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Undergraduate

Learn from a Leader in Online Education

Our program directors meet regularly with industry experts who help shape our curriculum to ensure that the courses you take are relevant to your interests and today's job market.

View All Programs (p. 52)

About APUS

Message from the President

Critical thinking, leadership, and professional-relevance in a global society define American Public University System's educational commitment to our students from all 50 states and around the world. Founded in 1991 by a retired Marine Corps officer who envisioned an innovative way to offer quality and affordable education to our U.S. armed forces - we've grown to serve a diverse population of more than 100,000 military, public service, and corporate professionals through American Military University and American Public University. Today, we are one of the leading providers of online education, frequently recognized by the prestigious Online Learning Consortium (OLC) for best practices in online education. Our program and service standards are designed for the working adult student. We consistently strive to keep our tuition and fees affordable so that a quality education is always within your reach.

How do we distinguish ourselves from other universities? Above all, we provide outstanding programs and student services designed with your career outcomes in mind. We consult with industry leaders to continually assess our curriculum based upon marketplace needs and enhance it in line with their recommendations. Many of our faculty members are practitioners who bring current best practices from their fields into the classroom. Among our faculty, you'll find executives in government, business, and nonprofit organizations including the Department of Defense, Homeland Security, State Department, CIA, Federal Emergency Management Agency, and the United Nations.

Our learners are motivated, working adults often balancing family, school, and career. As a student, you'll quickly discover a supportive and tightknit community of faculty, staff, and fellow scholars who help drive an enriching and engaging classroom experience.

I invite you to learn more by talking with us or exploring our website. Find out how American Public University System is helping others achieve their goals - and how we can help you grow, stand out, and succeed.

Dr. Wallace Boston
President

Mission, Vision, and Core Values

Mission Statement

American Public University System's mission is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare them for service and leadership in a diverse, global society.

Vision

American Public University System seeks to advance social, economic and environmental well-being through the transformative power of education with:

- Dynamic, engaging, quality learning experiences
- Best-in-class student interface
- Diverse and career relevant degree programs
- Communities of lifelong learners and practice in selected disciplines
- Evaluation of transfer credit and competency-based learning
- Affordability relative to public institutions
- Strategic partnerships with key stakeholders; and,
- Thought leadership that contributes to effective change in higher education

Core Values

The University System is guided in fulfilling its mission by these shared principles and core values:

- **Learning:** The University System fosters an environment that promotes a life of learning for its constituents and uses feedback from its participants and supporters to improve the quality of its teaching, learning, and support.
- **Quality:** The University System holds a strong commitment to high standards in all aspects of its educational activities, learning outcomes, and support services. It seeks to continuously strengthen the overall effectiveness of its operations.
- **Integrity:** The University System conducts its operations and makes its public representations in an ethical manner. It assesses its operations in an open and collaborative manner and practices fairness, honesty, and objectivity in dealing with its constituencies.
- **Accountability:** The University System is accountable to its constituencies and the public for fulfilling its mission in an appropriate manner by openly assessing its operations and by inviting external evaluations by public agencies.
- **Access to Underserved:** The University System seeks to broaden access to its higher education programs by underserved communities who wish to engage the organization in their learning goals.
- **Adaptive and Responsive:** The University System anticipates and adapts to its changing environment and responds to the needs of the organization and its constituencies in manners both appropriate and timely.
- **Innovation:** The University System seeks imaginative and effective solutions to its challenges and innovative ways to fulfill its mission.
- **Collaboration:** The University System seeks and nurtures partnerships with its constituents and the communities it serves in creating effective learning environments for its learners.

- **Freedom of Inquiry and Expression:** The University System supports the rights of its constituents to freely inquire and express their opinions. It engages and encourages an open exchange of ideas and seeks input from all who wish to participate in its learning programs.
- **Diversity:** The University System embraces and promotes diversity in its policies and practices to prepare its learners to live and work successfully in an increasingly diverse society. It strives to create diverse learning environments by welcoming teachers, learners, and staff that bring diverse ideas, values, backgrounds, and beliefs to the learning and work environment.

History

The American Public University System (APUS) traces its history to June 11, 1991 with the establishment of American Military University (AMU) in the Commonwealth of Virginia. AMU was founded by retired Marine Corps Major James P. Etter as a graduate school of military studies for the purpose of providing military officers an opportunity to earn an advanced degree in a discipline associated with their profession of arms.

AMU offered all of its programs exclusively through distance learning. At that time, it was one of the first American degree-granting institutions operating exclusively at a distance. This method was adopted to accommodate the special needs of military students who moved often and served under uncertain conditions associated with training, exercises, and extended deployments. Distance learning allowed them the flexibility and accessibility to continue their studies under these demanding conditions with an institution that followed them through mail, e-mail, phone, and fax around the globe.

The University began operations and accepting students in January 1993 with 18 graduate students registering for 22 courses in Land, Naval, or Air Warfare. AMU's curriculum was gradually expanded to include related disciplines such as Unconventional Warfare, Civil War Studies, Intelligence, Defense Management, and National Security Studies.

In June 1995, AMU achieved initial accreditation with the Accrediting Commission of the Distance Education and Training Council (DETC). With this national accreditation, AMU students became eligible for Department of Defense Tuition Assistance Programs, the Veterans Administration Entitlement Programs, and federal and corporate tuition reimbursement benefits.

In January 1996, AMU introduced its undergraduate program with three initial areas of study: Military History, Military Management, and Intelligence Studies. These programs were intended to provide military personnel an opportunity to earn a relevant baccalaureate degree. Later, AMU began offering an Associate of Arts degree in General Studies to fulfill the needs of service members seeking a two-year degree. The University continued to expand its curriculum in response to the needs of its students and the military. Accordingly, programs such as Criminal Justice, Management, International Relations, Homeland Security, Security Management, Transportation and Logistics Management, Sports Management, Emergency and Disaster Management, and, later, a full range of liberal arts programs were introduced to meet the diverse interests and aspirations of the University's growing student body. With these new degree programs, AMU began attracting students from professions outside the military, primarily those in public service with law enforcement, fire and rescue, emergency planning, government, and defense contractors.

In 1998, AMU began transitioning its programs and services from a correspondence format to online to leverage the accessibility of online electronic classrooms, administrative services, and learning support facilities. At this time, AMU also outsourced its bookstore and textbook fulfillment services to an industry leader and began developing its proprietary student information system, Partnership At a Distance, or PAD. This system enabled students to apply for admission, complete an online orientation, register for courses, check degree progress, and apply for graduation from the convenience of their home or office with constant access to these online services.

In 2002, AMU expanded into the American Public University System and established American Public University to serve the educational needs of the public service community. Adopting the slogan of "Educating Those Who Serve", the APUS Mission expanded "to serve the nation's military and public service community with superior, relevant, and affordable distance learning programs which prepare them for leadership and service in a diverse, global society." With this organizational and mission expansion, the University System continued to expand and refine its curriculum to meet the special educational needs of its diverse student body.

In 2007, the APUS Mission evolved into "to educate the nation's military and public service communities by providing respected, relevant, affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society" to more accurately define the institution's charge.

APUS was established in West Virginia, located within the region accredited by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools (NCA). Accordingly, APUS underwent the process of accreditation achieving this status in May 2006. The NCA's Higher Learning Commission is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

Today, APUS and its member institutions, American Military University and American Public University, serve more than 70,000 military and public service professionals with relevant distance learning programs. APUS serves students in all U.S. states and territories and in more than 100 foreign

countries. APUS is appropriately a wholly-owned subsidiary of a publicly-owned company, American Public Education, Incorporated (APEI) which issued an initial public offering of its stock in November 2007 and is now trading on the NASDAQ as APEI.

Accreditation and Licensure

Accreditation

What is it? Accreditation within higher education is a voluntary, nongovernmental process that gives public recognition to institutions that meet established quality standards. The purpose of accreditation is to assure the public as to the quality of an institution and its commitment to high standards through a system of continuous improvement. The U.S. Department of Education (USDE (http://www.ed.gov)) formally recognizes accrediting commissions that meet all federal standards and the Council for Higher Education Accreditation (CHEA (http://www.chea.org)) extends recognition to accrediting bodies and their institutions that meet these established standards. American Public University System (APUS) has obtained accreditation as well as specialized/programmatic accreditation.

Credits and degrees earned through APUS may be recognized for promotion, assignment, and position qualification standards within the military, federal government, and private sector. For students transferring to other colleges, APUS credit is considered transfer eligible based on its accreditation. However, APUS cannot guarantee that its credit will be accepted, as acceptance of credit is always the prerogative of the receiving institution.

If you have questions or need further information on accreditation, please contact the Office of Institutional Accreditation at accreditation@apus.edu, Telephone: 304-724-3778, Fax: 304-724-3779.

Regional Accreditation

American Public University System (APUS) is accredited by the Higher Learning Commission (HLC). APUS is comprised of American Military University (AMU) and American Public University (APU). The Higher Learning Commission is an accrediting body recognized by the USDE and CHEA. Accreditation requires a significant amount of self-study and presentation of evidence to satisfy the demanding requirements of accrediting organizations. Obtaining accreditation demonstrates that APUS is focused on academic excellence and providing the best possible educational experience for its students.

Further information on recognition policies and standards may be found on the following web sites:

- U.S. Department of Education (http://www.ed.gov)
  400 Maryland Avenue, SW
  Washington, DC 20202
  (800) USA-LEARN (800-872-5327)

- Council for Higher Education Accreditation (CHEA) (http://www.chea.org)
  One Dupont Circle, NW, Suite 510
  Washington, DC 20036
  (202) 955-6126

- The Higher Learning Commission (HLC) (http://www.ncahigherlearningcommission.org)
  230 South LaSalle Street, Suite 7-500
  Chicago, IL 60604
  (312) 263-0456

As an accredited institution, APUS is eligible to participate in federal educational entitlement programs such as military tuition assistance, government tuition reimbursement programs, the Department of Veterans Affairs GI Bill, and many corporate education assistance programs. In addition, APUS has been granted approval by the Department of Education to participate in Title IV Federal Student Aid Programs.

Licensure

The American Public University System is authorized to operate as an institution of higher education by the West Virginia Higher Education Policy Commission (HEPC). APUS is also permitted to operate as an out-of-state institution in the Commonwealth of Virginia by the State Council of Higher Education for Virginia (SCHEV). These are the states in which the University System maintains a physical presence and conducts its academic and service operations. Additionally, the American Public University System is engaged in a continuous process to certify that it is recognized as an accredited institution of higher learning by all 50 states and the District of Columbia. In this regard, the University is committed to ensuring that its academic programs, business practices, and operational activities remain in compliance with applicable regulations specific to each jurisdiction. We also work through the State Authorization Reciprocity Agreement (SARA) process to ensure that when authorization or licensure is necessary, the required approvals are secured. West Virginia is a member of SARA and APUS is an approved SARA institution. Participation in SARA is intended to make it easier for students to take online courses offered by postsecondary institutions based in another state; however SARA has no effect on state professional licensing requirements. For more information about SARA, please visit http://www.nc-sara.org/.

Alabama: As an approved SARA institution, APUS is in compliance with Alabama regulations to offer programs to residents of the state.

Alaska: As an approved SARA institution, APUS is in compliance with Alaska regulations to offer programs to residents of the state.

Arizona: As an approved SARA institution, APUS is in compliance with Arizona regulations to offer programs to residents of the state.

Arkansas: As an approved SARA institution, APUS is in compliance with Arkansas regulations to offer programs to residents of the state.

California: Effective July 1, 2017, an out-of-state private postsecondary educational institution must register with the California Bureau for Private Postsecondary Education (BPPE) to enroll California students. APUS has registered and received approval as an out-of-state institution.

Colorado: As an approved SARA institution, APUS is in compliance with Colorado regulations to offer programs to residents of the state.

Connecticut: As an approved SARA institution, APUS is in compliance with Connecticut regulations to offer programs to residents of the state.

Delaware: As an approved SARA institution, APUS is in compliance with Delaware regulations to offer programs to residents of the state

Florida: As an approved SARA institution, APUS is in compliance with Florida regulations to offer programs to residents of the state

Georgia: As an approved SARA institution, APUS is in compliance with Georgia regulations to offer programs to residents of the state.

Hawaii: As an approved SARA institution, APUS is in compliance with Hawaii regulations to offer programs to residents of the state.

Idaho: As an approved SARA institution, APUS is in compliance with Idaho regulations to offer programs to residents of the state.

Illinois: As an approved SARA institution, APUS is in compliance with Illinois regulations to offer programs to residents of the state.

Indiana: As an approved SARA institution, APUS is in compliance with Indiana regulations to offer programs to residents of the state.

Iowa: As an approved SARA institution, APUS is in compliance with Iowa regulations to offer programs to residents of the state. *Note to students: A student seeking an Iowa educator license is advised that successful completion of this institution's program(s) of educator preparation does not qualify you for initial educator licensure by the Iowa Bard of Educational Examiners.* A candidate seeking licensure in the State of Iowa must first be licensed/certified as an educator in the state in which preparation was completed. This institution shall assist a candidate in contacting the appropriate licensing board in the state in which the candidate's preparation was completed. This institution shall assist the candidate in understanding the requirements of the appropriate licensing board prior to the candidate's completion of this institution's program(s) of educator preparation. A candidate seeking subsequent licensure from the Iowa Board of Educational Examiners must contact that Board (515-281-5849; http://www.boee.iowa.gov for licensure requirements in Iowa).

Kansas: As an approved SARA institution, APUS is in compliance with Kansas regulations to offer programs to residents of the state.

Kentucky: As an approved SARA institution, APUS is in compliance with Kentucky regulations to offer programs to residents of the state.

Louisiana: As an approved SARA institution, APUS is in compliance with Louisiana regulations to offer programs to residents of the state.

Maine: As an approved SARA institution, APUS is in compliance with Maine regulations to offer programs to residents of the state.

Maryland: As an approved SARA institution, APUS is in compliance with Maryland regulations to offer programs to residents of the state.

Massachusetts: As an approved SARA institution, APUS is in compliance with Massachusetts regulations to offer programs to residents of the state.

Michigan: As an approved SARA institution, APUS is in compliance with Michigan regulations to offer programs to residents of the state.

Minnesota: As an approved SARA institution, APUS is in compliance with Minnesota regulations to offer programs to residents of the state.

Mississippi: As an approved SARA institution, APUS is in compliance with Mississippi regulations to offer programs to residents of the state.

Missouri: As an approved SARA institution, APUS is in compliance with Missouri regulations to offer programs to residents of the state.

Montana: As an approved SARA institution, APUS is in compliance with Montana regulations to offer programs to residents of the state.

Nebraska: As an approved SARA institution, APUS is in compliance with Nebraska regulations to offer programs to residents of the state.

Nevada: As an approved SARA institution, APUS is in compliance with Nevada regulations to offer programs to residents of the state.

New Hampshire: As an approved SARA institution, APUS is in compliance with New Hampshire regulations to offer programs to residents of the state.

New Jersey: As an approved SARA institution, APUS is in compliance with New Jersey regulations to offer programs to residents of the state.

New Mexico: As an approved SARA institution, APUS is in compliance with New Mexico regulations to offer programs to residents of the state.

New York: As an approved SARA institution, APUS is in compliance with New York regulations to offer programs to residents of the state.

North Carolina: As an approved SARA institution, APUS is in compliance with North Carolina regulations to offer programs to residents of the state.

North Dakota: As an approved SARA institution, APUS is in compliance with North Dakota regulations to offer programs to residents of the state.

Ohio: As an approved SARA institution, APUS is in compliance with Ohio regulations to offer programs to residents of the state.

Oklahoma: As an approved SARA institution, APUS is in compliance with Oklahoma regulations to offer programs to residents of the state.

Oregon: As an approved SARA institution, APUS is in compliance with Oregon regulations to offer programs to residents of the state.

Pennsylvania: As an approved SARA institution, APUS is in compliance with Pennsylvania regulations to offer programs to residents of the state.

Rhode Island: As an approved SARA institution, APUS is in compliance with Rhode Island regulations to offer programs to residents of the state.

South Carolina: As an approved SARA institution, APUS is in compliance with South Carolina regulations to offer programs to residents of the state.

South Dakota: As an approved SARA institution, APUS is in compliance with South Dakota regulations to offer programs to residents of the state.

Tennessee: As an approved SARA institution, APUS is in compliance with Tennessee's regulations to offer programs to residents of the state. Tennessee residents: The R.N. to B.S. in Nursing and the Master of Science in Nursing programs are not currently open for admission to Tennessee residents.

Texas: As an approved SARA institution, APUS is in compliance with Texas regulations to offer programs to residents of the state.

Utah: As an approved SARA institution, APUS is in compliance with Utah regulations to offer programs to residents of the state.

Vermont: As an approved SARA institution, APUS is in compliance with Vermont regulations to offer programs to residents of the state.

Virginia: The State Council of Higher Education for Virginia (SCHEV) has certified the school to operate in Virginia. Note to Virginia students: Students have the right to file a grievance with the State Council of Higher Education for Virginia (SCHEV). A representative from SCHEV can be reached at the following: 101 N. 14th Street, James Monroe Building, Richmond, VA 23219; telephone (804) 225-2600. Students will not be subjected to adverse actions by any school officials as a result of initiating a complaint.

State regulations require that all students who reside in Virginia complete a minimum of 30% of their course work at the University in order to be granted a degree from the University. Any questions about this requirement should be directed to studentservices@apus.edu.

Washington: As an approved SARA institution, APUS is in compliance with Washington regulations to offer programs to residents of the state. Washington State residents: The R.N. to B.S. in Nursing and the Master of Science in Nursing programs are not currently open for admission to Washington State residents.

West Virginia: The University has received Category II status from the West Virginia Higher Education Policy Commission, which represents the final step in achieving full authorization to operate in the state.

Student Complaints: The West Virginia Higher Education Policy Commission encourages students to seek first informal resolution of any concern or issue. If the issue cannot be resolved informally, the student should follow the institution's formal complaint or grievance procedure. If, after exhausting the institution's internal grievance procedures, the institution has not responded to the student's satisfaction or a satisfactory remedy has not been found, the student may contact the Commission for further investigation into the issue. Upon receipt of a complaint, the Commission may conduct an investigation or refer the issue to another agency that is authorized to address the issue. The Commission may contact institution officials to discuss a possible resolution. Instructions for filing a complaint with the West Virginia Higher Education Policy Commission can be found at http://www.wvhepc.com/wp-content/uploads/2014/06/Student-Complaint-Process-revised-3.pdf.

Wisconsin: As an approved SARA institution, APUS is in compliance with Wisconsin regulations to offer programs to the residents of the state.

Wyoming: As an approved SARA institution, APUS is in compliance with Wyoming regulations to offer programs to residents of the state.

The District of Columbia: As an approved SARA institution, APUS is in compliance with The District of Columbia regulations to offer programs to residents of the District.

Leadership

- Leadership (http://www.apus.edu/about-us/leadership)
- Board of Trustees (http://www.apus.edu/about-us/leadership/trustees.htm)

Financial Disclosure

The American Public University System provides summarized audited financial information to individuals who wish to determine the financial status of the University System and its institutions. The University System's fiscal year runs from January 1 - December 31 each year. Individuals who wish to review published financial information can do so by visiting the American Public Education, Inc. website at http://www.americanpubliceducation.com/.

Disability Accommodations

This institution complies with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act, and state and local requirements regarding students with disabilities. In compliance with federal and state regulations, accommodations are provided to qualified students with disabilities.

A request for accommodation will be considered if the request:

- is based on documentation that meets APUS' published guidelines;
- does not compromise essential requirements of a course or program; and
- does not impose a financial or administrative burden upon APUS beyond that which is deemed reasonable.

A qualified student can, with or without accommodations, perform the essential functions of program or course requirements. The essential requirements of an academic course or program need not be modified to accommodate an individual with a disability.

Final responsibility for selection of the most appropriate accommodation rests with the Disability Services Accommodations Office (DSA) and is determined on an individual case-by-case basis, based on the nature of the student's disability. Students are encouraged to e-mail DSA@apus.edu to discuss potential academic accommodations and begin the review process.

It is the student's responsibility to follow the DSA process as published in the Student Handbook (http://www.apus.edu/student-handbook/Disability-Accommodations).

Employment Disclosure

American Public University System (APUS) offers academic programs leading to degrees and certificates in a number of fields for which professional practice requires licensure or certification by state, local, or professional boards. In addition, employers consider a range of factors when determining whether a candidate is eligible for a job, including, among other things, work experience, results of criminal background checks and military discharge information.

APUS makes no representation or guarantee that successful completion of a degree or certificate program at APUS will enable a student to obtain professional licensure or certification or particular employment.

Students and former students are solely responsible for determining and complying with state, local, or professional licensure and certification requirements and with other employment requirements. Prior to enrolling in any program, you are strongly encouraged to research carefully all licensure, certification and employment requirements related to their desired fields of study.

To assist our students and alumni in their career search and in pursuing their career goals, the APUS Office of Career Services provides a variety of tools, resources, guidance, and information. For more information on career services, visit AMU Career Services (http://www.amu.apus.edu/career-services/home/index.htm?_ga=2.125263946.1928558423.1503319275-1775644059.1454592820) or APU Career Services (http://www.apu.apus.edu/career-services/home/index.htm?_ga=2.121482056.1928558423.1503319275-1775644059.1454592820).

Recent AMU or APU graduates should be aware that it is APUS policy not to hire alumni until they have demonstrated significant classroom experience outside of our own university system. A period of two to five years of outside experience is required. This policy ensures that the body of faculty at APUS maintains a variety of perspectives and brings fresh ideas to our organization.

Policies

- *Alcohol and Drug Policy*
- *Harassment, Discrimination, and Retaliation Policy*
- *University General Grievance Procedure* (p. 31)
- *Technology Requirements* (p. 30)
- *Grading Policies* (p. 24)
- *Repeat Coursework* (p. 26)
- *Residential Credit Policy*
- *Credit Hour Definition*
- *Student Rights and Responsibilities* (p. 29)

Alcohol and Drug Policy

For information on American Public University System's Alcohol and Drug Policy, please refer to our Student Handbook (http://www.apus.edu/student-handbook/university-policies-and-honor-code/apus-consumer-information/alcohol-and-drug-policy.html).

Credit Hour Definition

All undergraduate and graduate courses at the American Public University System adhere to the Federal Credit Hour Definition below (*34CFR 600.2 adopted 11/1/2010)*:

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than:

- *One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time;*
- *Or at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading toward to the award of credit hours.*

Grading Policies

The APUS grading system is provided in the following chart. Additional information regarding the posting of grades and the petitioning of grades is available in the Student Handbook.

Grade	Quality Points	Description
A	4.0	Very high quality, clearly above average work
A-	3.67	
B+	3.33	
B	3.0	Above average
B-	2.67	
C+	2.33	
C	2.0	
C-	1.67	Below Average
D+	1.33	Unsatisfactory
D	1.0	Unsatisfactory
D-	.67	Unsatisfactory
F	0.0	Failing
P	NONE	Pass
I	NONE	Incomplete
DP	NONE	Dropped
W	NONE	Withdrawn
WF	NONE	A Withdrawal that was allowed but instructor requested a failing notation
X	NONE	Audit grade: No Academic Credit awarded
R	NONE	Previously failed course that was retaken
S	NONE	Satisfactory: No Academic Credit awarded
U	NONE	Unsatisfactory: No Academic Credit awarded
PLA	NONE	Credit awards for prior learning

Harassment, Discrimination, and Retaliation Policy

For information on American Public University System's Title IX Compliance Policy and grievance procedures, please refer to our Student Handbook (http://www.apus.edu/student-handbook/university-policies-and-honor-code/apus-consumer-information/harassment-discrimination-and-retaliation-policy.html).

Repeat Coursework

You can only retake a course if you received a failing grade "F" and if the exact same course is still offered at APUS.

You are not able to retake a course in which you received an A-D grade in order to raise your GPA or if APUS no longer offers that same course.

Retaking a Failed Course

APUS now allows you one opportunity to retake a failed course and have your original failed grade forgiven from your GPA. The original failing grade will show as "R" on your transcript, and the previous failing grade will be removed from your GPA as long as you complete the course retake. However, you will still see your original failing grade on your personal online academic plan and on your individual online grade reports.

Prior to August 2008

- If the course start date for your retaken course was **prior to August 1, 2008**, the retake does not impact the original failing grade. Both failing grades will be displayed on the transcript and both will be incorporated into the GPA.

August 2008 to April 2014

- If the course start for your retaken course was on or after August 1, 2008, the retake removes the impact of the original failing grade on your GPA.

On or After April 2014

- As of courses starting in April 2014, you will only be allowed one retake of each failed course. All failed attempts of the course prior to April 2014 will count as one failure, so as of April 2014, you will still have one attempt available to pass any previously failed course.

Important to Know

- The course retake policy only applies if the exact same course that you previously failed is still offered.
- This policy does not apply to comprehensive exam or capstone/thesis/practicum courses. Please see the Student Handbook for the retake policy on these course types.
- Original failing grades of retaken courses will still be used to calculate SAP (satisfactory academic progress) for financial aid and for the percentage of course credit attempted vs course credit earned for graduation eligibility.
- The retake policy does not apply to courses that you took in programs that you have already completed. For example, if you failed a course in your associate program, and have already had that degree conferred, you cannot have the original failing grade forgiven in your GPA by retaking it now in your bachelor's program.
- The Army (GAE) does not follow AMU's course retake policy when it is calculating your overall GAE GPA for TA eligibility. The Army's GPA is independent of a GPA with a soldier's home college. It is calculated by averaging the grades for each completed course in the soldier's Army education records.
- **Undergraduate Only**: If you previously took a split science lecture/lab course combination, and failed one of the component courses, you will not be able to retake this science combination. You will need to take a different science course selection to fulfill your general education science requirement. If the specific course you failed is a required course in your program, please contact your academic advisor to help you with this process.

Undergraduate Non-Degree Seeking Students (Courses for Transfer)

If you are enrolled as a non-degree-seeking student and receive a grade of C- or below on a course that you intend to transfer to another institution, you may retake the course to meet the other institution's transfer policies. The duplicative credit for this course, however, cannot be applied toward a future APUS degree or certificate program.

Questions regarding retaking courses may be directed to counseling@apus.edu.

Residential Credit Policy

All courses completed at APUS, either through a conferred degree or expired program, will be considered Residential Credit for the student's current program as well as future program where the courses are applicable. Residential Credit will not be counted towards transfer credit maximums and will not carry previously earned course grades, thus not impacting the grade point average in the subsequent program. The Initial Enrollment Date and Program Deadline for subsequent programs will be reset based on the first course completed in the new program.

Students wishing to earn an Associate's degree where all completed courses overlap with the requested Bachelors' requirements may not enroll in the requested program unless they enroll in a program where credentials may be earned along the way. If a student requests a change to an Associate's program, where all courses from a conferred Bachelor's degree overlap with the Associates degree, then they may not be eligible. Additionally, students may not earn duplicative degrees (example – Bachelor of Arts in Criminal Justice to Bachelor of Science in Criminal Justice or vice versa or Masters in Business Administration-General concentration to Masters in Business Administration- Accounting concentration or vice versa).

Student Rights and Responsibilities

An academic community is based on personal integrity and respect for others. APUS follows the letter and spirit of applicable federal and state laws pertaining to the administration of an institution of higher education (e.g., laws governing student records, equal opportunity, etc.) and adheres to the guidelines published by appropriate professional groups with respect to admissions procedures, required credentials of faculty, and business ethics. Information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook (http://www.apus.edu/student-handbook/university-policies-and-honor-code/apus-consumer-information/index.html?_ga=1.232857310.1775644059.1454592820).

Student Engagement in Classes

Effective April 1, 2015 with semesters beginning in May, new students who fail their course(s) as a result of not submitting a substantial percentage of the required work will be dismissed from the university at the end of their first semester. This applies to students who fail and/or withdraw from all of their initial courses as a result of not submitting work. More Information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook (http://www.apus.edu/student-handbook/university-policies-and-honor-code/apus-consumer-information/index.html?_ga=1.236638913.1775644059.1454592820).

Technology Requirements

Studying online requires that you use a computer, an Internet connection and desktop productivity software to complete your degree. To access the full functionality of our campus and classrooms you are expected to meet or exceed the requirements below. Some programs and classes may require additional software.

Basic Requirements

- Internet access (high speed preferred)
- Email client and an email address
- Windows 7 or higher or Mac OS X 10.6 or higher
- Microphone and Speakers or Headset
- Webcam
- Monitor capable of 1024 x 768 resolution
- Inkjet or laser jet printer
- 2 GB of RAM
- CD-ROM
- 20 GB of free hard disk space

Software Requirements

As a general rule it is best practice to stay current or within one version of your Web Browser, Flash plug-in and Mobile OS.

- Current version of Internet Explorer, Firefox or Chrome
- Microsoft Office 2003 or higher/Open Office/Mac Office 08 or higher
- Current version of Adobe Flash Player
- Current version of Adobe Acrobat Reader
- Current version of the Java Plug-in
- A current anti-virus software regularly updated according to the software manufacturer

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- American Public University System has entered into an agreement with CDWG to provide students and faculty discounted software and hardware. Browse to http://cdwg.com/apus for products, pricing and ordering information.
- The new Microsoft Edge Browser is currently not supported. Full Edge browser support in the classroom is expected towards the end of 2016.
- Students using adaptive technology are recommended to use one of these screen readers for use with Sakai: JAWS version 10.0 or later; Window-Eyes version 7.0 or later.

University General Grievance Procedure

For information on American Public University System's Title IX Grievance and general university grievance procedures, please refer to our Student Handbook (http://www.apus.edu/student-handbook/university-policies-and-honor-code/apus-consumer-information/university-general-grievance-procedure.html).

Catalog Changes

This publication is not a contract between American Public University System and any party or parties, and should not be regarded as such. At the date of publication, reasonable effort was made to ensure that this publication and its provisions were factually accurate. However, this publication is not a complete statement of all policies, procedures, and program information.

APUS reserves the right to make changes and additions to the information in this publication without notice. In cases where significant modification or discontinuation of a program occurs, students can expect to be contacted by a University System university staff member to discuss and resolve the matter with the students' interests in mind. Addenda can be found here.

Academic Schools

The program you choose and the courses you take must be relevant to your career interests and today's marketplace. That's why our academic leaders meet regularly with hundreds of industry experts to help shape our curriculum. Most of our faculty members are scholar-practitioners, serving in leadership roles in their respective disciplines. You'll find them speaking at highly respected industry conferences, sharing expert insights on our blogs, conducting research that's specific to their disciplines, and working with respected academic and corporate partners to share knowledge and achieve innovative advancements in their fields. As a student, you get to regularly engage in online forums and communities with these influential experts as well as with other students who share your interests. Offering quality online education programs is priority one at American Military University and American Public University.

School of Arts & Humanities

The School of Arts & Humanities is the university's foundation, providing the traditional nuts and bolts programs that can help you acquire the abilities that employers value, such as critical thinking, analysis, innovative thinking, teamwork, flexibility, and problem solving. A solid basis in liberal arts delivers a strong foundation to pursue post-graduate programs in a multitude of areas, including science and technology.

School Leadership

Dean

Dr. Grace Glass

Program Directors

Art, Communication, World Languages, Humanities, Music, Philosophy, Religion - Dr. Bjorn Mercer

English and Literature - Dr. Teresa (Teddi) Fishman

History – Dr. Richard Hines

Political Science – Dr. Thomas Kelly

Psychology - TBA

Sociology – Dr. Jennifer Cramer

Faculty Directors

Dr. Bethanie Hansen

Dr. Tonia Parker

Dr. Jeffrey Stone

Associates

- *Communication* (p. 69)
- *General Studies* (p. 85)
- *History* (p. 88)
- *Military History* (p. 96)

Bachelors

- *English* (p. 182)
- *General Studies* (p. 195)
- *History* (p. 206)
- *Military History* (p. 271)
- *Philosophy* (p. 277)
- *Political Science* (p. 282)

- *Psychology* (p. 288)
- *Religion* (p. 292)
- *Sociology* (p. 317)

Certificates

- None

Learning Tracks

- *College Readiness* (p. 466)

Minors

- *American Military History* (p. 479)
- *English* (p. 491)
- *History* (p. 493)
- *Military History* (p. 500)
- *Philosophy* (p. 501)
- *Psychology* (p. 502)
- *Religion* (p. 503)
- *Sociology* (p. 505)

School of Business

Our mission is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology and best practices focused on the practical application of knowledge. We have developed a well-rounded, ACBSP-accredited curriculum that examines theoretical aspects of business and economics in a global context. Our programs are taught by real-world practitioners and scholars who provide an enhanced and engaging learning journey, and our number-one priority is your success.

School Leadership

Dean

Dr. Chad Patrizi

Program Directors

Analytics – Dr. Ahmed Kamel

Business Administration – Dr. Kathleen Irwin

Entrepreneurship – Dr. Cassandra Shaw

Finance and Accounting – Dr. Juan Roman

Government Contracting and Acquisitions & Reverse Logistics Management – Dr. Robert Gordon

Hospitality Management - Dr. Sheri Hernandez

Management – Dr. Marie Harper

Marketing, Economics and Technical Managment – Dr. Thomas Schaefer

Retail Management and Real Estate - Dr. Kevin Forehand

Transportation and Logistics Management – Dr. Larry Parker Jr.

Faculty Directors

Dr. Doris Blanton

Dr. Jill Fuson

Dr. Gary Deel

Associates

- *Accounting* (p. 115)
- *Business Administration* (p. 65)
- *Hospitality* (p. 92)
- *Management* (p. 60)
- *Real Estate Studies* (p. 100)
- *Retail Management* (p. 104)

- *Supply Chain Management*
- *Technical Management* (p. 57)

Bachelors

- *Accounting* (p. 344)
- *Business Administration* (p. 335)
- *Business Analytics* (p. 349)
- *Entrepreneurship* (p. 187)
- *Government Contracting and Acquisition* (p. 202)
- *Hospitality Management* (p. 220)
- *Management* (p. 253)
- *Marketing* (p. 261)
- *Retail Management* (p. 296)
- *Retail Management - Momentum*
- *Reverse Logistics Management* (p. 305)
- *Supply Chain Management*
- *Technical Management* (p. 155)
- *Transportation and Logistics Management* (p. 329)

Certificates

- *CPA Examination Preparation* (p. 514)
- *Employee Relations and Engagement*
- *Human Resource Management* (p. 532)
- *Meeting and Event Planning* (p. 542)
- *Real Estate Management* (p. 549)
- *Restaurant Operations* (p. 551)
- *Retail Management* (p. 552)
- *Strategic Leadership* (p. 555)
- *Technical Management* (p. 557)

Learning Tracks

- *Business Basics* (p. 465)
- *Economics* (p. 468)
- *Managerial Analytics* (p. 471)
- *Professional Development for Executives/Directors* (p. 473)
- *Professional Development for Managers* (p. 474)
- *Professional Development for Senior Managers* (p. 475)

Minors

- *Business Administration* (p. 489)
- *Management* (p. 498)
- *Marketing* (p. 499)

School of Education

Programs in the School of Education are designed to meet the most rapidly growing demands of the profession. We provide opportunities for practicing teachers to enhance their professional training in critical needs areas such as special education, reading and literacy, TESOL, gifted education, and online learning. Additionally, we offer undergraduate programs in pre-K child development, and family and adolescence studies. Additional courses in instructional design for adult learners round out our offerings. We are committed to providing measurable, empirical, standards-based education of a high quality. Our goal is for our graduates to demonstrate the skills, behaviors, and dispositions of digital-age professionals, while adhering to proven instructional strategies and best practices.

School Leadership

Dean

Dr. Conrad Lotze

Program Directors

Educational Leadership – - Dr. Jan Spencer (Interim)

Human Development and Family Studies – Kathleen Mangeri

School Counseling – Dr. Kimberlee Ratliff

Teaching – Dr. Kathleen Tate

Faculty Directors

Dr. Jan Spencer

Associates

- *Early Childhood Care and Education* (p. 81)

Bachelors

- *Human Development and Family Studies* (p. 227)

Certificates

- *Child Life*
- *Family Studies* (p. 526)
- *Infant and Toddler Care* (p. 533)
- *Instructional Design and Delivery* (p. 536)

Learning Tracks

- None

Minors

- *Child Development* (p. 490)
- *Family Development* (p. 492)

School of Health Sciences

The School of Health Sciences is dedicated to preparing our students for industries relative to careers in healthcare, nursing, exercise and fitness, and overall public health. Our engaging, interactive learning environment blends theory, research, and practical application to give our students a competitive advantage when they enter the workplace. Because our faculty are practitioners and experts in their subjects, they can tap in to the real-world resources students need to stay current and relevant in a rapidly changing industry.

School Leadership

Dean

Dr. Brian Freeland

Program Directors

Health Information Management - Natasha Cauley

Nursing - Stacey Kram

Public Health - Dr. Samer Koutoubi

Sports and Health Sciences - Dr. Karyn Gallivan

Sports Management - Dr. James Reese

Faculty Directors

Dr. Craig Bogar

Associates

- *Health Sciences* (p. 54)
- *Public Health* (p. 139)

Bachelors

- *Healthcare Administration*
- *Health Information Management* (p. 388)
- *Health Sciences*
- *Nursing* (p. 436)
- *Public Health* (p. 441)
- *Sports and Health Sciences* (p. 453)
- *Sports Management* (p. 460)

Certificates

- None

Learning Tracks

- None

Minors

- None

School of Science, Technology, Engineering & Math

Space programs, environmental programs, electrical engineering, cybersecurity, natural science, mathematics, information technology — the School of Science, Technology, Engineering & Math (STEM) provides learning in a wide variety of disciplines. Our faculty consists of expert practitioners from the field, so our students don't just get armchair treatment. In every STEM program, we prepare students for careers applicable to that program. You will receive practical, usable foundational materials that will help you build the groundwork to establish yourself in the workforce.

School Leadership

Dean

Dr. Ahmed Naumaan

Associate Dean

Dr. Daniel Welsch

Program Directors

Cybersecurity - Dr. Kevin Harris

Electrical Engineering – Dr. Colin Doyle

Environmental Science – Dr. Kelly Reiss

Information Technology - Dr. Novadean Watson-Stone

Information Technology Management, Information Systems Security - Dr. Kevin Harris

Mathematics - TBA

Natural Sciences - David Brashinger

Space Studies – Dr. Edward Albin

Faculty Directors

Dr. Daniela Messina

Dr. Elizabeth Pearsall

Dr. Jackie Galvan

Associates

- *Computer Applications* (p. 120)
- *Database Application Development* (p. 123)
- *Space Studies*
- *Web Publishing* (p. 146)

Bachelors

- *Cybersecurity* (p. 361)
- *Electrical Engineering* (p. 366)
- *Environmental Science* (p. 372)
- *Information Systems Security* (p. 396)
- *Information Systems Security - Momentum*
- *Information Technology* (p. 405)
- *Information Technology - Momentum*
- *Information Technology Management* (p. 416)
- *Mathematics* (p. 424)
- *Natural Sciences* (p. 430)
- *Space Studies* (p. 448)

Certificates

- *Cloud Computing* (p. 510)
- *Computer Systems and Networks* (p. 511)
- *Cybercrime* (p. 516)
- *Cybersecurity* (p. 517)
- *Digital Forensics* (p. 518)
- *E-Commerce* (p. 519)
- *Enterprise Web Applications* (p. 522)
- *Enterprise Web Applications using .NET* (p. 523)
- *Environmental Technology* (p. 524)
- *Fish and Wildlife Management* (p. 528)
- *Information Security* (p. 534)
- *Information Systems Security* (p. 535)
- *Internet Webmaster* (p. 538)
- *IT Infrastructure Security* (p. 539)
- *IT Project Management* (p. 540)
- *Microsoft Access Database Applications* (p. 543)
- *Microsoft Office Applications* (p. 544)
- *Mobile Computing* (p. 545)
- *Oracle Database* (p. 546)
- *Public Lands Management* (p. 548)
- *Regional and Community Planning* (p. 550)
- *Space Studies* (p. 554)
- *Sustainability* (p. 556)
- *Visual Basic Application Development* (p. 560)
- *Visual Communications* (p. 561)
- *Web 2.0* (p. 563)
- *Web Publishing* (p. 564)

Learning Tracks

- *Information Security* (p. 469)
- *Information Technology (IT) Project Management* (p. 470)
- *Microsoft Access Database* (p. 472)
- *Visual Design* (p. 476)
- *Web Development* (p. 477)

Minors

- *Space Studies*
- *Sustainability Studies* (p. 506)

School of Security & Global Studies

The programs taught in the School of Security & Global Studies truly embody our motto, "Educating Those Who Serve." Students in this school have an understanding of the world that appreciates the differences in political, economic, and social cultures. Our faculty members are highly credentialed and respected leaders in their fields, and many of them currently work in the U.S. government. Likewise, our graduates are employed in leadership positions at agencies ranging from the Departments of State, Defense, and Homeland Security to the intelligence services, as well as private businesses throughout the world. We are committed to helping students think in ways they haven't thought before, and to apply educational theories to real-world challenges.

School Leadership

Dean

Dr. Mark Riccardi

Program Directors

Criminal Justice – Dr. Charles Russo

Emergency and Disaster Management – Dr. Terri Wilkin

Homeland Security, National Security Studies, Security Management and Military Studies – Dr. Kelli Frakes

Intelligence Studies – Dr. Nicole Drumhiller

International Relations – Dr. Katherine Brannum

Public Administration, Public Policy and Legal Studies – Dr. Christi Bartman

Faculty Directors

David Rand

Dr. Michelle Watts

Dr. John Dolan

Associates

- *Counter Terrorism Studies* (p. 73)
- *Criminal Justice* (p. 77)
- *Explosive Ordnance Disposal* (p. 127)
- *Fire Science* (p. 131)
- *Paralegal Studies* (p. 135)
- *Weapons of Mass Destruction Preparedness* (p. 111)

Bachelors

- *Criminal Justice (BA)* (p. 161)
- *Criminal Justice (BA) - Momentum*

- *Criminal Justice (BS)* (p. 356)
- *Emergency and Disaster Management* (p. 173)
- *Emergency and Disaster Management - Momentum*
- *Fire Science Management* (p. 379)
- *Fire Science Management - Momentum*
- *Homeland Security* (p. 215)
- *Intelligence Studies* (p. 232)
- *International Relations* (p. 244)
- *Legal Studies* (p. 420)
- *Middle Eastern Studies* (p. 267)
- *Security Management* (p. 311)

Certificates

- *Corrections Management* (p. 512)
- *Counterintelligence* (p. 513)
- *Emergency Management* (p. 520)
- *Explosive Ordnance Disposal* (p. 525)
- *Fire Science* (p. 527)
- *Forensics* (p. 529)

- *Foundations of Homeland Security* (p. 530)
- *Homeland Security* (p. 531)
- *Intelligence Analysis* (p. 537)
- *Law Enforcement Leadership* (p. 541)
- *Paralegal Studies* (p. 547)
- *Security Management* (p. 553)
- *Terrorism Studies* (p. 558)
- *United Nations* (p. 559)
- *Weapons of Mass Destruction Preparedness* (p. 562)

Learning Tracks

- *Airport Transportation Security* (p. 464)
- *Criminal Justice* (p. 467)

Minors

- *Area Studies-Africa* (p. 480)
- *Area Studies-Asia* (p. 481)
- *Area Studies-Europe* (p. 483)
- *Area Studies-Latin America* (p. 485)
- *Area Studies-Middle East* (p. 487)
- *Intelligence Studies* (p. 495)

- *International Relations* (p. 496)
- *Security Management* (p. 504)

Faculty

A most distinguished and diversified faculty of over 2,200 scholars, educators, and authors combine relevant theory with real- world experience. Their academic credentials include such institutions as the University of Chicago, University of Southern California, University of Notre Dame, Stanford University, Cambridge University, and Harvard University. Many are executives in government, business, and non-profit organizations, including the United Nations, the State Department, the Department of Defense, the Department of Homeland Security, the Central Intelligence Agency, the National Security Agency, and the Federal Emergency Management Agency.

Provost

- Vernon C. Smith, Ph.D., Organization and Administration of Higher Education, The University of Arizona

Deans, Assistant Deans, and Associate Deans

- **Dean, School of Arts and Humanities** - Grace Glass, Ph.D., English Literature, University of Michigan
- **Dean, School of Business** - L. A. Chad Patrizi, Ph.D., E-Learning Leadership, Touro University International
- **Dean, School of Health Sciences** - Brian Freeland, Ed.D., Sports Management and Leadership, Northcentral University
- **Dean, School of Science, Technology, Engineering, and Math –** Ahmed Naumaan, Ph.D., Electrical Engineering, University of Cincinnati
- **Associate Dean, School of Science, Technology, Engineering, and Math** - Daniel Welsch, Ph.D., Environmental Sciences, University of Virginia
- **Dean, School of Security and Global Studies** - Mark T. Riccardi, Ph.D., Education and Human Resource Studies, Colorado State University
- **Dean, School of Education and Academic Services** - Conrad Lotze, Ph.D., Mathematics Education, American University
- **Dean, Graduate Studies and Research** - Jennifer Douglas, Ph.D., English, University of Rochester
- **Dean, Academic Outreach and Program Development** - Chris Reynolds, Ed.D., Educational Leadership, Argosy University
- **Dean, Faculty and Student Success and the Extension School** - Grady Batchelor, D.Mgt., Management, Colorado Technical University
- **Dean, Academic Partnerships & Health Outreach –** Barbara Netzer, MSN, Nursing, University of Phoenix, Phoenix; MS, Education, Johns Hopkins University
- **Associate Dean, Faculty and Student Success** - Kimberly Jacobs, Ph.D., Postsecondary and Adult Education, Capella University
- **Associate Dean, Alternative Learning** - Cali Morrison, Ed.D.- Education - Adult and Higher Education, Montana State University
- **Associate Dean, Curriculum and Assessment** - Christina Dryden, Ph.D., Oceanography, Old Dominion University

Program Directors

- **Analytics** - Ahmed Kamel, Ph.D., Textile Engineering, Integrated Textile and Apparel Sciences (ITAS), Auburn University
- **Art, Communication, World Languages, Humanities, Music, Philosophy, Religion** - Bjorn Mercer, D.M.A., Music, The University of Arizona
- **Business Administration** - Kathleen Irwin, Ph.D., Organization and Management, Capella University
- **Criminal Justice** - Charles Russo, Ph.D., Public Affairs, University of Central Florida
- **Cybersecurity** - Kevin Harris, D.B.A., Information Systems, Argosy University
- **Educational Leadership** (interim) - Jan Spencer, Ph.D., Organizational Leadership, Regent University
- **Electrical Engineering** - Colin Doyle, Ph.D., Electrical Engineering, Southern Methodist University
- **Emergency and Disaster Management** - Terri Wilkin, J.D., University of Maryland-Baltimore
- **English and Literature** - Teresa (Teddi) Fishman, Ph.D., Rhetoric and Composition, Purdue University
- **Entrepreneurship** - Cassandra Shaw, Ph.D., Industrial Organizational Psychology, Capella University
- **Environmental Science** - Kelly Reiss, Ph.D., Environmental Engineering Sciences, University of Florida
- **Finance and Accounting** - Juan Roman, CPA, D.B.A., Business Administration, Pontifical Catholic University of Puerto Rico
- **Government Contracting and Acquisition & Reverse Logistics Management** - Robert Gordon, D.Mgt., Management, University of Phoenix

- **Health Information Management** - Natasha Cauley, M.P.H., Health Care Organization Policy, University of Alabama
- **History** - Richard Hines, Ph.D., History, Washington State University
- **Homeland Security, National Security Studies, Security Management and Military Studies** - Kelli Frakes, Ph.D., Public Policy and Administration, Walden University
- **Hospitality Management** - Sheri Hernandez, Ed.D., Curriculum and Instruction, Capella University
- **Human Development and Family Studies** - Kathleen Mangeri, M.A., Student Personnel Services, Trenton State College
- **Information Technology** - Novadean Watson-Stone, D.B.A., Information Systems, Argosy University
- **Information Technology Management**, **Information Systems Security** - Kevin Harris, D.B.A., Information Systems, Argosy University
- **Intelligence Studies** - Nicole Drumhiller, Ph.D., CTM, Political Science, Washington State University
- **International Relations and Global Security**- Katherine Brannum, Ph.D., Political science, University of Massachusetts Amherst
- **Management** - Marie Harper, Ph.D., Specialization - Business General, Capella University
- **Marketing, Economics and Technical Management** - Thomas Schaefer, D.B.A., Management, Argosy University
- **Mathematics** - TBA
- **Natural Sciences** - David Brashinger, M.S., Microbiology and Immunology, Loyola University Chicago
- **Nursing** - Stacey Kram, D.N.P., Nursing Practice, Salisbury University
- **Political Science** - Thomas Kelly, Ph.D., Political Science, University of Illinois at Chicago
- **Psychology** -TBA
- **Public Administration, Public Policy and Legal Studies** - Christi Bartman, J.D., University of Toledo
- **Public Health** - Samer Koutoubi, Ph.D., Dietetics and Nutrition, Florida International University, M.D., Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania
- **Retail Management and Real Estate** - Kevin Forehand, D.B.A., Business Administration & Management, Northcentral University

- **School Counseling** - Kimberlee Ratliff, Ed.D., Counseling Psychology, Argosy University
- **Sociology** - Jennifer Cramer, Ph.D., Anthropology, University of Wisconsin, Milwaukee
- **Space Studies** - Edward Albin, Ph.D., Planetary Geology, The University of Georgia
- **Sports and Health Sciences** - Karyn Gallivan, Ph.D., Public Health, Walden University
- **Sports Management** - James Reese, Ed.D., Physical Education: Sport Administration, University of Northern Colorado
- **Teaching** - Kathleen Tate, Ph.D., Elementary Education, Florida State University
- **Transportation and Logistics Management** - Larry Parker Jr., Ph.D., Organization and Management, Capella University

Faculty Directors

- **Arts and Humanities** - Bethanie Hansen, D.M.A., Music Education, Boston University
- **Arts and Humanities** - Tonia Parker, Ph.D., Psychology - General Psychology, Capella University
- **Arts and Humanities** - Jeffrey Stone, Ph.D., Education, University of Kansas
- **Arts and Humanities** - TBA
- **Business** - Doris Blanton, D.Mgt., Organizational Leadership, University of Phoenix
- **Business** - Jill Fuson, Ph.D., Education, Postsecondary and Adult Education, Capella University
- **Business** - Gary Deel, Ph.D., Hospitality Administration, University of Nevada, Las Vegas
- **Education** - Jan Spencer, Ph.D., Organizational Leadership, Regent University
- **Health Sciences** - Craig Bogar, Ed.D., Sports Management, United States Sports Academy
- **Science, Technology, Engineering, and Math** - Jackie Galvan, Ph.D., Business Administration – Management Information Systems, Northcentral University
- **Science, Technology, Engineering, and Math** - Daniela Messina, D.C., Chiropractic, New York Chiropractic College
- **Science, Technology, Engineering, and Math** - Elizabeth Pearsall, Ph.D., Medicinal Biochemistry, University of North Carolina - Greensboro
- **Security and Global Studies** - David Rand, M.S., Forensic Sciences, National University

- **Security and Global Studies** - John Dolan, Ph.D., Education and Human Resource Studies, Colorado State University
- **Security and Global Studies** - Michelle Watts, Ph.D., International Development, University of Mississippi

Librarians

- **Associate Dean, Online Librarians** - Maryelizabeth Gano, M.S.L.S., Library and Information Science, The Catholic University of America
- Jason Anderson, M.S., Library and Information Science, University of Washington
- Christy Cechman, M.L.S., Library & Information Science, Valdosta State University
- Elizabeth Cook, M.S., Library Science, University of Kentucky
- Priscilla Coulter, M.S., Library Science, University of North Texas
- Daniel Feinberg, M.L.I.S., Library / Information Systems, Kent State University
- Coleen Neary, M.L.S., Library and Information Services, University of Maryland
- Carole Nowicke, Ph.D., Library and Information Science, Indiana University-Bloomington
- John Palmer, M.S., Library Science, University of North Texas
- Kara Rawlins, M.S., Library and Information Science, University of Illinois at Urbana-Champaign
- Aida Smith, M.L.S., Library and Information Science, San Jose State University

Faculty List (http://www.apu.apus.edu/academic/faculty-directory.html)

Academic Programs

About Academic Programs

The American Public University System offers several options for undergraduate study: associate degrees, bachelor's degrees, undergraduate certificates, minors, and learning tracks. All degree programs include a general education component. Associate degree programs require a minimum of 60 semester hours which must be completed within seven (7) years of the students' first enrollment date. Bachelor's degree programs require a minimum of 120 semester hours. Students are allowed ten (10) years from the date of first enrollment to complete a bachelor's degree. Bachelors' programs include general education, major and elective requirements; many offer an opportunity to focus on a specific area of concentration.

Program Completion Rates, Median Debt, and More

For more about the graduation rates and median debt of students who completed each program, as well as other important information—visit www.APUS.edu/disclosure (http://www.apus.edu/disclosure).

Associate Programs

Associate degree programs are ideal if you seek a two-year program as either your final degree in higher education or the foundation for further study at the bachelor's level. The General Studies associate degree is designed to provide a solid foundation for further academic achievement. Discipline-specific associate degrees provide you with an opportunity to focus on courses that develop knowledge, skills, and abilities that are readily applicable to personal or professional interests. All associate degrees require a minimum of 60 semester hours and a 2.0 GPA for graduation.

Associate of Arts

- *Business Administration* (p. 65)
- *Communication* (p. 69)
- *Counter Terrorism Studies* (p. 73)
- *Criminal Justice* (p. 77)
- *Early Childhood Care and Education* (p. 81)
- *General Studies* (p. 85)
- *History* (p. 88)
- *Hospitality* (p. 92)
- *Management* (p. 60)
- *Military History* (p. 96)
- *Real Estate Studies* (p. 100)
- *Retail Management* (p. 104)
- *Supply Chain Management*
- *Weapons of Mass Destruction Preparedness* (p. 111)

Associate of Science

- *Accounting* (p. 115)
- *Computer Applications* (p. 120)
- *Database Application Development* (p. 123)
- *Explosive Ordnance Disposal* (p. 127)
- *Fire Science* (p. 131)
- *Paralegal Studies* (p. 135)
- *Public Health* (p. 139)
- *Space Studies*
- *Web Publishing* (p. 146)

Associate of Applied Science

- *Health Sciences* (p. 54)
- *Technical Management* (p. 57)

Associate of Applied Science - Health Sciences

The Associate of Applied Science in Health Sciences is designed for students interested in or currently working in the rapidly growing healthcare industry, and for those who have completed military training in the medical and health Sciences. This program offers you the opportunity to gain basic general education and earn college credits to complement your medical knowledge and healthcare training. This AAS degree is ideal for a variety of healthcare careers; including medical assistants, laboratory technicians, dental assistants, nursing, and numerous other careers within the healthcare industry.

Note: Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply learning practices from health sciences training to associate degree level education courses.
- Demonstrate effective verbal and written communication skills.
- Integrate concepts from military health sciences training with broader general education knowledge acquired at APUS.
- Demonstrate a commitment to learning and broadening skills to become eligible for increased responsibility and advancement in military medical services.
- Demonstrate interest in pursuing higher learning opportunities generated by successful completion of the Associate in Applied Science degree.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		15
Major Required		28
Elective Requirements		17
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (15 semester hours)

Code	Title	Semester Hours
Arts and Humanities (3 semester hours) [1]		
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	

LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (3 semester hours) [1]		
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (3 semester hours)		
ENGL110	Making Writing Relevant	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	

HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
Total Semester Hours		15

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Requirements (28 semester hours)

Military health-related courses, completed at the Medical Education and Training Campus (METC), Ft. Sam Houston, TX. Up to all 28 semester hours can be transferred based on METC course completion.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will **not** be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

And select from the following APUS courses to fulfill any of the 28 semester hours remaining:

Code	Title	Semester Hours
BIOL133	General Biology I with Lab	4
BIOL134	General Biology II with Lab	4
CHEM133	General Chemistry I with Lab	4
BIOL201	Principles of Anatomy and Physiology with Lab	4
PHYS133	Elements of Physics I with Lab	4
BIOL202	Principles of Microbiology with Lab	4
SCIN211	Principles of Genetics with Lab	4
Total Semester Hours		28

Elective Requirements (17 semester hours)

Elective courses may be completed by military training courses recognized by the American Council on Education, college transfer courses, national tests, or courses completed through American Military University or American Public University.

Associate of Applied Science - Technical Management

The Associate of Applied Science in Technical Management is designed to build upon your prior education and work experience gained through your community college or military technical courses/occupations. In this AAS degree, you will explore management, business, and planning functions through an analytical approach. You will focus on development concepts including the latest technologies to help you gain technical expertise in the area of design and systems integration. In addition, while in this AAS program, you may be eligible to receive a certificate in technical management, while gaining a foundation in preparation for the bachelor's in technical management program.[1]

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine leadership and management motivational models, theories, and concepts as they relate to developing a healthy culture and successful workforce within a technical environment.
- Evaluate complex developmental concepts and latest technologies.
- Develop technical expertise in design, development, and integration of systems.
- Analyze and interpret data obtained via analytical approaches.

1 Students enrolled in the Associate of Applied Science in Technical Management program will have to apply for the awarding of the Certificate in Technical Management

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		15
Major Required		28
Elective Requirements		17
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (15 semester hours)

Code	Title	Semester Hours
Arts and Humanities (3 semester hours) [1]		
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	

ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (3 semester hours) [1]		
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (3 semester hours)		
ENGL110	Making Writing Relevant	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	

HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Total Semester Hours		15

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (28 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN250	Analytics I	3
MGMT310	Principles and Theory of Management	3
EDMG220	Emergency Planning	3
MGMT312	Leadership & Motivation	3
BUSN311	Law and Ethics in the Business Environment	3
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		28

Elective Requirements (17 semester hours)

Elective courses may be completed by military training courses recognized by the American Council on Education, college transfer courses, national tests, or courses completed through American Military University or American Public University.

Associate of Arts - Management

Our Associate of Arts in Management introduces you to the theoretical concepts and practical applications needed to effectively lead and manage a workforce, with a focus on either human resources or retail management. This associate degree program seeks to expand your academic and professional development by providing the practical skills required for entry-level supervisory positions and responsibilities in business or government environments. Knowledge from this online associate program can also serve as a springboard to a bachelor's degree.

This program's curriculum is in alignment with Society for Human Resource Management (SHRM (http://www.shrm.org)) standards. This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate critical thinking, problem solving and communication skills necessary to be a successful supervisor in a business environment.
- Explain key concepts, methods and practices for managing human capital in an organization.
- Compare and contrast ethical theories as they relate to organizational and individual behavior.
- Prepare a development program for a potential direct report.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		12
Select one of the following Concentrations:		9
Human Resources (p. 63)		
Retail Management (p. 63)		
Final Program Requirement		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 course from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	

LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON101	Microeconomics	
ECON102	Macroeconomics	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2

ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH120	Introduction to Statistics	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (12 semester hours)

Code	Title	Semester Hours
MGMT100	Human Relations	3
MGMT101	Principles of Supervision	3
MGMT200	Ethics Fundamentals	3
Select 1 course from the following:		3

MGMT201	Organizational Fundamentals	
RTMG150	Retail Organization Fundamentals	
Total Semester Hours		12

Concentration in Human Resources (9 semester hours)

This concentration is designed to offer a practical base of knowledge that prepares students to deal with the complexities and challenges of managing today's global workforce. Topics of study include recruitment, selection, team dynamics, ethics, performance management, compensation, benefits, labor and employee relations, and policy and records management.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Supervise people in the workforce environment.
- List the necessary steps to take in the recruiting, grievance and corrective action processes.
- Communicate an organization's mission, vision, goals and objectives to direct reports.
- Discuss the challenges that human resources face in modern organizations.
- Describe team-management skills with a focus on the group dynamics and ethics of an increasingly diverse workforce.

Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
HRMT200	Human Resource Fundamentals	3
HRMT201	Employee Training and Development	3
HRMT202	Interviewing Fundamentals	3
Total Semester Hours		9

Concentration in Retail Management (9 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the functions and applications of various retail management processes in the areas of store operations.
- Assess the needs of today's retail managers in the use of information technology, financial resources, and human resources in the retail workplace.
- Apply retail managerial concepts to issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
RTMG200	Customer Relations	

RTMG201	Retail Inventory Management	
RTMG202	Risk Management	
RTMG203	Commercial Safety	
RTMG204	Finance Fundamentals	
Total Semester Hours		9

Final Program Requirement (3 semester hours)

Code	Title	Semester Hours
MGMT296	Capstone: Portfolio [1]	3
Total Semester Hours		3

[1] Taken once all other requirements have been met.

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Business Administration

The online associate degree in Business Administration serves as a general introduction to education and business fundamentals and further develops the skills you'll need for an entry-level position in business or government. You'll study basic finance, management, marketing, and leadership concepts while increasing your written communication and computer skills in this online program. You may also apply credits earned in this associate degree toward the completion of a business administration bachelor's degree or related business program.

This associate degree in Business Administration has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org). Skills gained in this program are helpful if you wish to pursue the Microsoft Office Specialist (MOS) Word 2013 certification.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Use skills in oral and written communication as well as mathematics, relevant general education coursework, and specific business knowledge in the basics of accounting, economics, management, and marketing.
- Discuss the basic business principles and operations, including management, marketing, and finance.
- Apply critical thinking, problem solving, and team-building skills in a business management environment.
- Examine basic tools for managing in organizations based on a fundamental knowledge of both individual and organizational behavior.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Elective Requirements		9
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	

ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL225	Business Writing	3
History (3 semester hours)		
Select 1 course from the following:		3

HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
BIOL133	General Biology I with Lab	
CHEM133	General Chemistry I with Lab	
PHYS133	Elements of Physics I with Lab	
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN138	Introduction to Physical Geology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
ACCT105	Accounting for Non Accounting Majors	3
ITCC200	Application Software Integration	3
BUSN235	Personal Finance	3
BUSN299	Applied Business Solutions	3
Total Semester Hours		21

Elective Requirements (9 semester hours)

Code	Title	Semester Hours
Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		9
Total Semester Hours		9

Associate of Arts - Communication

The Associate of Arts in Communication imparts the interpersonal and group communication skills required for success in all professions in today's technological, global, and diverse world. You'll learn effective public speaking techniques and how to develop compelling presentations, while studying communication history, theory, and ethics. This online associate degree is a good stepping-stone for careers in journalism, marketing and public relations, business management, public policy, or corporate training. Knowledge gained from this associate degree can also serve as a springboard to a related baccalaureate degree.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the various theoretical models and separate parts of the communication process.
- Prepare and deliver a presentation appropriate to a selected communication setting or event.
- Articulate the issues relevant to interpersonal and/or intercultural communication.
- Apply relevant techniques to interpersonal and/or intercultural communication.
- Demonstrate knowledge of the history, models, theories, and concepts of mass communication.
- Demonstrate an understanding of the ethics of communication.
- Demonstrate an understanding of the dynamics and processes of small group communication.
- Demonstrate an understanding of the issues and dynamics of communication between genders.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Elective Requirements		12
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
COMM211	Social Media and Society (Required)	
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		
COMM200	Public Speaking	
COMM285	Interpersonal Communications	

ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT100	Accounting I	
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		24

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
COMM200	Public Speaking	3
COMM210	Communication and Gender	3
COMM220	Small Group Communication	3
COMM240	Intercultural Communication	3
COMM250	Mass Communication	3
COMM280	Ethics in Communication	3
Total Semester Hours		18

Elective Requirements (12 semester hours)

Code	Title	Semester Hours
Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		12
Total Semester Hours		12

Associate of Arts - Counter Terrorism Studies

The Associate of Arts in Counter Terrorism Studies explores the origins and motivations for terrorism, and terrorist strategy and tactics. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

This online associate degree program offers you a greater understanding of the complexities of this field as you prepare to enter or advance within public safety organizations. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or other intelligence organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explore the theory and history of terrorism and political violence.
- Identify different domestic and international terrorist groups, their leadership, and their tactics.
- Recognize the motivations of terrorist leaders and their followers.
- Determine the evolving nature of domestic and international terrorism.
- Define government agencies involved in combating terrorism and in ensuring homeland security.
- Describe countermeasures available to U.S. agencies fighting terrorism.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	

LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	

ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS302	Introduction to Homeland Security and Defense	3

HLSS320	Intelligence and Homeland Security	3
HLSS322	Homeland Security Legal and Ethical Issues	3
HLSS323	Homegrown Violent Extremism	3
INTL450	Terrorism and Counterterrorism	3
SCMT319	Global Terrorism	3
Total Semester Hours		24

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Criminal Justice

The Associate of Arts in Criminal Justice offers you a basic foundation in criminal justice theory and concepts, legal issues, terrorism, and law enforcement objectives and administration. This associate degree program is designed to help you develop new skills necessary for a career in law enforcement or criminal justice, or to enhance your knowledge gained on the job if you are already employed as a law enforcement officer, investigator, agent, criminologist, or in other law-enforcement related fields.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine historical, philosophical, and constitutional perspectives/limitations of law enforcement.
- Describe the collection and preservation of evidence in basic crime scene investigations.
- Identify the origins of modern terrorism, its impact on society, and the impact of cross-cultural communication.
- Differentiate the criminological, sociological, legal, and political influences on the American criminal justice system.
- Restate theories of juvenile delinquency.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	

ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
CMRJ100	Introduction to Law Enforcement	3
CMRJ101	Evidence and Procedures	3

CMRJ201	Criminal Justice Administration	3
CMRJ206	Juvenile Delinquency	3
COMM240	Intercultural Communication	3
EDMG230	Emergency and Disaster Incident Command	3
LSTD204	Introduction to the Courts	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CMRJ295	Criminal Justice Sophomore Seminar (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Early Childhood Care and Education

The Associate of Arts in Early Childhood Care and Education prepares you to work with young children from birth to 5 years of age in a variety of private and public childcare and educational settings.

In addition, courses in the program can help you prepare to pursue the Child Development Associate (CDA) certification (http://www.cdacouncil.org) sponsored by the Early Childhood Education Training Institution and the Council for Professional Recognition

Knowledge gained in this online associate program can also serve as a springboard to a related baccalaureate degree.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the scope and principal theories of early childhood care and education.
- Describe how existing knowledge and practice in early childhood care and education is tested and revised.
- Use appropriate research documents on early childhood care and education, and cite appropriately.
- Demonstrate the ability to apply concepts learned in the classroom to real-life settings.
- Describe his or her own cultural background and how this background has influenced his or her own beliefs and practices in the field of child development and family studies.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Elective Requirements		9
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	

ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
PSYC101	Introduction to Psychology	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 courses from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	

HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
EDUC111	Observation Techniques	3
CHFD210	Childhood Educational Development	3
CHFD212	Infant and Toddler Programs	3
CHFD225	Introduction to the American Family	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
CHFD331	Parenting	3
Total Semester Hours		21

Elective Requirements (9 semester hours)

Code	Title	Semester Hours
Students must complete 9 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		9
Total Semester Hours		9

Associate of Arts - General Studies

The Associate of Arts in General Studies offers you the opportunity to develop knowledge, skills, and abilities that provide a solid foundation for academic achievement and are readily applicable to your educational, personal, or professional interests. In this online degree program, you'll combine required core courses in English, history, math, and science with elective courses of your choice, enabling you to create your own concentration. Successful achievement of this associate degree shows employers in all fields that you are capable of college-level studies and can persist in completing a degree program. Knowledge from this online associate program can also serve as a springboard to a baccalaureate degree.

Note: This program does not qualify for Federal Student Aid.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Use knowledge across a wide diversity of subjects, views, works, and authors, from which they will have a general academic foundation.
- Identify their personal, academic, and professional/career goals and strategies that are integrated within a meaningful approach to life.
- Read, write, and analyze effectively across a number of disciplines.
- Identify issues and problems, then formulate and frame solutions to these problems.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Elective Requirements		30
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	

FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	

IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Elective Requirements (30 semester hours)

Students must complete 30 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Arts - History

The Associate of Arts in History degree program offers fascinating insight into the pivotal events and people that influenced modern civilization, and covers historical periods across a global perspective. This online degree provides a basic historical education which can be used as a stepping-stone in fields where historical knowledge is beneficial to career advancement. Graduates with a history degree are found in education, or local, state, or national museums as a curator, guide, archivist, or consultant. You may also apply this degree toward the requirements for the Bachelor of Arts in History or related bachelor's degree.

Many university faculty members teaching these courses are published historians who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Elective Requirements		12
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	

FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	

HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
Select 4 courses from the following:		12
HIST101	American History to 1877	

HIST102	American History since 1877
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST213	History of Women in the United States
HIST223	History of the American Indian
Total Semester Hours	18

Elective Requirements (12 semester hours)

Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Arts - Hospitality

The Associate of Arts in Hospitality Management assists you in preparing for a career in the foodservice industry. This online program is designed to increase your understanding of proper operational procedures including: purchasing and storage; food service sanitation; food preparation; legal and insurance requirements; and marketing and sales. Completion of this associate degree could also be used as a springboard to a bachelor's level program.
This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the career opportunities and future industry growth forecasts as they relate to the different segments of the Hospitality Industry.
- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.
- Analyze hospitality operation processes and attributes and the legal implication of proper or improper management.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		12
Concentration in Restaurant Operations Requirements (p. 95)		9
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	

ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 courses from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (12 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP203	Hotel and Restaurant Purchasing	3
HOSP204	Introduction to Hotel and Restaurant Law	3
HOSP221	Hospitality Marketing	3
Total Semester Hours		12

Concentration in Restaurant Operations Requirements (9 semester hours)

Provides an introduction to food and beverage management operations, including: marketing, menu planning, logistical support, production, service, cost controls, and quality assurance. Also examines topics related to foodborne diseases and how to control them.

Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.

Code	Title	Semester Hours
HOSP101	Foodservice Sanitation	3
HOSP200	Food and Beverage Management	3
Select 1 course from the following:		3
HOSP202	Quantity Food Preparation	
HOSP207	Principles of Cost Control in Foodservice Operations	
Total Semester Hours		9

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HOSP295	Restaurant Operations Seminar (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Military History

The Associate of Arts in Military History degree explores the origins of armed conflict in ancient times to patterns of Western warfare in the modern era. From the American Revolution to present day, the curriculum examines national military powers, war doctrines, crucial battles, and political leaders and their foreign policies that led to conflict. This online associate degree also emphasizes professional research, writing, and critical thinking skills. An associate degree can be a stepping-stone in fields where historical knowledge is beneficial to career advancement, such as curators, guides, archivists, or consultants, or for continuing toward a bachelor's level education. Many university faculty members teaching these courses are published historians or military leaders who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Elective Requirements		12
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 course from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	

FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	

HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3

MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		18

Elective Requirements (12 semester hours)

Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Arts - Real Estate Studies

The Associate of Arts in Real Estate Studies examines the basic experience, education, licensing requirements, and personal attributes required to succeed in the real estate field. This online associate degree provides a good foundation in real estate topics for both aspiring and current real estate professionals including: salesperson; agent or broker; residential property inspector or appraiser; mortgage broker or loan officer; and property manager. Knowledge from this online associate program can also serve as a springboard to a bachelor's degree.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Discuss career opportunities that exist in the real estate industry and the personal, educational, experiential and licensing requirements that pertain to each.
- Identify broad perspectives on the principles, practices, legal and ethical issues that are important to successful practitioners of each type of real estate career.
- Apply specific skill sets important to each area of real estate practice including financial analysis, property appraisal, internet based marketing and research, contract negotiation, investment evaluation, personal marketing, time management and organizational skills, etc.
- Examine requirements to qualify for any licensing exams and/or other entry requirements (in the state(s) they plan to practice) pertinent to the area of real estate that they identify as of interest.
- Develop clear strategies, goals and objectives, and action plans to launch a successful real estate career upon graduation, discharge or retirement.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2

ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
BUSN120	Real Estate Principles	3
BUSN121	Real Estate Practice	3
BUSN220	Real Estate Finance	3
BUSN221	Real Estate Appraisal	3
BUSN222	Real Estate Property Management	3
LSTD202	Real Estate Law	3
Total Semester Hours		24

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Retail Management

The Associate of Arts in Retail Management provides the basic skills needed to effectively manage retail operations. This online associate degree will focus on interpersonal, managerial, human resource, leadership, communication, and the critical thinking skills necessary for success in the retail industry. Completion of this online degree helps prepare you for new positions in retail or to advance with your current employer. This associate degree also offers a path to completion of your bachelor's degree in retail management.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling in Retail Management.
- Use the needs of today's retail managers in assessing and implementing strategies employed in the management of information technology, financial, and human resources in the workplace.
- Analyze the impact of legal, social, political, economic, technological, and environmental issues in relation to organizational behavior.
- Apply managerial concepts to strategic decisions impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global environment.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 course from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	

LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 course from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3

COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (6 semester hours)		
Select 1 courses from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
RTMG150	Retail Organization Fundamentals	3
RTMG200	Customer Relations	3
RTMG201	Retail Inventory Management	3
RTMG204	Finance Fundamentals	3
Select 3 courses from the following:		9
HOSP101	Foodservice Sanitation	
HRMT200	Human Resource Fundamentals	
MGMT101	Principles of Supervision	
RTMG202	Risk Management	
RTMG203	Commercial Safety	
TLMT200	Retail Shipping and Receiving	
TLMT201	Retail Transportation	
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
RTMG295	Retail Management Seminar (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Supply Chain Management

The Associate of Arts in Supply Chain Management will strengthen the student's understanding of supply chain management functions such as: transportation, reverse logistics, order processing, warehousing, and acquisitions management. The degree is specifically designed to help students identify logistics and supply chain roles and opportunities within different organizations. This associate degree will help students master the concepts and common nomenclature to engage in supply chain management dialogue.

Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the basic principles of supply chain management.
- Demonstrate skills in transportation, logistics, reverse logistics, and acquisitions management.
- Learn how to solve and supply chain problems through case study scenarios.
- Model strong analytical and problem-solving skills.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	

GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
ECON101	Microeconomics	3
Select 1 course from the following:		6
COMM211	Social Media and Society (Required)	
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL225	Business Writing	3
History (3 semester hours)		
Select 1 course from the following:		
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	

HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
ACCT105	Accounting for Non Accounting Majors	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
SCMG201	Principles of Supply Chain Management	3
DEFM200	Fundamentals of Contracting and Acquisition	3
TLMT200	Retail Shipping and Receiving	3
TLMT201	Retail Transportation	3
ECON102	Macroeconomics	3
Total Semester Hours		24

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Arts - Weapons of Mass Destruction Preparedness

The Associate of Arts in Weapons of Mass Destruction Preparedness provides you with a fundamental understanding of terrorism, terrorist weapons, security vulnerabilities, extremist groups, counterterrorism tactics, and national security. The U.S. military, government agencies, and defense contractors need knowledgeable individuals to help them plan for, deter, and recover from terrorist incidents. This online associate degree helps you to prepare for a career as a security officer, law enforcement officer, or security specialist with organizations concerned with national security, public safety, and counterterrorism.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Recognize the threat to the U.S. posed by both domestic and international terrorist groups and state actors armed with weapons of mass destruction.
- Describe the threat posed to society by chemical agents.
- Relate the threat posed to society by biological agents.
- Identify the threat posed to society by radiological and nuclear terrorism.
- Review the use of detection and monitoring equipment and personal protection and decontamination practices for the first responder.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 course from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	

ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 course from the following:		6
ANTH100	Introduction to Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	

IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
EDMG340	Consequence Management	3
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS305	Private Sector Homeland Security	3

HLSS310	Critical Infrastructure Protection	3
HLSS312	Port Security	3
Total Semester Hours		24

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Science - Accounting

The Associate of Science in Accounting teaches the basics of accounting fundamentals including the tools needed for building financial statements. You'll study basic business strategies and economic concepts in this accounting degree program as you prepare for entry-level positions as a bookkeeper, accountant, or auditor. This online associate program is also ideal for students who want to enter the business world as an entrepreneur or manager of a small business.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
General Concentration (p. 118)		3
Elective Requirements		9
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 course from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
ACCT100	Accounting I	3
ACCT101	Accounting II	3

BUSN100	Basics of Business	3
ITCC111	Basic Productivity Applications	3
ACCT301	Intermediate Accounting I	3
BUSN311	Law and Ethics in the Business Environment	3
Total Semester Hours		18

General Concentration (3 semester hours)

This concentration is for those students who want to enter the business world as an entrepreneur or manager of a small business. It prepares students for entry-level positions in bookkeeping, accounting, and auditing. The curriculum provides a solid foundation in business strategy, financial statements, cost information, economics, management, and ethical issues. Students will be presented the various financial statements and learn how to record, present, and analyze financial data.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.

Concentration Requirements (3 semester hours)

Code	Title	Semester Hours
Select 1 course from the following:		3
ACCT300	Financial Accounting	
ACCT302	Intermediate Accounting II	
ACCT303	Intermediate Accounting III	
ACCT305	Accounting Information Systems	
ACCT400	Auditing	
ACCT401	Cost Accounting	
ACCT406	Managerial/Cost Accounting	
ACCT410	Governmental and Not-for-Profit Accounting	
ACCT415	Law for Accountants	
ACCT420	Individual Federal Taxes	
Total Semester Hours		3

Elective Requirements (9 semester hours)

Code	Title	Semester Hours
Students must complete 9 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		9
Total Semester Hours		9

Associate of Science - Computer Applications

The Associate of Science in Computer Applications offers a foundational understanding of the leading technologies, theories, and methodologies used to develop critical applications for enterprise implementation. You'll learn core concepts of computer systems, algorithms, computer literacy, application design and development, and other proficiencies commonly utilized in the IT marketplace. Successful completion of this online associate degree prepares you for entry-level careers in application development in enterprise IT departments or as an independent programmer.

After completing this associate degree in computer applications, you may consider pursuing your Microsoft Office Specialist (MOS) Word 2013 Certification and Excel 2013 Certification. You may also use this program as a springboard to a bachelor's degree program in a related field.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Appraise the major concepts behind computers, computer algorithms, and computer literacy.
- Analyze business environments and use Microsoft Office applications such as Word, Excel, PowerPoint, and Access to perform information processing tasks.
- Distinguish between the various diagrams in the Unified Modeling Language (UML).
- Assess the process for designing and developing software and evaluate the benefits of modularization of software.
- Profile the purpose, audience, scope, structure, and format of key IT documents and appraise the appropriateness of a document to the particular writing/research goal.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Elective Requirements		12
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
DSIN141	Image Enhancement using Adobe Photoshop	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	

HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
ENTD200	Fundamentals of Programming	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
ITCC121	Introduction to Computer Science	3
ITCC111	Basic Productivity Applications	3
ITCC112	Advanced Productivity Applications	3
ITCC113	Office Presentation Applications	3
ITCC114	Office Communications Applications	3
ITCC200	Application Software Integration	3
Total Semester Hours		18

Elective Requirements (12 semester hours)

Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Science - Database Application Development

The Associate of Science in Database Application Development focuses on the theory, principles, practices, methodologies, competencies, tools, and technologies associated with database application development. You'll study essential data collection methods and gain a fundamental overview of the primary database systems used on an enterprise level. This online degree program is an ideal choice if you're pursuing a career as a database administrator, coordinator, or analyst and is adaptable for many IT-related career fields.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Appraise the principles for designing relational database systems.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy database applications.
- Analyze the information needs and develop entity relationship models that represent the relationships and the cardinality in an information system.
- Investigate the first, second, and third normal forms of a database.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		15
Elective Requirements		15
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	

GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	

ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning(3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 courses from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (15 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
INFO161	Relational Databases with MS Access: Introduction	3
INFO221	Relational Database Concepts	3
INFO261	Relational Databases with MS Access: Advanced	3

INFO262	Relational Databases with MS Access: Project	3
Total Semester Hours		15

Elective Requirements (15 semester hours)

Students must complete 15 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Science - Explosive Ordnance Disposal

The Associate of Science in Explosive Ordnance Disposal examines the historical development, science, methods, and practices of explosive ordnance detection and disposal, as well as emergency responses to terrorist acts and national security. This online associate degree program offers ideal preparation for a career as an explosive ordnance disposal technician or first responder in the military, law enforcement agencies, and government contractors.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe specific dates in relation to discovery, invention, and use of various explosives.
- Discuss the history and background of electricity and electronics as typically found in hazardous devices.
- List important scientists and inventors who played essential roles in explosives development.
- Explain the safety precautions to observe when conducting operations involving hazardous devices that incorporate energy bombs and electromagnetic pulse devices.
- Restate the principles and theories of fundamental concepts of electricity, physics, and chemistry as they apply to explosive devices.
- Interpret circuit components most commonly used in hazardous devices.
- Recognize hazardous device electronic diagrams.
- Summarize the operations and methods used during ordnance and emergency responses.
- Describe the safety precautions used when handling explosives.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		16
Final Program Requirements		3
Elective Requirements		11
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	

LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		

Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
SCIN131	Introduction to Chemistry with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (16 semester hours)

Code	Title	Semester Hours
SCIN133	Introduction to Physics with Lab	4
HLSS230	Chemistry of Explosives	3
HLSS231	History of Explosive Ordnance Disposal	3
HLSS232	Electronics, Electricity, and Explosives	3
HLSS233	Explosive Incident Assessment: Methods, Practices, Protocols	3
Total Semester Hours		16

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
EXOD299	Sophomore Seminar in Explosive Ordnance Disposal (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (11 semester hours)

Code	Title	Semester Hours
Students must complete 11 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		11
Total Semester Hours		11

Associate of Science - Fire Science

The Associate of Science degree in Fire Science provides you with scientific knowledge of fire behavior, prevention, suppression, and equipment. In addition to learning how and why fires start, spread, and are controlled, you'll examine the history and philosophy of fire prevention bureaus, use of fire codes, and identification and correction of fire hazards. This online associate degree provides you with the academic courses needed to support your advancement in the field, in careers such as a firefighter, fire inspector, arson investigator, or related public safety occupations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the historical development of fire protection and response from its origins through contemporary times.
- Identify and differentiate the various forms of fire, their fundamental scientific principles, and their associated mitigation and response strategies.
- Describe the legal and regulatory duties and responsibilities of the fire department as a public organization.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	

GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	

HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT281	Principles of Fire and Emergency Services Safety and Survival	3
FSMT287	Fire Protection in Building Construction	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
FSMT299	Sophomore Seminar in Fire Science (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Science - Paralegal Studies

The Associate of Science in Paralegal Studies offers a foundation in legal doctrine, along with the analytical, technical, and communication skills necessary for a career in the legal field. This associate degree program helps to prepare you for a paraprofessional career as a paralegal, or legal assistant. Knowledge gained from this online program is applicable to many employers seeking individuals with legal expertise, such as law firms, government agencies, nonprofits, and corporations or businesses with legal departments.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, in identifying and effectively using legal resources and in writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature, function, principles, and concepts as they relate to the paralegal and apply critical legal thinking and analytical skills to resolve typical situations or facts.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	

HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
LSTD100	Introduction to Law for Paralegals	3
LSTD201	Litigation	3
LSTD202	Real Estate Law	3
LSTD203	Criminal Law and Procedure for the Paralegal	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
LSTD299	Sophomore Seminar in Paralegal Studies (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

Associate of Science - Public Health

The Associate of Science in Public Health degree offers introductory courses in sociology, psychology, health, and wellness while looking at the American healthcare system. This online associate degree offers a focus on interpersonal communication, leadership, and motivation to help prepare you for entry-level careers in community healthcare or occupational health and safety settings.

The university also offers a bachelor's in public health that can either be a logical next step after earning the associate or may be considered instead of the associate. We recommend you speak with an admission representative to discuss the appropriate starting level to meet your educational goals.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain how and why they are a part of a global community and how the health of one nation or community affects the planet as a whole.
- Explain why the profession of public health is dynamic, political, and controversial. To face health issues, a professional must define the public as diverse with many views, beliefs, values and concerns.
- Possess the training and competence in the use of technologies to deliver health care services to their communities.
- Choose and use the appropriate policies, educational programs, and incentives to develop and maintain individual and community lifestyles that promote optimal health.
- Develop a continuum of supportive public health services appropriate for their community.
- Resolve conflicts over public health and health care issues.
- Ensure that the findings of current public health research are communicated to their communities in an appropriate manner.
- Assure communities of the right to receive sufficient information from suppliers of health care technologies, health care providers, and relevant governmental agencies.
- Explain and assist in the development of a safe community environment.
- Maintain involvement with their communities to assure appropriate education regarding public health matters.
- Maintain the utmost ethical standards in their personal and professional conduct.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		22
Elective Requirements		8
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
PHIL200	Introduction to Ethics	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	

ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
COMM285	Interpersonal Communications	3
ENGL110	Making Writing Relevant	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
SCIN130	Introduction to Biology with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (22 semester hours)

Code	Title	Semester Hours
PBHE111	Introduction to Health Care Administration	3
PBHE112	Health Services Organization	3
PBHE209	Wellness: Health Promotion and Disease Prevention	3
SCIN131	Introduction to Chemistry with Lab	4
PBHE211	Public Health in America	3
PBHE215	Healthcare: Moral Issues	3
SPHE295	Foundations of Nutrition	3
Total Semester Hours		22

Elective Requirements (8 semester hours)

Code	Title	Semester Hours
Students must complete 8 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		8
Total Semester Hours		8

Associate of Science - Space Studies

The Associate of Science in Space Studies provides an introduction to the exciting field of space studies. You will study current and historical concepts in astronomy, planetary science, space policy, and space flight, with hands-on labs in many of your core courses. This online associate degree brings you a solid foundation in the field, and is also eligible to transfer all 60 credits earned toward our space studies bachelor's program.

The curriculum for this online space studies program was originally designed by former NASA astronaut Dr. James Reilly, veteran of three shuttle missions and five spacewalks. Many of our faculty are leaders in the field, including scientists and engineers currently working for NASA, the space industry, and national astronomical observatories. You'll also have the opportunity to use the university's recently commissioned state of the art remote controlled observatory, with a fully-online 24-inch aperture telescope.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze the principles of manned and unmanned flight both within and outside of the Earth's atmosphere.
- Demonstrate basic knowledge of astronomy and planetary science.
- Examine the possibility of life elsewhere in the cosmos and the environments where life could exist.
- Recognize the role(s) of key aerospace organizations in the United States.
- Evaluate the political and commercial significance of major aerospace endeavors, including past, current, and planned.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
PHIL202	Philosophy of Science	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	

LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
History (3 semester hours)		
HIST270	History of Science	3
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3

Natural Sciences with Lab (4 semester hours)		
SCIN138	Introduction to Physical Geology with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
CHEM133	General Chemistry I with Lab	4
SCIN134	Introduction to Astronomy with Lab	4
SCIN261	Introduction to Planetary Science with Lab	4
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3
SPST203	History of Space Flight	3
Total Semester Hours		24

Elective Requirements (6 semester hours)

Students must complete 12 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Associate of Science - Web Publishing

The Associate of Science in Web Publishing provides hands-on experience with layout, navigation, graphics, HTML, CSS, and the technology necessary to design and develop websites. You'll explore readability, interactivity, accessibility, and usability issues while learning to use design elements that enhance website performance. Knowledge gained from this degree program is useful for careers in interactive design agencies, and almost all other industries as most organizations today need in-house web designers, developers, or managers.

This program covers the Site Development Associate curriculum and the web design curriculum of the CIW Web Foundations Associate certification. After completing this degree, you may also consider pursuing your CIW JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess the architecture, protocols, tools, and techniques on the Internet and the World Wide Web.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Web Publishing solutions.
- Examine the foundational principles and concepts of object-oriented programming (OOP).
- Evaluate the principles of design and analyze the process for building web sites.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		15
Elective Requirements		15
Total Semester Hours		60

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
DSIN141	Image Enhancement using Adobe Photoshop	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	

ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	

HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
ENTD200	Fundamentals of Programming	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (15 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD221	Intermediate Web Development	3
WEBD300	User Interface Design	3
WEBD241	Web Development Using JavaScript	3
Total Semester Hours		15

Elective Requirements (15 semester hours)

Students must complete 15 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Bachelor's Programs

Bachelor degree programs are designed to provide the knowledge, skills, and abilities for entry into the workforce, career transition, or graduate study. Bachelor degree programs require a minimum of 120 semester hours and a GPA of 2.0 for graduation. In most cases, these are comprised of general education, major, and elective requirements. In many programs, you have the opportunity to select specific concentrations within the degree program or opt for a general program. You may also elect to "minor" in a second academic discipline.

Bachelor

- *Bachelor of Business Administration* (p. 335)

Bachelor of Arts

- *Criminal Justice* (p. 161)
- *Criminal Justice - Momentum*
- *Emergency and Disaster Management* (p. 173)
- *Emergency and Disaster Management - Momentum*
- *English* (p. 182)
- *Entrepreneurship* (p. 187)
- *General Studies* (p. 195)
- *Government Contracting and Acquisition* (p. 202)
- *History* (p. 206)
- *Homeland Security* (p. 215)
- *Hospitality Management* (p. 220)
- *Human Development and Family Studies* (p. 227)
- *Intelligence Studies* (p. 232)
- *International Relations* (p. 244)
- *Management* (p. 253)
- *Marketing* (p. 261)
- *Middle Eastern Studies* (p. 267)
- *Military History* (p. 271)
- *Philosophy* (p. 277)
- *Political Science* (p. 282)
- *Psychology* (p. 288)
- *Religion* (p. 292)
- *Retail Management* (p. 296)
- *Retail Management - Momentum*
- *Reverse Logistics Management* (p. 305)
- *Security Management* (p. 311)
- *Sociology* (p. 317)
- *Supply Chain Management*
- *Transportation and Logistics Management* (p. 329)

Bachelor of Science

- *Accounting* (p. 344)
- *Business Analytics* (p. 349)
- *Criminal Justice with a Concentration in Forensics* (p. 356)
- *Cybersecurity* (p. 361)
- *Electrical Engineering* (p. 366)
- *Environmental Science* (p. 372)
- *Fire Science Management* (p. 379)
- *Fire Science Management - Momentum*
- *Healthcare Administration*
- *Health Information Management* (p. 388)
- *Information Systems Security* (p. 396)
- *Information Technology* (p. 405)
- *Information Technology - Momentum*
- *Information Technology Management* (p. 416)
- *Legal Studies* (p. 420)
- *Mathematics* (p. 424)
- *Natural Sciences* (p. 430)
- *Nursing* (p. 436)
- *Public Health* (p. 441)
- *Space Studies* (p. 448)
- *Sports and Health Sciences* (p. 453)
- *Sports Management* (p. 460)

Bachelor of Applied Science

- *Health Sciences*
- *Technical Management* (p. 155)

Bachelor of Applied Science in Health Sciences

The Bachelor of Applied Science (BAS) in Health Sciences is for students interested in entering or currently working in the rapidly growing healthcare industry. The degree is ideal for those who have completed military training in the medical and health sciences and are seeking advancement in their career path.

Through an interdisciplinary approach, the BAS in Health Sciences is designed to meet the transforming practices within health sciences. You will study a core curriculum in natural sciences, sports and health sciences, public health, information systems management, health information management, and healthcare administration. Best of all, if you already earned the AAS Health Sciences degree, you'll find a seamless, quick transfer to this online bachelor's program.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze healthcare policy issues from an economic and financial perspective.
- Create a plan for efficient healthcare system management.
- Evaluate and develop solutions and strategies for complex problems within the healthcare industry.
- Apply ethical standards for decision-making in healthcare organizations.
- Assess technologies and healthcare informatics for implementation in healthcare organizations.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	

ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	

ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
BIOL133	General Biology I with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (42 semester hours)

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
BIOL134	General Biology II with Lab	4
BIOL201	Principles of Anatomy and Physiology with Lab	4
SPHE314	Exercise Physiology	3
PBHE315	Health Economics and Finance	3
INFO321	Database Management Systems	3
HIMA350	Compliance	3
PBHE361	Moral Issues in Health Care	3
SPHE405	Sports First Aid	3
HIMA410	Informatics and Analytics	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE427	Epidemiology	3

SPHE461	Current Issues and Trends in Fitness and Wellness	3
Total Semester Hours		42

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HCAD498	Senior Seminar in Health Sciences [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Applied Science in Technical Management

The Bachelor of Applied Science in Technical Management is designed to build upon your prior education and work experience gained through your community college or military technical courses/occupations. Completion of this program provides the maximum opportunity for you to leverage your experience into a degree that will prepare you for management and supervisory roles. This program explores management theories, concepts, and practices necessary to organize, motivate, and lead human capital. In addition, while pursuing this BAS degree program, you may be eligible to receive the AAS in technical management as well as a certificate in technical management.[1]

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Conduct business problem focused management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.
- Develop and foster critical thinking, analysis, planning, and communication skills.
- Examine complex organizational issues that include staffing, budgeting, strategic management, quality control, project management, supply chain management, marketing management, information systems, production and operations.
- Demonstrate a proficiency in identifying and solving problems related to the specialty area using Technical Management, Project Management, Technical Research Management, Management Information Systems, and Transportation Security Management.
- Develop an analytical framework using a variety of approaches to apply leadership and management theory and practice to address the challenges of global organizations in this century.
- Evaluate technical management issues in the context of ethical, technological, structural, cultural, human and environmental factors.

[1] Students enrolled in the Bachelor of Applied Science in Technical Management program will have to apply for the awarding of the Associates of Applied Science in Technical Management and/or Certificate in Technical Management.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		27
Select one of the following concentrations:		15
Management of Information Systems (p. 158)		
Project Management (p. 159)		
Technical Management (p. 159)		
Technical Resource Management (p. 160)		
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following: [1]		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 1 course from the following:		3
ECON101	Microeconomics	
ECON102	Macroeconomics	
Select 1 course from the following: [1]		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	

GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	

SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (27 semester hours)

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN250	Analytics I	3
EDMG220	Emergency Planning	3
MGMT310	Principles and Theory of Management	3
MGMT312	Leadership & Motivation	3
MATH302	Statistics	3
BUSN311	Law and Ethics in the Business Environment	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a Concentration in Management of Information Systems, Concentration in Project Management, Concentration in Technical Management, or Concentration in Technical Resource Management.

Concentration in Management of Information Systems (15 semester hours)

The management of information systems concentration introduces the student to the common database management systems used in business and management. Students will study the common management information systems (MIS) architecture, databases, local area networks, and network security. Students will focus on management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the most common management information systems.
- Develop a broad working knowledge of the most common local area networks, management information systems, and database systems.
- Analyze network and security threats.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN350	Analytics II	3
INFO331	Management Information Systems	3
INFO321	Database Management Systems	3
ISSC341	Introduction to Networking	3
ISSC422	Information Security	3
Total Semester Hours		15

Concentration in Project Management (15 semester hours)

The project management concentration prepares the student to identify and solve technical management projects that rely upon systems and technology in the fast-changing business and management environments. The students will focus on project management, budget development, management information systems, Microsoft Project manager applications, and organizational behavior.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the practices and processes required to be a successful technical management project manager.
- Develop strategic planning skills, using a broad range of technical management tools, to solve complex project problems.
- Analyze the critical role project manager's play in the technical management workplace.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN333	Project Management for Business Analysts	3
FINC405	Budget Development and Execution	3
INFO331	Management Information Systems	3
ITMG322	Project Management Using MS Project	3
MGMT311	Organizational Behavior	3
Total Semester Hours		15

Concentration in Technical Management (15 semester hours)

The technical management concentration introduces the student to the systematic approach to solving complex business and management problems. Students will focus on management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate technical management systems.
- Develop a broad knowledge of technical management.
- Analyze technical management/business management problems.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
FINC400	Principles of Financial Management	3
INFO331	Management Information Systems	3
ITMG322	Project Management Using MS Project	3
MGMT410	Strategic Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		15

Concentration in Technical Resource Management (15 semester hours)

The technical resource management concentration introduces the student to the systematic approaches to solving technical systems problems. Students will learn to identify cost-savings, logical approaches to dealing with increasing business and management resource demands. Students will also focus on business critical thinking strategies, financial management, budget development, and human resource development.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate organizational technical management problems.
- Develop proficiency in handling complex technical development concepts, to include the latest computer software tools and technologies.
- Analyze project scheduling and resource management functions.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN333	Project Management for Business Analysts	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
FINC400	Principles of Financial Management	3
FINC405	Budget Development and Execution	3
HRMT407	Human Resource Management	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT495	Senior Seminar in Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Criminal Justice

The Bachelor of Arts in Criminal Justice provides you with sound knowledge in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings enable you to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures and techniques, leadership, maritime law, or forensics. This bachelor's degree will enhance your professional career path if you are currently in the criminal justice field, or can help to prepare you for a new career as a criminologist, agent, or investigator in federal, state or local law enforcement, judicial, and other organizations.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

Note: for a more in-depth study in forensics, consider our Criminal Justice B.S. degree.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		15
General Concentration (p. 164)		
Entrepreneurship (p. 165)		
Maritime Law Enforcement (p. 165)		
Organizational Law Enforcement Leadership (p. 166)		
Final Program Requirements		3

Elective Requirements	42
Total Semester Hours	120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
ECON101	Microeconomics	
ECON102	Macroeconomics	

EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	

MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
CMRJ201	Criminal Justice Administration	3
SSGS300	Research Design and Methods	3
CMRJ302	U.S. Law Enforcement	3
CMRJ303	Criminology	3
CMRJ306	Criminal Investigation	3
CMRJ308	Ethics in Criminal Justice	3
CMRJ316	Corrections and Incarceration	3
LSTD301	Constitutional Law	3
LSTD302	Criminal Law	3
LSTD400	Criminal Legal Process	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Entrepreneurship, Concentration in Maritime Law Enforcement, or the Concentration in Organizational Law Enforcement Leadership.

General Concentration Requirements (15 semester hours)

This general concentration allows you to select from many different concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 5 courses from the following:		15
ANTH203	Introduction to Forensic Anthropology	
CMRJ100	Introduction to Law Enforcement	
CMRJ101	Evidence and Procedures	
CMRJ202	Stress Management in Law Enforcement	
CMRJ203	Patrol Methodologies & Community Policing	
CMRJ205	Rape and Sexual Violence	

CMRJ206	Juvenile Delinquency
CMRJ317	Probation and Parole
CMRJ320	Law Enforcement Intelligence Applications
CMRJ322	Crime and the Family
CMRJ324	The History of Organized Crime
CMRJ329	Criminal Profiling
CMRJ335	Crime Analysis
CMRJ341	Criminalistics
CMRJ402	The Pathology of Death Investigations
COMM240	Intercultural Communication
COMM285	Interpersonal Communications
EDMG230	Emergency and Disaster Incident Command
INTL411	International Criminal Organizations
INTL431	Criminal Intelligence Analysis
LSTD204	Introduction to the Courts
LSTD453	Evidence
SCMT319	Global Terrorism
SCMT370	Principles and Theory of Security Issues
SSGS490	Independent Study
Total Semester Hours	15

Concentration in Entrepreneurship (15 semester hours)

Brings the knowledge, skills, and abilities of the entrepreneur or small business owner to the study of Criminal Justice. Examines key concepts and principles of the successful small business owner including leadership practices, idea feasibility, funding, and customer service.

Code	Title	Semester Hours
ENTR150	Idea Generation	3
ENTR200	Leadership in Small Business Ventures	3
ENTR312	Social Entrepreneurship	3
ENTR315	Financing a New Venture	3
ENTR340	Small Business Customer Service	3
Total Semester Hours		15

Concentration in Maritime Law Enforcement (15 semester hours)

Analyzes policy and operational strategies used to ensure the security of border and coastal access including defensive measures to protect ports from disruption. Explores laws and doctrines governing navigation and shipping, as well as the law of the sea. Looks at chemical, biological, and radiological classification and response to incidents involving hazardous materials.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze various policy and operational strategies used to ensure the security of border and coastal access.
- Examine ports to trade and their vulnerability to disruption and attack, as well as defensive measures to protect ports from disruption.
- Identify chemical, biological, and radiological bases for classification of, and emergency response to incidents involving, hazardous material.

- Assess the impact of terrorism on U.S. national security.
- Explore the laws and doctrines governing navigation and shipping, as well as the law of the sea.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
EDMG240	Chemistry of Hazardous Materials	3
HLSS311	Border and Coastal Security	3
HLSS312	Port Security	3
INTL451	Terrorism and U.S. National Security	3
LSTD401	Maritime Law	3
Total Semester Hours		15

Concentration in Organizational Law Enforcement Leadership (15 semester hours)

Provides a solid foundation in the leadership process and its benefits to law enforcement, including identifying one's personal style, judging the value of diversity in leadership roles, and making socially responsible decisions. Topics include gender roles in leadership, conflict resolution, human resource innovation in the workplace, budgeting, and managing an organization during a paradigm shift.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify your personal leadership style and explain the benefits of your leadership style on the organization.
- Analyze necessary organizational leadership skills in given situations and prepare a plan of action for improving organizational leadership abilities.
- Contrast the value of diversity and apply its strengths in leadership roles.
- Develop critical thinking skills about decisions in a manner that is socially responsible and responsive.
- Demonstrate a persuasive and collaborative approach which encourages a teaming environment.
- Employ organizational accountability to build innovative organizations that respond to ever changing environments.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
FINC405	Budget Development and Execution	3
HRMT407	Human Resource Management	3
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CMRJ499	Senior Seminar in Criminal Justice (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied to a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Criminal Justice - Momentum

With this Momentum program, instead of attending classes, you'll work with faculty mentors to demonstrate your mastery in one competency area and move to the next until you complete your degree. You must have a conferred associate degree (A.A. or A.S.) from an accredited college to enroll in this program. To learn more about Momentum, contact an admissions representative or your academic advisor.

The Bachelor of Arts in Criminal Justice provides you with sound knowledge in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings enable you to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures and techniques, leadership, maritime law, or forensics. This bachelor's degree will enhance your professional career path if you are currently in the criminal justice field, or can help to prepare you for a new career as a criminologist, agent, or investigator in federal, state or local law enforcement, judicial, and other organizations.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

Note: for a more in-depth study in forensics, consider our Criminal Justice B.S. degree (http://www.amu.apus.edu/academic/schools/security-and-global-studies/bachelors/criminal-justice-bs.html).

Degree Requirements (60 semester hours)

A conferred associate of arts or associate of science degree (or higher degree) is required for admission into any Momentum program. This conferred degree fulfills the first 60 credits toward the Momentum bachelor's degree.

Momentum Requirements (61 semester hours)

CMRJ201 - Criminal Justice Administration

- CMRJ201A - Criminal Justice Components: Explain how the three (3) major components of the criminal justice system (police, courts, and corrections) work together to create system outcomes.
- CMRJ201B - Use of Force Continuum in Criminal Justice: Explain the use of force continuum and how to determine the level of force needed.
- CMRJ201C - Professional Discretion in Criminal Justice: Illustrate how criminal justice professionals within the court systems use discretion in their every-day decisions with suspects.
- CMRJ201D - Alternative Sanctions in Criminal Justice: Analyze the utilization of alternative sanctions in sentencing.

SSGS300 - Research Design and Methods

- SSGS300A - Research Standards in Criminal Justice: Conduct research using academically accepted standards in criminal justice writing and research.
- SSGS300B - Sources in Criminal Justice Research: Identify appropriate primary and secondary sources of data in criminal justice research.
- SSGS300C - Qualitative and Quantitative Research Methods in Criminal Justice: Compare and contrast qualitative and quantitative research methods as applied to criminal justice research.

CMRJ100 - Introduction to Law Enforcement

- CMRJ100A - Historical Evolution of the Criminal Justice System: Summarize the historical evolution of the American criminal justice system.
- CMRJ100B - Policing Strategies in Law Enforcement: Compare and contrast the types of policing strategies in law enforcement.
- CMRJ100C - The Legislative & Judicial Branches in Law Enforcement: Explain how the legislative and judicial branches of government can affect law enforcement operations, policies, and procedures.

CMRJ101 - Evidence and Procedures

- CMRJ101A - Role of Investigators: Explain the role investigators serve within the various stages of a criminal investigation.
- CMRJ101B - Evidence - From Crime Scene to Court Proceeding: Explain how evidence is identified and transitions from crime scene to court proceedings.
- CMRJ101C - Evidence Types in Criminal Investigation: Identify the various types and sources of evidence commonly used in a criminal investigation.

CMRJ303 - Criminology

- CMRJ303A - Criminal Justice Theory: Outline the evolution of criminal justice theory and describe how theory is utilized to determine responses to crime during different eras.
- CMRJ303B - Classical and Positivist Theories of Criminal Behavior: Distinguish between classical and positivist theories of criminal behavior.
- CMRJ303C - Criminal Behavior in Criminal Justice Policy: Explain how biological, psychological, and sociological explanations of criminal behavior have impacted the development of criminal justice policy.

LSTD301 - Constitutional Law

- LSTD301A - The Constitution in the Application of Law: Summarize the responsibilities of each of the three branches of government and explain the role of the U.S. Supreme Court in determining how the Constitution is interpreted and applied to law.
- LSTD301B - Supreme Court Interpretations of the Constitution: Produce a legal brief that critiques how the U.S. Supreme Court has interpreted the Constitution in rendering a landmark decision.
- LSTD301C - Civil Rights and Liberties: Describe the civil rights and liberties afforded to U.S. citizens by the U.S. Constitution.

LSTD302 - Criminal Law

- LSTD302A - Criminal and Civil Law: Apply the tenets of criminal and civil law to explain the concepts related to both including an explanation of how they differ.
- LSTD302B - Federal and State Court Systems: Illustrate the roles of federal and state government court systems describing how they are used in interpreting and applying the Constitution and formulating case law.
- LSTD3023C - Classification of Crime: Deconstruct crime by providing classifications of the types of crime (including those against property, persons, the public and the government), elements involved in crime, and how one becomes party to a crime.

LSTD400 - Criminal Legal Process

- LSTD400A - Supreme Court Interpretation of the 4th Amendment: Critique the U.S. Supreme Court's interpretation of the 4th Amendment and the impact of that interpretation on law enforcement procedures.
- LSTD400B - Impact on Practice of the 4th & 5th Amendments: Summarize the rules, practices and procedures mandated by the 4th and 5th Amendments.
- LSTD400C - Criminal Court Proceeding: Summarize the phases of criminal court proceeding from arrest to conviction and describe remedies used for violations of rights in this process under the U.S. Constitution.

CMRJ302 - U.S. Law Enforcement

- CMRJ302A - Managerial Theories and Styles of Policing: Distinguish between the styles of department and individual policing and relate those to police managerial theories, skills and overall police sub-culture.
- CMRJ302B - Evolution of Law Enforcement and Policing: Discuss the evolution of law enforcement and how agencies select, prepare and train officers for duty.
- CMRJ302C - Ethics and discretion: Explain the role of ethics and police discretion within community policing ideology and practice.

CMRJ316 - Corrections and Incarceration

- CMRJ316A - Institutional Sentencing Philosophies in Criminal Justice: Evaluate the effectiveness of various institutional sentencing philosophies and punishments used in corrections.
- CMRJ316B - Legal Principles and Criminological Theories in Corrections: Explain how legal principles and criminological theories govern corrections at the federal, state, and local levels.
- CMRJ316C - Corruption in Correctional Facilities: Critique how corrections facilities deal with corruption among correctional personnel, influence of security threat groups, and health issues associated with older inmates.

CMRJ308 - Ethics in Criminal Justice

- CMRJ308A - Leadership Styles and Ethical Behavior in Criminal Justice: Compare and contrast two leadership styles and their impact on motivating ethical behavior of personnel.
- CMRJ308B - Ethical Decision Making in Criminal Justice: Examine ethical decision making and its application in criminal justice.
- CMRJ308C - Ethical Leadership Strategies: Summarize the strategies utilized by criminal justice leaders to instill ethical decision making in personnel.

CMRJ306 - Criminal Investigation

- CMRJ306A - Preservation of Evidence: Explain at least three important steps a first responder at a crime scene needs to take in order to preserve evidence.
- CMRJ306B - Criminal Investigation and the Crime Lab: Discuss the evolution of criminal investigation and the role of the crime lab in the criminal justice system.

- CMRJ306C - DNA in Criminal Investigation: Assess the impact of the use of DNA on the criminal investigation process.

CMRJ205 - Rape and Sexual Violence

- CMRJ205A - Sexual Violence & Sex Crimes: Identify the standards, terms, theories, and issues related to the sociological, psychological, and legal implications of sexual violence and sex crimes.
- CMRJ205B - Sex Offenders & Treatment Programs: Compare and contrast the community problems faced by juvenile versus adult sex offenders, and the available treatment programs for each group.
- CMRJ205C - Investigation & Prosecution of Sex Crimes: Define the terms, tools, and procedures used to identify, investigate, and prosecute sexually violent crimes.

CMRJ206 - Juvenile Delinquency

- CMRJ206A - The Juvenile Justice System: Outline the history and origins of the juvenile justice system in the U.S.
- CMRJ206B - Juvenile Delinquency: Outline the major theories and external factors which impact juvenile delinquency.
- CMRJ206C - Treatment Approaches for Juvenile Offenders: Critique the effectiveness of treatment approaches and programs for juvenile offenders.

CMRJ329 - Criminal Profiling

- CMRJ329A - The Criminal Profiling Discipline: Summarize the theories, indicators, and procedures utilized by the criminal profiling discipline.
- CMRJ329B - The Criminal Profiler: Describe the roles and responsibilities of a criminal profiler framed as both an art and a science.
- CMRJ329C - Serial and Non-serial Criminal Offenders: Describe behavioral characteristics associated with serial and non-serial criminal offenders.

CMRJ202 - Stress Management in Law Enforcement

- CMRJ202A - Stress in the Criminal Justice Profession: Outline the types of, causes, and strategies in resolving stress experienced by criminal justice personnel.
- CMRJ202B - Health risks of Stress in the Criminal Justice Profession: Identify the symptoms and health risks of stress experienced by criminal justice personnel.
- CMRJ202C - Stress Resolution in the Criminal Justice Profession: Analyze the effectiveness of programs, policies, and practices in resolving stress experienced by criminal justice personnel.

CMRJ203 - Patrol Methodologies & Community Policing

- CMRJ203A - Roles and responsibilities of the U.S. Law Enforcement Officer: Summarize the evolution of roles and responsibilities of the U.S. law enforcement officer.
- CMRJ203B - Contemporary Patrol Procedures: Explain the principles, methods, and legal issues which impact contemporary patrol procedures.
- CMRJ203C - Policing Tactics in the Patrol Function: Identify the current policing tactics used to perform the patrol function.

CMRJ341 - Criminalistics

- CMRJ341A - Evidence Collection: Outline the procedures and techniques utilized to identify, collect and process evidence for use in criminal proceedings.
- CMRJ341B - Evidence in Criminal Proceedings: Critique the evaluation, examination, testing and utilization of evidence in criminal proceedings.
- CMRJ341C - Crime Lab: Summarize the services offered by the typical comprehensive crime lab found in the criminal justice system.

CMRJ324 - The History of Organized Crime

- CMRJ324A - Types of Organized Crime: Identify the types of crimes historically committed by organized crime groups.
- CMRJ324B - Organized Crime Groups: Summarize the types of domestic and transnational organized crime groups and key historical events in the evolution of organized crime.
- CMRJ324C - Criminological Theories in Organized Crime: Describe how criminological theory and major statues and legislation have been applied in efforts to control organized crime.

CMRJ335 - Crime Analysis

- CMRJ335A - Crime Analysis: Summarize the evolution of crime analysis to include the tools, training, techniques, and procedures.
- CMRJ335B - Analytical Techniques in Crime Analysis: Summarize the analytical techniques used by analysts in criminal justice investigations.
- CMRJ335C - Criminal Analysis in Crime Prevention: Apply criminal analysis and reporting techniques in crime prevention.

Total = 121 semester hours

Bachelor of Arts in Emergency and Disaster Management

The Bachelor of Arts in Emergency and Disaster Management offers a practical education designed to prepare you for a full spectrum of careers in emergency management and public safety. It introduces you to the all-hazards approach and provides an in-depth understanding of risk assessment, hazard identification, prevention and management techniques, the multiple phases of emergency and disaster management, and counterterrorism. It also covers the prevention, management, mitigation, and recovery from man-made and natural disasters. From the smallest incident to the largest catastrophe, our emergency and disaster management program stresses the fact that all disasters are local, which is a foundational emergency management concept.

This program is recognized by the Foundation of Higher Education for Disaster and Emergency Management and Homeland Security. The university is the first online institution to receive this important distinction. In addition, this program is taught by highly credentialed and experienced instructors, many who are board-certified emergency managers (CEM) or who hold key positions in government agencies or national safety and security organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify the goals of disaster management from prevention/reduction of loss due to hazards, disasters, and emergencies.
- Differentiate between response strategies for the various emergency and disaster incidents.
- Examine the phases of the cycle of disasters.
- Compare and contrast the roles and responsibilities of the individuals and agencies in an emergency and disaster incident.
- Analyze factors and coping strategies involved in emergencies and disasters.
- Demonstrate emergency and disaster preparedness from planning to recovery.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
General Concentration (p. 176)		24
Final Program Requirements		3
Elective Requirements		33
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	

ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	

Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN137	Introduction to Meteorology with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
EDMG101	Introduction to Emergency Management	3
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
EDMG259	Hazard Mitigation and Preparedness	3
SSGS300	Research Design and Methods	3
EDMG320	Natural Disaster Management	3
EDMG321	Social Media Application to Emergency and Disaster Management	3
EDMG330	Managerial Issues in Hazardous Materials	3
EDMG340	Consequence Management	3

PSYC431	Psychology of Disaster	3
Total Semester Hours		30

General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
PBHE413	Special Operations in Emergency Medical Services	
EDMG240	Chemistry of Hazardous Materials	
HLSS154	Mind of a Terrorist	
HLSS211	Emergency Response to Terrorism	
HLSS212	Chemical, Biological, and Radiological Hazards	
HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS230	Chemistry of Explosives	
HLSS231	History of Explosive Ordnance Disposal	
HLSS232	Electronics, Electricity, and Explosives	
HLSS233	Explosive Incident Assessment: Methods, Practices, Protocols	
EDMG420	Risk Communications	
HLSS302	Introduction to Homeland Security and Defense	
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
PBHE426	Quarantine	
TLMT381	Hazardous Materials Management	
SSGS490	Independent Study	
Total Semester Hours		24

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
EDMG498	Senior Seminar in Emergency & Disaster Mgmt. [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Emergency and Disaster Management - Momentum

With this Momentum program, instead of attending classes, you'll work with faculty mentors to demonstrate your mastery in one competency area and move to the next until you complete your degree. You must have a conferred associate degree (A.A. or A.S.) from an accredited college to enroll in this program. To learn more about Momentum, contact an admissions representative or your academic advisor.

The Bachelor of Arts in Emergency and Disaster Management offers a practical education designed to prepare you for a full spectrum of careers in emergency management and public safety. It introduces you to the all-hazards approach and provides an in-depth understanding of risk assessment, hazard identification, prevention and management techniques, the multiple phases of emergency and disaster management, and counterterrorism. It also covers the prevention, management, mitigation, and recovery from man-made and natural disasters. From the smallest incident to the largest catastrophe, our emergency and disaster management program stresses the fact that all disasters are local, which is a foundational emergency management concept.

This program is taught by highly credentialed and experienced instructors, many who are board-certified emergency managers (CEM) or who hold key positions in government agencies or national safety and security organizations.

Degree Requirements (60 semester hours)

A conferred associate of arts or associate of science degree (or higher degree) is required for admission into any Momentum program. This conferred degree fulfills the first 60 credits toward the Momentum bachelor's degree.

Momentum Requirements (62 semester hours)

SSGS - Research, Analysis, and Writing

- SSGS300A - Research Problem: Identify a research problem in the student's discipline.
- SSGS300B -Scholarly Research: Demonstrate the ability to conduct scholarly research in the student's discipline.
- SSGS300C - Formal Research Paper: Produce a well-researched and correctly formatted and referenced paper in the student's particular discipline.

EDMG101 - Introduction to Emergency Management

- EDMG101A - History of Emergency Management: Summarize the history of emergency management as a professional practice and explain the functional operation of emergency management programs.
- EDMG101B - Emergency Management Systems, Programs, and Personnel: Explain the role of integrated emergency management systems and the duties of key personnel in each phase of emergency management.
- EDMG101C - Natural, Technological, & Man-Made Hazardous Community Risks: Identify specific risks posed by natural, technological, and man-made hazards.

HLSS302 - Introduction to Homeland Security and Defense

- HLSS302A - Homeland Security Introduction: Explain homeland security and its associated risk management operations as defined by U.S. national security policy.

- HLSS302B - Infrastructure Protection Programs: Outline the U.S. critical infrastructure protection programs.
- HLSS302C - Capabilities & Limitations of the Homeland Security System: Illustrate the capabilities and limitations of the homeland security system.

SCIN137 - Introduction to Meteorology with Lab

- SCIN137A - Weather and Climate: Explain the differences between weather and climate.
- SCIN137B - Methodologies and Technologies in Weather: Identify the methodologies and technologies used to monitor and forecast weather conditions.
- SCIN137C - Physics in Meteorology and Atmospheric Science: Describe the role the laws of physics play in meteorology and atmospheric science.

EDMG220 - Emergency Planning

- EDMG220A - Emergency Management Process: Identify the stages in emergency management processes, and illustrate the relationships between disaster planning, mitigation, and recovery.
- EDMG220B - Multi-Agency Roles in Emergency Situations: Explain the responsibilities of various agencies and mandates pertaining to emergency disaster, planning, and mitigation.
- EDMG220C - Hazards in Emergency Situations: Explain the processes involved in an emergency response to community hazardous situations, including the role of emergency personnel in community disaster planning and recovery.
- EDMG220D - Emergency Operations Plan (EOP): Identify the requirements for an effective Emergency Operations Plan (EOP).

EDMG230 - Emergency and Disaster Incident Command

- EDMG230A - Incident Command System: Demonstrate proficiency with the functional areas, responsibilities, and terms associated with an incident command system.
- EDMG230B - Best Practices in Incident Management: Analyze past emergency incidents to determine best practices in incident management which minimize negative impact on the community and responders.
- EDMG230C - Current State of Emergency Management: Analyze the current state of emergency management to improve practice.
- EDMG230D - Emergency Operation Responsibilities: Differentiate the roles and responsibilities of agencies and individuals involved in emergency management.

HLSS211 - Emergency Response to Terrorism

- HLSS211A - Terrorist Threat and Emergency Responders: Describe the terrorist threat to the U.S., including tactics aimed at first responders.
- HLSS211B - CBRNE and Emergency Response: Explain the threat of Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) weapons to society and the role of the emergency response community in handling incidents involving these weapons.
- HLSS211C - History of Post-Cold War Terrorism in the U.S.: Outline the history of post-Cold War terrorism as it relates to the U.S.

EDMG240 - Chemistry of Hazardous Materials

- EDMG240A - Chemical Families: Identify the major chemical families and individual chemicals, and describe the potential hazards and reactions associated with each.
- EDMG240B - Hazardous Materials: Describe the hazards associated with each of the following: explosives, compressed gases, flammable materials, poisons, toxic materials, and radiation.
- EDMG240C - Material Safety Data Sheets: Describe the information on hazardous chemical products required on Material Safety Data Sheets (MSDS).

HLSS212 - Chemical, Biological, and Radiological Hazards

- HLSS212A - CBRN Weapons: Describe chemical, biological, radiological, and nuclear (CBRN) weapons and the methods used to prepare for, respond to, and recover from the effects of these weapons.
- HLSS212B - Current CBRN Threat Landscape: Identify basic threats associated with CBRN weapons.
- HLSS212C - Identifying Risk of CBRN Use: Analyze past use of CBRN weapons to identify risk of CBRN use.

EDMG259 - Hazard Mitigation and Preparedness

- EDMG259A - Planning for Hazards and Disasters: Compare and contrast hazards and disasters, including management techniques for both types of situation.
- EDMG259B - Mitigation Programs, and Strategies: Identify mitigation strategies and explain the role of local, tribal, state, and federal government in hazard mitigation programs.
- EDMG259C - Public Policy Decisions in Disaster Management: Explain the mitigation and preparedness strategies involved in making a community more resilient against the impacts of a disaster.

EDMG320 - Natural Disaster Management

- EDMG320A - Public Policy Decision in Disaster Management: Critique public policy decisions regarding the roles and responsibilities of agencies in preparation, mitigation, management, and economic impact of natural disasters.
- EDMG320B - Disaster Risk Reduction & Community Vulnerability: Identify the key challenges in disaster risk reduction and explain variation in community vulnerability.
- EDMG320C - Protective & Mitigation Measures: Describe the protective and mitigation measures used to address man-made and natural disasters.

HLSS311 - Border and Coastal Security

- HLSS311A - International Border Protection: Deconstruct the political, social, and economic implications of international border protection.
- HLSS311B - Legislation & Government Strategies in Border Security: Summarize the legislation and governmental strategies which aim to identify vulnerability in costal and border security.

- HLSS311C - International Border Protection Policies: Compare the similarities and differences between the external borders of New Europe and the U.S.-Mexico border.

HLSS312 - Port Security

- HLSS312A - U.S. Port Security Strategies: Outline legislation and governmental strategies used to highlight vulnerabilities and secure U.S. ports.
- HLSS312B - Port Security Challenges: Identify the political, social, and environmental challenges related to port security.
- HLSS312C - Port Management Security: Explain the importance of port management security.

EDMG321 - Social Media Application to Emergency and Disaster Management

- EDMG321A - Social Media Communications in Disasters: Prepare social media communications using various social media outlets that would support emergency management, homeland security, and public health emergency operations in a disaster situation.
- EDMG321B - Limitations and Misinformation in Social Media Outlets: Describe the effects of misinformation and the limitations of social media use in emergency management operations.
- EDMG321C - Communication Strategies: Devise effective communication strategies for each phase of emergency management.

EDMG330 - Managerial Issues in Hazardous Materials

- EDMG330A - Hazmat Laws, Regulations, and Standards: Explain the differences and similarities between local, state, and federal laws, regulations and standards concerning hazmat.
- EDMG330B - Hazmat/Terrorist Incident Planning: Explain the process of planning, organizing, and training for hazmat/terrorist incidents.
- EDMG330C - Incident Command Organizational Structure: Develop a comprehensive incident command organizational structure for a hazmat response following the National Incident Management System (NIMS) guidelines.

EDMG340 - Consequence Management

- EDMG340A – Terrorism: Compare and contrast the various definitions of terrorism.
- EDMG340B - CBRNE Agents: Describe the Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) agents and the public health consequences of each.
- EDMG340C - Management of CBRNE Incidents: Identify the current measures in place in your region for emergency planning and response along with the emerging detection and management technologies currently available to emergency managers/responders for CBRNE incidents.

EDMG420 - Risk Communications

- EDMG420A - Risk and Crisis Communications: Compare and contrast risk communication and crisis communication in emergency disaster operations.
- EDMG420B - Crisis Communication Plan: Prepare a comprehensive Crisis Communication Plan for an organization.
- EDMG420C - The Media and Crisis Communications: Explain the different roles of the media and affected stakeholders in crisis communications.

PBHE413 - Special Operations in Emergency Medical Services

- PBHE413A - Unified Command: Outline the benefits of unified command for multiple jurisdictional response situations.
- PBHE413B - START Triage System: Apply the components of the START triage system to various natural and man-made disasters.
- PBHE413C - Disaster Incidents: Compare and contrast emergency response to common emergencies versus mass casualty and disaster incidents.

PBHE426 - Quarantine

- PBHE426A - Public Health Services Delivery: Analyze ethical, legal, and sociological aspects of public health services delivery.
- PBHE426B - Control of Communicable Diseases: Compare and contrast ancient and modern methods for the control of communicable diseases.
- PBHE426C - Quarantine and Isolation in Bioterrorism: Explain the place of quarantine and isolation in bioterrorism preparedness and response.

PSYC431 - Psychology of Disaster

- PSYC431A - Human Response to Disaster: Explain the variance in expected biological, cognitive, emotional, behavioral, and interpersonal responses to disaster.
- PSYC431B - Psychological Responses of Disaster Survivors: Assess the psychological risk factors and protective measures that predict the severity of distress and disruption after a disaster and the responses, symptoms, and needs of survivors including children and adolescents.
- PSYC431C - Mental Health Care Interventions: Evaluate the mental health care interventions for victims and responders following a disaster.

Total = 122 semester hours

Bachelor of Arts in English

The Bachelor of Arts in English teaches you to organize thoughts and ideas, and express them with eloquence and clarity as you explore English, American, and world literature. It also places an emphasis on preparing you to be successful in a variety of professions where exceptional communications skills are valued, such as public relations, editing, writing, reporting, legal, and research. A concentration in writing techniques addresses specific audiences in creative, technical, and professional arenas, and gives you the opportunity to develop articles and other writing samples as part of a portfolio.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

Expression and Communication

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Conduct an analysis of a literary work and discuss the history and characteristics of various periods and genres.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Demonstrate knowledge of literature in the British and American canon and beyond, in order to apply their interpretations against their own cultural experience.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		18
General Concentration (p. 185)		
Concentration in Writing (p. 185)		
Final Program Requirements		3
Elective Requirements		39
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	

DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL101	Proficiency in Writing (Required)	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
ENGL230	Introduction to Linguistics	3
COLL300	Research, Analysis, and Writing	3
ENGL401	History of the English Language	3
LITR310	British Fiction	3
LITR316	British Poetry	3
LITR320	American Fiction	3
LITR322	American Poetry I	3
LITR330	Literary Theory	3
LITR402	Shakespeare: An Author for the Ages	3
Select 1 course from the following:		3
LITR403	The Work and Life of Ernest Hemingway	
LITR404	Mark Twain	
Total Semester Hours		30

Students must choose a concentration for this degree program and may select the General Concentration or the Concentration in Writing.

General Concentration (18 semester hours)

Allows you to select 6 courses from a list of courses in writing and literature, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 6 courses from the following:		18
COMM350	Journalism	
ENGL120	Creative Writing	
ENGL220	Technical Writing	
ENGL225	Business Writing	
ENGL320	Freelance Writing	
ENGL322	The Personal Essay	
ENGL420	Advanced Creative Writing	
LITR324	African-American Literature	
LITR341	Folklore	
LITR355	Latin American Literature	
LITR365	Middle Eastern Literature	
Total Semester Hours		18

Concentration in Writing (18 semester hours)

Focuses on developing your writing skills by enabling you to select 6 writing courses in a variety of genres. Gives you the opportunity to develop writing samples as part of a portfolio.

Code	Title	Semester Hours
ENGL120	Creative Writing	3
COMM350	Journalism	3
Select 4 courses from the following:		12
ENGL220	Technical Writing	
ENGL225	Business Writing	
ENGL320	Freelance Writing	
ENGL322	The Personal Essay	
ENGL420	Advanced Creative Writing	
Total Semester Hours		18

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ENGL498	Senior Seminar in English (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Entrepreneurship

The Bachelor of Arts in Entrepreneurship offers you a practical, hands-on understanding of what it takes to be a successful entrepreneur in today's competitive marketplace. You'll learn about leveraging business opportunities into viable business entities as you study idea generation, marketing, management, operations, capital funding, and the legal aspects of beginning a new venture. This bachelor's degree program is ideal if you plan to start your own venture, take over a family-owned company, or work within a startup organization.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Establish entrepreneurial factors affecting the product and service environments.
- Identify theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), regulations, and employment law to entrepreneurial business enterprises.
- Construct an entrepreneurial business strategy based on in depth analysis of internal and external factors and competitive and environmental forces.
- Apply critical thinking and decision-making skills to develop alternatives and solve problems objectively.
- Analyze various methods necessary to grow an entrepreneurial venture through capital funding options.
- Recommend a strategic plan to support an entrepreneurial business that leverages its overall business strategy.
- Evaluate analytical skills necessary to operate a business efficiently and effectively that meet strategic planning and goals.
- Determine best practices for gaining potential employees and maintaining current employees.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		39
Select one of the following concentrations:		12
	General Concentration (p. 190)	
	Food and Beverage Industry (p. 191)	
	Retail Industry (p. 192)	
	Small Business (p. 192)	
	Sports Fitness (p. 193)	
Final Program Requirements		3
Elective Requirements		36
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
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FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	

SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH120	Introduction to Statistics	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (39 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
ENTR150	Idea Generation	3
ENTR215	Innovation Design and Prototyping	3
ENTR210	Entrepreneurs as Leaders	3
ENTR300	Foundations of Entrepreneurship	3
ENTR311	Business Plan Foundations	3
ENTR427	Technological Innovation	3
ENTR320	Practical Law for the Entrepreneur	3
ENTR315	Financing a New Venture	3
ENTR410	Money Management for Entrepreneurs	3
ENTR426	Strategic Growth	3
ENTR416	Innovative Marketing	3
ENTR312	Social Entrepreneurship	3
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a General concentration, Concentration in Food and Beverage Industry, Concentration in Retail Industry, Concentration in Small Business, or Concentration in Sports Fitness.

General Concentration (12 semester hours)

This concentration is designed to equip graduates with a practical, hands-on understanding of what it takes to run a successful business in today's business environment. Students will learn about leveraging and a variety of business opportunities into viable business entities. Studies include marketing, management, operations, finance, accounting, and the legal aspects of running a business. This concentration is applicable for any student who has a desire to start his/her own business, plans to take over a family owned business, or otherwise works in an entrepreneurial enterprise.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to entrepreneurial business enterprises.
- Compose an entrepreneurial business strategy based on in depth analysis of internal and external factors and competitive and environmental forces.
- Apply critical thinking and decision-making skills by collecting data through various research tools in order to develop alternatives and solve problems objectively.
- Practice quantitative skills necessary in to grow an entrepreneurial business through work in accounting, finance, and statistics.
- Develop a marketing plan to support an entrepreneurial business that leverages its overall business strategy.
- Practice analytical skills necessary to operate a business efficiently and effectively.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ENTR216	Service Innovation and Delivery	3
ENTR310	The Family Owned Business	3
ENTR313	Non-Profit Entrepreneurship	3
ENTR421	The Value of Networking	3
Total Semester Hours		12

Concentration in Food and Beverage Industry (12 semester hours)

The restaurant industry is the second largest private-sector employer in the United States, and it adds jobs at a stronger rate than all other industries combined. By 2023, the restaurant industry is projected to add 1.3 million jobs (National Restaurant Association, 2015). In 2015 alone, restaurants are expected to add over 300,000 jobs. Further, restaurant industry sales account for 4% of the U.S. gross GDP. Starting and owning their own food and/or drink establishment is one of the top three goals of our current entrepreneurship students.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Recognize skills and knowledge necessary to advance within the food and service industry.
- Design food safety techniques that can be used to prevent the outbreak of foodborne illness.
- Describe typical production and service positions.
- Describe procedures for serving alcohol with care.
- Describe food service industry trends in nutrition and health.
- Develop a nutritional plan using the four characteristics of a nutritious diet.
- Design and implement cost control systems as they relate to foodservice operations.
- Evaluate the manager's role in establishing service standards and develop methods to motivate employees to keep the customer's dining experience at the highest priority.
- Develop menus, and analyze recipes, their structures and conversion properties.
- Demonstrate the ability to evaluate design proposals prepared by professionals in relation to principles of effective design.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
HOSP200	Food and Beverage Management	
HOSP202	Quantity Food Preparation	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP304	Nutrition in the Food Service Industry	
HOSP316	History and Culture of Wine	
HOSP319	Foodservice Facilities Design	
Total Semester Hours		12

Concentration in Retail Industry (12 semester hours)

As the retail industry grows, innovation will be key to growth, expansion, and survival. To grow and differentiate, retailers need to look beyond traditional formats, products, and services, according to Deloitte's 2015 Retail Industry Outlook. According to the National Retail Federation, Retail directly and indirectly supports 42 million jobs, provides $1.6 trillion in labor income and contributes $2.6 trillion annually to U.S. GDP. Further, close to 40% of all retail employees work for small business retailers.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Define the importance of retail strategy formulation and the impact of retailing on the economy in the global environment.
- Examine and identify the retailing process and how today's managers assess and implement strategies used in the management of information technology, financial, and human resources.
- Explore and examine analytical techniques for diagnosing the competitive position of retail focused strategy, and identifying and analyzing specific retail options.
- Explore and examine major differences between a successful versus poorly run retail operation to include visual communication, store design, employee recruitment, and consumer value propositions.
- Explore and examine the many factors of merchandise blending and how to determine which components are needed for successful assortments for the consumer.
- Explore and examine the dynamic and competitive nature of the retail industry.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
RTMG150	Retail Organization Fundamentals	
RTMG200	Customer Relations	
RTMG201	Retail Inventory Management	
RTMG202	Risk Management	
RTMG300	Retail Strategy	
RTMG301	Retail Innovation	
RTMG302	Retail Operations	
RTMG303	Retail Merchandising Operations	
Total Semester Hours		12

Concentration in Small Business (12 semester hours)

This concentration is designed for students who want to focus on being a small business owner. Graduates examine leadership, customer service, operations, social media, and marketing specific to a small business. Developed to bring specialized knowledge to entrepreneurs, this program will expose students to key concepts and principles to be a successful small business owner.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Summarize employment practices for small business owners.
- Recommend a customer service model for a new small business.

- Conduct appropriate marketing functions for your business venture.
- Assess relevant areas for cost improvement for a small business.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
ENTR200	Leadership in Small Business Ventures	
ENTR340	Small Business Customer Service	
ENTR415	Marketing the Successful Small Business	
ENTR420	Social Media to Grow Small Business	
ENTR425	Operating a Small Business	
ENTR430	Virtual Small Business	
Total Semester Hours		12

Concentration in Sports Fitness (12 semester hours)

The fitness industry is growing and many individuals express an interest in being an entrepreneur in this field. Research shows growth estimates ranging from 9.76 billion dollars in 2008 to a $24 billion industry today. The fitness industry services some 51 million Americans of all ages and income levels. The fitness industry has been forecasted to grow 23% by 2025 and encompasses different types of gyms. Sports fitness is a growing industry due in part to increased awareness of health and wellness. In this concentration, students will focus on wellness, conditioning, trends, and culture.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Discuss factors affecting endurance training and methods for developing endurance.
- Examine the body's responses to weight training, training and conditioning, and strength training exercises.
- Analyze the health benefits gained from strength training.
- Apply concepts related to health promotion and disease prevention.
- Design a functional training program.
- Examine the issues and trends associated with fitness and wellness.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
PBHE209	Wellness: Health Promotion and Disease Prevention	
SPHE295	Foundations of Nutrition	
SPHE420	Exercise Programming and Testing	
SPHE460	Business Aspects of Fitness and Wellness	
SPHE461	Current Issues and Trends in Fitness and Wellness	
SPHE316	Sports and Recreation Facility Management	
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ENTR498	Entrepreneurship Senior Capstone (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in General Studies

The Bachelor of Arts in General Studies offers you a chance to develop an appreciation of several academic disciplines while helping you to attain baccalaureate-level critical thinking and communication skills. Academic discipline choices include, but are not limited to: business; criminal justice; information management and technology; culture, society, and the environment; national and local security; and liberal and interpretive arts. This degree allows you to build and focus upon unique areas of study without the constraints of a regular major. Graduates of this program apply their skills and abilities in public policy, government, helping professions, human resources, and public relations, and are prepared for graduate studies where the focus will be narrower.

Note: This program does not qualify for Federal Student Aid.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply skills and knowledge gained from the study of different academic disciplines.
- Demonstrate critical thinking and writing skills.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Express knowledge in four different disciplines or fields of study.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		39
Final Program Requirement		3
Elective Requirements		48
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	

ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	

ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (39 semester hours)

Select 3 courses from each of the four discipline areas or fields of study below. You are highly encouraged to complete at least 2, if not all 3 courses, from the same prefix to develop your knowledge in that discipline or field of study.

Code	Title	Semester Hours
COLL300	Research, Analysis, and Writing	3
Management and Technology		
Select 3 courses from the following:		9
BUSN310	Business Theory	
BUSN311	Law and Ethics in the Business Environment	
BUSN313	Global and Competitive Strategy	
FINC400	Principles of Financial Management	
FINC405	Budget Development and Execution	
FINC410	International Finance	
HRMT407	Human Resource Management	
HRMT411	Dispute Resolution	
HRMT412	Compensation and Benefits	
HRMT413	Employment and Labor Relations	
INFO321	Database Management Systems	
INFO331	Management Information Systems	
ITMG321	Information Technology Project Management	
ITMG322	Project Management Using MS Project	
ITMG371	Contemporary Internet Topics	
ITMG381	Cyberlaw and Privacy in a Digital Age	
ITMG421	Virtual Management	
MGMT310	Principles and Theory of Management	
MGMT311	Organizational Behavior	
MGMT312	Leadership & Motivation	
MGMT313	Organizational Change	
MGMT314	Management Ethics	
MKTG301	Principles of Sales	
MKTG304	Public Relations	
SPST200	Introduction to Space Studies	
SPST203	History of Space Flight	
SPST304	National Space Organization	
SPST307	Space Policy	
National and Local Security		
Select 3 courses from the following:		9
CMRJ302	U.S. Law Enforcement	
CMRJ303	Criminology	
CMRJ308	Ethics in Criminal Justice	
CMRJ324	The History of Organized Crime	
DEFM305	Acquisition Business Management	
DEFM310	Program and Acquisition Management I	
DEFM311	Program and Acquisition Management II	
DEFM312	Defense Budget Development and Execution	
EDMG320	Natural Disaster Management	
EDMG330	Managerial Issues in Hazardous Materials	

EDMG340	Consequence Management	
EDMG420	Risk Communications	
FSMT321	Community Fire Mitigation and Protection	
FSMT362	Fire Administration and Finance	
FSMT405	Fire Safety and Risk Regulation	
FSMT410	Fire Regulation, Policy, and Law	
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
HLSS320	Intelligence and Homeland Security	
INTL200	Introduction to Intelligence Studies	
INTL301	U.S. Intelligence Community	
INTL304	Intelligence Collection	
INTL402	Intelligence Analysis	
LSTD301	Constitutional Law	
LSTD302	Criminal Law	
LSTD306	International Law	
LSTD400	Criminal Legal Process	
LSTD453	Evidence	
PBHE215	Healthcare: Moral Issues	
PBHE315	Health Economics and Finance	
PBHE413	Special Operations in Emergency Medical Services	
PBHE426	Quarantine	
SCMT370	Principles and Theory of Security Issues	
SCMT371	Legal and Ethical Issues in Security Management	
SCMT373	Evaluation of Security Programs	
SCMT390	Security Administration	
SCMT397	Physical Security	
TLMT311	Introduction to Transportation Management	
TLMT312	Transportation Economics	
TLMT313	Supply Chain Management	
TLMT318	Hazardous Materials Transportation	
TLMT331	Fundamentals of Intermodal Transportation	
Culture, Society, and the Environment		
Select 3 courses from the following:		9
CHFD340	Family Development	
CHFD342	Human Life Span Development	
CHFD350	Family Life Education	
CHFD445	Family Communications	
EDUC320	Classroom Management	
EDUC401	Curriculum Design	
EDUC402	Measurement and Evaluation	
EVSP316	U.S. Federal Environmental Organization	
EVSP320	Energy and Resource Sustainability	
EVSP330	Fish and Wildlife Policies, Programs, and Issues	
EVSP411	Environmental Policy, Regulation, and Law	

EVSP413	Environmental and Ecosystems Management	
IRLS300	Comparative Political Systems	
IRLS301	International Organizations	
POLS311	Political Parties and Interest Groups	
POLS312	State, Local, and Community Politics	
POLS410	Public Policy	
PSYC324	Psychology of Addiction & Substance Abuse	
PSYC343	Adult Development	
PSYC360	Psychology of Terrorism	
PSYC431	Psychology of Disaster	
PSYC432	Psychology of Combat	
SOCI311	Political Sociology	
SOCI315	Food and Culture	
SOCI422	Sociology of the Law	
Liberal and Interpretative Arts		
Select 3 courses from the following:		9
HIST402	Colonial America	
HIST406	Civil War And Reconstruction, 1861-1877	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
HIST415	The Cold War	
LITR316	British Poetry	
LITR320	American Fiction	
LITR322	American Poetry I	
LITR402	Shakespeare: An Author for the Ages	
MILH320	The American Revolution	
MILH355	World War I	
MILH360	World War II	
PHIL300	Logic	
PHIL320	Environmental Ethics	
PHIL400	Contemporary Issues in Philosophy	
PHIL415	Enlightenment Philosophy	
RELS311	Introduction to the Bible	
RELS330	Religions of the Middle East	
RELS350	Hinduism	
RELS351	Buddhism	
RELS405	Myth and Ritual	
Total Semester Hours		39

Final Program Requirement (3 semester hours)

Code	Title	Semester Hours
COLL498	Senior Seminar in General Studies [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (48 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Government Contracting and Acquisition

The Bachelor of Arts in Government Contracting and Acquisition prepares you for careers in the contract management profession, including government contracting within federal agencies or military and civilian defense establishments. In this online degree program, you'll complete simulation-based scenario assignments created from real-world case studies. This program takes advantage of the Contract Management Body of Knowledge (CMBOK) as defined by the National Contract Management Association. Note: This program evolved from the former Military Management and Program Acquisition degree.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain the acquisition cycle and process, and the use and application of a contract audit.
- Explain contract requirements, types of contracts, and contingency contracting authorities and structure.
- Demonstrate how a Defense Contract Audit Agency audit report can be prepared to meet a negotiation objective, along with the workings of a competitive discussion.
- Explain the elements of cost in overhead, and calculate a price and cost objective using simple regression analysis, learning curve analysis, and statistics.
- Explain the FAR requirements for forward pricing rates, billing rates, and final overhead rates.
- Explain the Joint Theater Support Contracting Command (JTSCC).
- Explain ethics standards expected of government and contractor personnel, along with appropriate laws, regulations, and policies for a routine procurement.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		48
Final Program Requirements		3
Elective Requirements		39
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2

ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (48 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
COLL300	Research, Analysis, and Writing	3

BUSN333	Project Management for Business Analysts	3
DEFM305	Acquisition Business Management	3
DEFM310	Program and Acquisition Management I	3
DEFM311	Program and Acquisition Management II	3
DEFM312	Defense Budget Development and Execution	3
DEFM410	Program Appraisal	3
DEFM415	Acquisition Test & Evaluation	3
DEFM420	Cost Analysis and Negotiation Techniques	3
DEFM421	Joint Contingency Contracting	3
DEFM422	Mission Support Contracting I	3
DEFM423	Mission Support Contracting II	3
DEFM424	Overhead Management of Defense Contracts	3
MATH302	Statistics	3
Total Semester Hours		48

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT495	Senior Seminar in Management [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in History

The Bachelor of Arts in History degree explores history's fascinating events, people, and cultures that determined the course of modern civilization. Whether you're interested in the Antiquities, Western Civilization, Colonial or American History, the Civil War, World War II, the Cold War, Middle East history, or an analysis of Iran, this dynamic history program offers compelling choices. This bachelor's program emphasizes critical and analytical thinking, and effective research and writing skills. Graduates with history degrees can be found as curators, archivists, educators, or in professions involving research, writing, editing, advocacy, politics, or historical preservation.

Many university faculty members teaching these courses are published historians who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		9
Select one of the following concentrations:		39
General Concentration (p. 209)		
American History (p. 210)		
European History (p. 211)		
Global History (p. 212)		
Final Program Requirements		6
Elective Requirements		36
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	

LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2

ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant .

Major Required (9 semester hours)

Code	Title	Semester Hours
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
HIST300	Research Methods in History	3
Total Semester Hours		9

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in American History, Concentration in European History, or Concentration in Global History.

General Concentration (39 semester hours)

Students who pursue a General History Concentration are exposed to the social impact, consequences, and changes of various pivotal historical events. They will learn critical and analytical thinking and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover American History, Ancient and Classical History, Diplomatic History, and Global Cultures and History.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify a broad knowledge of historical literature that pertains to the topic of study included in the degree program.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.
- Analyze history from in-depth study of one or more periods, cultures, nations, regions, or seminal events.
- Analyze historical material to make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Demonstrate an understanding of history as a creative art, a subjective discipline and an imaginative interpretation of the past.

Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
HIST301	Ancient Greece	3
HIST302	Ancient Rome	3
HIST402	Colonial America	3
HIST403	The Early Republic, 1783-1815	3
HIST406	Civil War And Reconstruction, 1861-1877	3
HIST350	History of the Middle East	3
HIST310	History of Modern Europe	3
HIST408	The United States: 1900 to Second World War	3
HIST409	The United States: WW II to the Present	3
Select 3 courses from the following:		9

HIST303	The Middle Ages
HIST304	The Renaissance
HIST305	France in the Age of Enlightenment
HIST306	The British Empire
HIST307	The Age of Dictators: Europe 1914-1945
HIST308	History of European Colonialism
HIST480	Special Topic: History
HIST490	Independent Study: History
Total Semester Hours	39

Concentration in American History (39 semester hours)

A student enrolled in the Concentration in American History is recommended to take HIST101 - American History to 1877, and HIST102 - American History after 1877.

Students who pursue a concentration in American History will concentrate on American history from the Colonial Period to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the United States. Topics cover foreign policy and military operations as well as the domestic political, economic, and social components of America.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the philosophy of early American leaders and how this resulted in a break from the British Empire.
- Analyze the reasons America pushed westward and what that expansion entailed.
- Identify and give examples of the causes of the Civil War.
- Differentiate the outcomes of the Civil War in the North and the South.
- Assess the social, economic, and political situation in America leading up to the 20th century.
- Expound upon the technical revolution in America at the turn of the 20th Century.
- Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
- Analyze America's reasoning for joining both World Wars.
- Elaborate on the political background of the Cold War and what factors led to the diplomatic meltdown between the United States and the Soviet Union.
- Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
- Identify major political, cultural, and economic developments in the 1980s, 1990s, and in the 21st Century.

Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST402	Colonial America	3
MILH320	The American Revolution	3
HIST403	The Early Republic, 1783-1815	3
HIST404	Jacksonian America, 1815-1846	3
HIST405	Antebellum America, 1846-1861	3
HIST406	Civil War And Reconstruction, 1861-1877	3
HIST407	The Gilded Age, 1877-1900	3
HIST408	The United States: 1900 to Second World War	3

MILH360	World War II	3
HIST409	The United States: WW II to the Present	3
Select 3 courses from the following:		9
HIST290	History of the Holocaust	
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST303	The Middle Ages	
HIST305	France in the Age of Enlightenment	
HIST306	The British Empire	
HIST308	History of European Colonialism	
HIST310	History of Modern Europe	
HIST320	History of Russia	
HIST340	History of Africa	
HIST350	History of the Middle East	
HIST370	Asia and the Modern World	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH355	World War I	
Total Semester Hours		39

Concentration in European History

A student enrolled in the Concentration of European History is recommended to take HIST121 - Western Civilization before The Thirty Years' Wars, and HIST122 – Western Civilization after the Thirty Years' War as part of their General Education Requirements.

Students who pursue a concentration in European History will focus on developments that took place in Europe from ancient Greece to the present. Students will study the political, philosophical, scientific, and social changes that laid the foundation for early Europe to the key developments that led to the major European wars of the 19th and 20th centuries. Topics concentrate on the development of political, economic, and cultural institutions in early European societies and the rise of Europe as a global power in the modern period.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify and discuss the major political, cultural, economic and military developments of Rome and Greece.
- Trace the rise and accomplishments of Byzantium and its changing relationship with Islam.
- Examine the rise of the Ottoman Empire as a European power.
- State the factors that brought Europe out of the Dark Ages. Analyze the key developments of the Renaissance, the Scientific Revolution, the Enlightenment, and Europe's Age of Discovery, and identify individuals who contributed to the artistic and cultural rebirth.
- Expound on the causes and effect of the Industrial Revolution, and infer the importance of trade to the development of European powers.
- Summarize Napoleon's rise to power and identify the shift to Nationalism.
- Identify key political figures in 20th Century Europe and describe the shift to Nationalism.
- Describe the political and social causes of World War I and World War II, and state the social and economic implications of these wars.
- Describe the creation of the League of Nations, the North Atlantic Treaty Organization (NATO) and the United Nations (UN) and identify their purposes.
- Examine the causes of the Cold War and identify major political, cultural, and economic developments during this time.

Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST301	Ancient Greece	3
HIST302	Ancient Rome	3
HIST303	The Middle Ages	3
HIST304	The Renaissance	3
HIST305	France in the Age of Enlightenment	3
MILH365	The Napoleonic Wars and the Long Peace	3
HIST306	The British Empire	3
HIST307	The Age of Dictators: Europe 1914-1945	3
HIST308	History of European Colonialism	3
HIST310	History of Modern Europe	3
Select 3 courses from the following:		9
HIST340	History of Africa	
HIST350	History of the Middle East	
HIST360	History of Latin America	
HIST370	Asia and the Modern World	
HIST402	Colonial America	
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST405	Antebellum America, 1846-1861	
HIST406	Civil War And Reconstruction, 1861-1877	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
HIST415	The Cold War	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH355	World War I	
MILH360	World War II	
MILH411	Diplomacy and War I	
MILH412	Diplomacy and War II	
Total Semester Hours		39

Concentration in Global History (39 semester hours)

Students enrolled in the Concentration in Global History will examine the major events, personalities, and accomplishments that have taken place in all regions of the world from pre-history until the present. Students will study the political, philosophical, scientific, and social changes that shaped the history of Europe, Asia, Africa, and the New World. Special emphasis will be placed on how these regions interacted with one another over the millennia to create the modern world.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify significant personalities and events in world history.
- Explain the rise and spread of the major world religions.
- Identify the invention, diffusion, and impact of major technological innovations through history.
- Describe the patterns of migration and relationship between nomadic cultures and civilization.
- Trace the emergence of Afro-Eurasian trading networks before Europe's Age of Discovery and emerging patterns of world trade in the early modern period.
- Explain Europe's scientific, political, and industrial revolutions and the impact of Western political and economic influence in the world.
- Assess the rise and spread of Western hegemony and the reaction of non-Western cultures and civilizations to Western contacts, intrusions, and colonization during the 19th and 20th centuries.
- Trace the patterns and problems of decolonization and the rise and fall of Communism and the emergence of a multi-polar world in the 21st century.
- Analyze the United States' emergence as a world power after two world wars and the rise of the Pacific Rim.

Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
HIST340	History of Africa	3
HIST350	History of the Middle East	3
HIST308	History of European Colonialism	3
HIST306	The British Empire	3
HIST360	History of Latin America	3
HIST320	History of Russia	3
HIST310	History of Modern Europe	3
MILH355	World War I	3
MILH360	World War II	3
Select 3 courses from the following:		9
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
IRLS392	Globalization and the Market Economy	
IRLS440	The Third World: Dependency and Development	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
Total Semester Hours		39

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
HIST491	Writing a Research Proposal	3
HIST498	Senior Seminar in History (to be taken as the last course before graduation) [1]	3
Total Semester Hours		6

[1] Prerequisite: HIST491 - Writing a Research Proposal and Senior Standing and completion of all major courses prior to enrollment. May not be taken concurrently with HIST491.

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Homeland Security

The Bachelor of Arts degree in Homeland Security offers you a comprehensive education in the basics of terrorism, counterterrorism, hazard management, intelligence, and other components of national security. Members of the homeland security enterprise – such as the Department of Homeland Security, state and local public safety entities, and large corporations – are aggressively searching for people who have the comprehensive educational training to be intellectual and strategic leaders in this field. Knowledgeable employees who can contribute new ideas, identify and critique unexamined assumptions of policy and strategy, and who have the ability to translate good intentions into effective action are in demand.

This online bachelor's degree is designed to meet this market need. Through this bachelor's program, you will receive a holistic liberal arts education that covers the range of domestic security efforts, helping to prepare you for advancement or new entry into the homeland security field. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or public safety organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine the historical and evolving concept of homeland security within the broader political and national security system of the contemporary nation-state.
- Recognize the detailed mitigation, planning, response, and recovery phases to and from a national security incident.
- Differentiate among the various national security threats including those that are manmade, technological, and natural.
- Discuss the strategic, operational, and tactical threats presented by chemical, nuclear, and biological agents including agent characteristics and delivery systems.
- Distinguish among and assess the various homeland security approaches, techniques, and processes such as analytics, indications, warnings, and forecasting.
- Explain the key administrative and command and control elements of the evolving homeland security relationships among the intelligence community Department of Homeland Security; interagency processes and institutions; federal, state, and local intergovernmental relations; and a comprehensive U.S. homeland security strategy.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
General Concentration (p. 218)		24
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
HLSS300	Research Methods in Homeland Security Studies	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS310	Critical Infrastructure Protection	3
HLSS311	Border and Coastal Security	3
HLSS320	Intelligence and Homeland Security	3
HLSS322	Homeland Security Legal and Ethical Issues	3
Total Semester Hours		18

General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
CMRJ203	Patrol Methodologies & Community Policing	
CMRJ320	Law Enforcement Intelligence Applications	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
EDMG259	Hazard Mitigation and Preparedness	
EDMG340	Consequence Management	
EDMG420	Risk Communications	
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS303	Homeland Security Risk, Threats and Consequences	
HLSS305	Private Sector Homeland Security	
HLSS312	Port Security	
HLSS323	Homegrown Violent Extremism	
INTL304	Intelligence Collection	
INTL305	Law and Ethics in Intelligence	
INTL402	Intelligence Analysis	
INTL410	Counterintelligence	
INTL440	Cyber Warfare	
INTL450	Terrorism and Counterterrorism	
ISSC362	IT Security: Attack & Defense	
ISSC363	IT Security: Risk Management	
ISSC451	Cybercrime	
ITMG381	Cyberlaw and Privacy in a Digital Age	
LSTD401	Maritime Law	
LSTD402	Immigration Law and Policy	
PSYC431	Psychology of Disaster	

SCMT319	Global Terrorism	
Total Semester Hours		24

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HLSS498	Senior Seminar in Homeland Security (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Hospitality Management

The Bachelor of Arts in Hospitality Management provides a foundation of research, critical thinking, and writing skills, along with the practical know-how required for success in global hospitality workplaces. This online degree program is helpful if you want to manage or own a restaurant, or seek entry- to mid-management positions in the event planning, lodging and travel destination, and tourism fields. You'll be taught by experienced faculty, many who draw on their own experiences in hospitality to share their knowledge of industry best practices used around the world today.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply concepts and principles of hospitality service excellence in marketing, law, revenue management and strategic planning, to the unique aspects of hospitality operations.
- Judge current political, economic, and social issues that affect food service, lodging and travel and tourism industries.
- Apply strategic management principles to accomplish goals and objectives of hospitality operations.
- Assess unique hospitality characteristics and principles that are the business of hospitality management.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		21
Food Service (p. 223)		
Lodging (p. 224)		
Meeting and Event Planning (p. 224)		
Tourism (p. 225)		
Final Program Requirements		3
Elective Requirements		36
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	

LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP101	Foodservice Sanitation	3
HRMT200	Human Resource Fundamentals	3
MGMT201	Organizational Fundamentals	3
HOSP300	Managerial Accounting for the Hospitality Industry	3
HOSP302	Hospitality Law	3
HOSP321	Marketing and the Hospitality Industry	3
HOSP335	Leadership and Management in Hospitality	3
HOSP400	Quality Service Management	3
MGMT314	Management Ethics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from the Concentration in Food Service, the Concentration in Lodging, the Concentration in Meeting and Event Planning, or the Concentration in Tourism.

Concentration in Food Service (21 semester hours)

Examines current trends, issues, and challenges in the food service industry, such as the layout, design, equipment, and human engineering involved in a food service facility. Topics include cost control, dietary guidelines, table service, and the history and culture of wine.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Plan a food service facility with emphasis on human engineering, layout, design, and equipment selection.
- Comprehend hotel food service operations including concession, restaurant, room service, banquet, snack bar, and other forms of food service.
- Examine and discuss the leading issues associated with food service in the 21st Century including food service trends, issues, and challenges.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
Select 7 courses from the following:		21
HOSP200	Food and Beverage Management	
HOSP201	Restaurant Operations Management	
HOSP202	Quantity Food Preparation	
HOSP203	Hotel and Restaurant Purchasing	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP304	Nutrition in the Food Service Industry	
HOSP316	History and Culture of Wine	
HOSP319	Foodservice Facilities Design	
Total Semester Hours		21

Concentration in Lodging (21 semester hours)

Evaluates the scope and diversity of the lodging industry and its contribution to a global society. Looks at marketing concepts, guest liability laws, and various career options in lodging, as well as the necessary partnerships among lodging organizations, convention centers, and convention bureaus.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the make-up and size of the lodging industry and explain its contribution to a global society.
- Explain the necessary partnerships between lodging organizations, convention centers and convention bureaus.
- Summarize career options in the lodging segment, including advantages and disadvantages of working in the industry.
- Describe laws associated with guest liabilities in lodging management.
- Understand marketing concepts that are used by lodging facilities.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HOSP203	Hotel and Restaurant Purchasing	3
HOSP207	Principles of Cost Control in Foodservice Operations	3
HOSP309	Convention Sales and Services	3
HOSP310	Management of Lodging Operations	3
HOSP320	Business and Conference Hospitality Mgmt	3
HOSP325	Revenue Management for the Hospitality Industry	3
HOSP350	Managing Technology in the Hospitality Industry	3
Total Semester Hours		21

Concentration in Meeting and Event Planning (21 semester hours)

Provides a thorough overview of the meeting, exposition, and convention industry, including the environmental concerns involved in event management. Courses cover industry organizations, such as convention bureaus, as well as emergency preparedness, liability and insurance, and the use of technology.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HOSP308	Meeting and Convention Planning	3
HOSP309	Convention Sales and Services	3

HOSP320	Business and Conference Hospitality Mgmt	3
HOSP350	Managing Technology in the Hospitality Industry	3
HOSP410	Advanced Tourism and Hospitality Management	3
HOSP413	Meeting and Event Risk Management	3
HOSP415	Destinations and Cultures	3
Total Semester Hours		21

Concentration in Tourism (21 semester hours)

Explores essential tourism topics, including revenue management, forecasting, budgeting, pricing and inventory management, service quality, ethics, and technology. Delves into the operation of hospitality facilities, such as operating costs, building system characteristics, and engineering/maintenance.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain tourism topics including revenue management, forecasting, budgeting, measuring performance, transient versus group displacement, pricing and inventory management, service quality, ethics, and technology.
- Examine the study of the tourism from a global perspective in addition to the public and private organizations that organize, promote, manage, and participate in tourism and travel.
- Analyze and describe the operation of hospitality facilities including facility operating costs, building system characteristics, and the function of the engineering-maintenance department. The renovation needs of hospitality facilities are examined and key managerial aspects of renovations considered.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HOSP205	Tourism and Travel Industry	3
HOSP212	Fundamentals of Tourism Management	3
HOSP311	Club Management	3
HOSP313	Theory and Concepts of Leisure	3
HOSP410	Advanced Tourism and Hospitality Management	3
HOSP412	Destinations Management and Marketing	3
HOSP415	Destinations and Cultures	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HOSP495	Senior Seminar in Hospitality Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major or concentration courses prior to enrollment.

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Human Development and Family Studies

The Bachelor of Arts in Human Development and Family Studies focuses on the classic and contemporary theories of human life development from infancy through adulthood including family and societal issues.

In addition, courses in the program can help you prepare to pursue these certifications:

- Certified Family Life Educator (http://www.ncfr.org/cfle-certification) (CFLE) sponsored by the National Council on Family Relations. To qualify for the academic portion of the CFLE, you'll need to complete all core requirements as well as these specific courses:

    1. CHFD220 (https://catalog.apus.edu/search/?P=CHFD220) - Human Sexuality
    2. CHFD350 (https://catalog.apus.edu/search/?P=CHFD350) - Family Life Education
    3. CHFD360 (https://catalog.apus.edu/search/?P=CHFD360) - Family Resource Management
    4. CHFD348 (https://catalog.apus.edu/search/?P=CHFD348) - Marriage and the Family
    5. CHFD445 (https://catalog.apus.edu/search/?P=CHFD445) - Family Communications
    6. CHFD446 (https://catalog.apus.edu/search/?P=CHFD446) - Families and Social Action
    7. CHFD498 (https://catalog.apus.edu/search/?P=CHFD498) - Senior Seminar in Child and Family Development

- Certified Child Life Specialist (CCLS) (http://www.childlife.org/certification) sponsored by the Association for Child Life Professionals. To qualify for the academic portion of the CCLS, you'll need to complete all core requirements as well as these specific courses:

    1. HDFS401 (https://catalog.apus.edu/search/?P=HDFS401) - Child Life Theory and Practice
    2. HDFS402 (https://catalog.apus.edu/search/?P=HDFS402) - Benefits of Therapeutic Play
    3. HDFS403 (https://catalog.apus.edu/search/?P=HDFS403) - Death, Dying and Grief
    4. CHFD445 (https://catalog.apus.edu/search/?P=CHFD445) - Family Communications **or** CHFD360 (https://catalog.apus.edu/search/?P=CHFD360) - Family Resource Management

- Child Development Associate (CDA) certification (http://www.cdacouncil.org) sponsored by the Early Childhood Education Training Institution and the Council for Professional Recognition.

Important note: This bachelor's degree does not lead to licensure to become a K-12 schoolteacher. In addition, individual states often require additional hands-on training, internships, or site visits not provided by our university. It is your responsibility to become familiar with all licensure/certification requirements in the state in which you plan to seek employment.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate fluency in the terminology, tools, and methods used in the field of child and family development.
- Describe the contributions of multiple theories or practices to the field of child and family development, both within and across disciplines.
- Demonstrate the ability to synthesize multiple information sources and points of view into a discussion of major child and family development issues.
- Present a project or paper linking knowledge from work, community, or research activities with knowledge acquired in the study of child and family development.
- Explain diverse perspectives on contested issues in child and family development, including an articulation of how these issues might be addressed in social, political, or personal settings.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
General Concentration		27
Final Program Requirements		3
Elective Requirements		30
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	

Civics, Political and Social Sciences (6 semester hours) [1]		
PSYC101	Introduction to Psychology	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3
History		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
CHFD215	Introduction to Child Development	3
CHFD220	Human Sexuality	3
CHFD225	Introduction to the American Family	3
CHFD307	Child and Adolescent Development	3
CHFD308	Infant-Toddler Development	3
CHFD331	Parenting	3
CHFD340	Family Development	3
CHFD342	Human Life Span Development	3
SOCI331	Research Methods for Sociology	3
SOCI332	Statistics for Social Science	3
Total Semester Hours		30

General Concentration (27 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Child Development		
Select 5 courses from the following:		15
CHFD210	Childhood Educational Development	
CHFD212	Infant and Toddler Programs	
CHFD311	Guidance in Early Childhood	
CHFD312	Special Needs Students	
CHFD411	Child Psychopathology	
CHFD415	Children and Stress	
HDFS401	Child Life Theory and Practice	
HDFS402	Benefits of Therapeutic Play	
HDFS403	Death, Dying, and Grief	
Family Development		

Select 4 courses from the following:		12
CHFD348	Marriage and the Family	
CHFD350	Family Life Education	
CHFD360	Family Resource Management	
CHFD445	Family Communications	
CHFD446	Families and Social Action	
PSYC343	Adult Development	
SOCI404	Gender and Society	
DEFM332	Transition and the Military Family	
Total Semester Hours		27

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CHFD498	Senior Seminar in Child and Family Development [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Intelligence Studies

The Bachelor of Arts in Intelligence Studies is designed to enhance your ability to research, analyze, and convert data into clear and coherent intelligence. This online bachelor's degree focuses on national and international intelligence operations, analysis, ethics, collection methods, research, and counterintelligence. This degree program is helpful if you are currently employed in the intelligence field, or wish to pursue positions as military, civilian, or corporate intelligence specialists.

Core courses in this program impart substantive knowledge and analytic skills required by all professionals in the intelligence community, while the concentration choices enable you to focus on a functional area or intelligence sub-field. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or other intelligence organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement and technical and open intelligence data sources.
- Detail the current permissions and restrictions on U.S. national intelligence community activities as prescribed by federal law, executive and agency directives, and the intelligence oversight system.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		27
Select one of the following concentrations:		27
	General Concentration (p. 235)	
	Asian Area Studies (p. 236)	
	Counterintelligence (p. 236)	
	Criminal Intelligence (p. 237)	
	Cyber (p. 238)	
	Geospatial Intelligence (GEOINT) (p. 238)	
	Intelligence Analysis (p. 239)	
	Intelligence Collection (p. 240)	
	Intelligence Operations (p. 240)	
	Latin America Area Studies (p. 241)	
	Middle East Area Studies (p. 242)	
	Terrorism Studies (p. 243)	
Final Program Requirements		3

Elective Requirements	33
Total Semester Hours	120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	

ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
IRLS200	Information Literacy and Global Citizenship	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	

SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (27 semester hours)

Code	Title	Semester Hours
INTL200	Introduction to Intelligence Studies	3
INTL301	U.S. Intelligence Community	3
IRLS210	International Relations I	3
SSGS300	Research Design and Methods	3
INTL304	Intelligence Collection	3
INTL305	Law and Ethics in Intelligence	3
INTL401	Critical Analysis	3
INTL434	Threat Analysis	3
INTL443	Foreign Intelligence Organizations	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Asian Area Studies, Concentration in Counterintelligence, Concentration in Criminal Intelligence, Concentration in Cyber, Concentration in Geospatial Intelligence (GEOINT), Concentration in Intelligence Analysis, Concentration in Intelligence Collection, Concentration in Intelligence Operations, Concentration in Latin America Area Studies, Concentration in Middle East Area Studies, or the Concentration in Terrorism Studies.

General Concentration (27 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 9 courses from the following:		27
HLSS320	Intelligence and Homeland Security	
INTL402	Intelligence Analysis	
INTL408	Counterintelligence Operations	
INTL409	Counterintelligence Analysis	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL419	Applied Geospatial Intelligence	
INTL421	Signals Intelligence and Security	
INTL422	Open Source Collection	
INTL423	Human Intelligence	
INTL424	Interrogation	
INTL431	Criminal Intelligence Analysis	
INTL432	Geographic Information Systems I	
INTL433	Geographic Information Systems II	

INTL440	Cyber Warfare
INTL442	Tactical Intelligence
INTL446	Intelligence and Narcotics
INTL450	Terrorism and Counterterrorism
INTL451	Terrorism and U.S. National Security
INTL453	Illicit Finance
INTL454	Forecasting Terrorism
SSGS490	Independent Study
Total Semester Hours	27

Concentration in Asian Area Studies (27 semester hours)

Takes an in-depth look at Asia, including its security issues and the role of intelligence within the region. Topics include analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration; and the conflict between traditional norms and modern institutions.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of US policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 8 courses from the following:		24
HIST370	Asia and the Modern World	
IRLS213	Political Geography	
IRLS300	Comparative Political Systems	
IRLS310	Introduction to Human Security	
IRLS331	Asian Politics	
IRLS409	Environmental Security	
IRLS412	Comparative Foreign Policy	
RELS350	Hinduism	
RELS351	Buddhism	
Total Semester Hours		27

Concentration in Counterintelligence (27 semester hours)

Demonstrates U.S. intelligence agencies use of counterintelligence and covert action to guard America's global interests and protect national security. Examines the counterintelligence professional's role in overt and covert operations, and delves into research methods and tools used in counterintelligence.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Acquire a general knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL408	Counterintelligence Operations	3
INTL409	Counterintelligence Analysis	3
INTL410	Counterintelligence	3
INTL412	Espionage/Counterespionage	3
INTL413	Denial and Deception	3
INTL422	Open Source Collection	3
INTL423	Human Intelligence	3
INTL424	Interrogation	3
INTL440	Cyber Warfare	3
Total Semester Hours		27

Concentration in Criminal Intelligence (27 semester hours)

Addresses intelligence processes and procedures in criminal justice, various techniques used to understand violence, and the differences between crime, war, and terrorism. Covers criminal intelligence analysis and strategic organized crime; cyber warfare's use in military, terrorist, and, criminal organizations; and the illegal drug trade's impact on national security and intelligence gathering.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain intelligence processes and procedures in the criminal justice community.
- Analyze the differences between crime, war, and terrorism.
- Evaluate the various techniques and methodologies used within the Criminal Justice community to understand the different aspects of violence and accomplish their goals.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
INTL431	Criminal Intelligence Analysis	3
Select 7 courses from the following:		21
CMRJ320	Law Enforcement Intelligence Applications	
CMRJ329	Criminal Profiling	
CMRJ303	Criminology	

CMRJ335	Crime Analysis	
INTL411	International Criminal Organizations	
INTL440	Cyber Warfare	
INTL446	Intelligence and Narcotics	
INTL453	Illicit Finance	
Total Semester Hours		27

Concentration in Cyber (27 semester hours)

Offers an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations, as well as the various methods of collection and analysis. Looks at the use of strategic and operational level communications (COMINT) and electronics (ELINT) intelligence. Topics also include the change in laws to account for crimes in the digital age.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL421	Signals Intelligence and Security	3
INTL422	Open Source Collection	3
INTL440	Cyber Warfare	3
Select 6 courses from the following:		18
CMRJ201	Criminal Justice Administration	
ISSC341	Introduction to Networking	
ISSC351	Computer Forensics	
ISSC421	Computer and Network Security	
ISSC422	Information Security	
ISSC451	Cybercrime	
ISSC452	Cybersecurity	
ITMG381	Cyberlaw and Privacy in a Digital Age	
Total Semester Hours		27

Concentration in Geospatial Intelligence (GEOINT) (27 semester hours)

Within this concentration students will gain foundational knowledge on the use and application of geospatial intelligence. Students will complete a variety of applied assignments that will require the use of geospatial intelligence tools to complete their work. Upon completion of the program students will have received instruction on core competencies specific to geospatial collection and analysis.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze threats using tools and techniques specific to geospatial analysis.
- Examine the role of geospatial intelligence within the intelligence cycle.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to geospatial intelligence.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
GEOG200	Fundamentals of Geographic Information Systems I	3
GEOG201	Fundamentals of Geographic Information Systems II	3
INTL419	Applied Geospatial Intelligence	3
INTL432	Geographic Information Systems I	3
INTL433	Geographic Information Systems II	3
INTL402	Intelligence Analysis	3
INTL422	Open Source Collection	3
INTL442	Tactical Intelligence	3
INTL440	Cyber Warfare	3
Total Semester Hours		27

Concentration in Intelligence Analysis (27 semester hours)

Provides an understanding of how to interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product. Explores using existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine advanced intelligence analysis methods in composing professional and academic analyses on issues critical to intelligence community consumers.
- Evaluate and interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product.
- Employ a broad, subtle, and nuanced understanding of existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 8 courses from the following:		24
INTL409	Counterintelligence Analysis	
INTL413	Denial and Deception	
INTL419	Applied Geospatial Intelligence	

INTL422	Open Source Collection
INTL431	Criminal Intelligence Analysis
INTL432	Geographic Information Systems I
INTL433	Geographic Information Systems II
INTL446	Intelligence and Narcotics
INTL450	Terrorism and Counterterrorism
INTL453	Illicit Finance
INTL454	Forecasting Terrorism
Total Semester Hours	27

Concentration in Intelligence Collection (27 semester hours)

Considers collective methods used to fill gaps in intelligence, as well as the potential impacts of future collection systems and their ability to satisfy intelligence requirements. Also covers: the full spectrum of the intelligence collection cycle; intelligence needs in future collection planning; and advanced methods of collecting data to support intelligence community consumers.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL410	Counterintelligence	3
INTL413	Denial and Deception	3
INTL419	Applied Geospatial Intelligence	3
INTL421	Signals Intelligence and Security	3
INTL422	Open Source Collection	3
INTL423	Human Intelligence	3
INTL424	Interrogation	3
INTL440	Cyber Warfare	3
INTL442	Tactical Intelligence	3
Total Semester Hours		27

Concentration in Intelligence Operations (27 semester hours)

Surveys the nature and challenges to military planning of operations other than war, such as peacekeeping operations, low-intensity conflicts, and humanitarian relief efforts. Looks into ways to facilitate cooperation with others across the intelligence community, as well as intelligence management skills necessary for planning, management, and leadership positions.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Employ intelligence management skills required by planning and management positions in the intelligence community.
- Identify ways to facilitate cooperation with other individuals and organizations across the intelligence community to advance projects and corporate goals.
- Examine the nature and challenges to military planning of combined operations and operations other than war including peacekeeping operations, low intensity conflicts, and humanitarian relief operations.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
Select 9 courses from the following:		27
HLSS320	Intelligence and Homeland Security	
INTL408	Counterintelligence Operations	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL440	Cyber Warfare	
INTL442	Tactical Intelligence	
INTL446	Intelligence and Narcotics	
INTL453	Illicit Finance	
IRLS409	Environmental Security	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
Total Semester Hours		27

Concentration in Latin America Area Studies (27 semester hours)

Explores the politics, cultures, history, and predominant language of Latin America, as well as U.S. intelligence operations there to guard America's global interests and protect national security. Topics include security issues in the region and the part intelligence plays in the war on drugs.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays in the War on Drugs.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 8 courses from the following:		24

HIST360	History of Latin America
INTL446	Intelligence and Narcotics
IRLS213	Political Geography
IRLS300	Comparative Political Systems
IRLS355	Latin American Politics
IRLS310	Introduction to Human Security
IRLS409	Environmental Security
IRLS412	Comparative Foreign Policy
LITR355	Latin American Literature
SPAN100	Spanish I
SPAN101	Spanish II
Total Semester Hours	27

Concentration in Middle East Area Studies (27 semester hours)

Delves into the intelligence community and its relationship to the Middle East through the region's language, politics, history, and culture. Topics include a study of Judaism, Christianity, and Islam; major Middle Eastern literary works dating back to ancient times; the origins and evolution of the Arab-Israeli conflict; and past and present U.S. foreign policy in the Muslim world.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
ARAB100	Arabic I	3
Select 7 courses from the following:		21
HIST350	History of the Middle East	
IRLS213	Political Geography	
IRLS360	Global Politics of Islam	
IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
LITR365	Middle Eastern Literature	
RELS330	Religions of the Middle East	
RELS353	Islam	
Total Semester Hours		27

Concentration in Terrorism Studies (27 semester hours)

Evaluates leading terrorist organizations and their agendas, as well as the causes of and threats from domestic and international terrorism. Explores information sharing limits under the PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act. Teaches how to identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Appraise the causes of and threats from U.S. domestic and international terrorism.
- Analyze the limits of information sharing under the guidelines of both the U.S. PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act.
- Identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
INTL431	Criminal Intelligence Analysis	3
INTL440	Cyber Warfare	3
INTL446	Intelligence and Narcotics	3
INTL450	Terrorism and Counterterrorism	3
INTL451	Terrorism and U.S. National Security	3
INTL453	Illicit Finance	3
PSYC360	Psychology of Terrorism	3
SCMT319	Global Terrorism	3
Total Semester Hours		27

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
INTL498	Senior Seminar in Intelligence Studies (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill major or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in International Relations

The Bachelor of Arts in International Relations analyzes the nature of modern global relationships and provides you with an improved understanding of diplomacy, foreign policy analysis, international organizations, global development, and international relations theory. This online bachelor's degree explores the interconnectedness of global economies, societies, and cultures. You will focus on civic engagement and social responsibility while developing broad critical thinking skills in politics, economics, culture, and history. This online program provides an excellent foundation for careers in government agencies, the diplomatic service, international organizations, world trade and finance, and international media careers.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Distinguish the political, economic, social, and security theories, methods, and historic patterns of international relations as applied to contemporary issues and actors within the world system.
- Explain the process and implications of interdependence among individuals, groups, states, and regions in the context of globalization.
- Analyze the theories, assumptions, and causes of conflict within international systems as related to the institutions of international law, diplomacy, and world order, including the prospects for sustainable peace.
- Assess the unique principles, structure, organization, and impact of international organizations and other non-state actors within the international system of states.
- Evaluate the multidimensional effects of globalization and integration as applied to issues in human security, conflict resolution, and sustainable economic development.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Select one of the following concentrations:		24
	Asian Studies (p. 247)	
	Comparative Politics (p. 248)	
	European Studies (p. 248)	
	Globalization and Human Security (p. 249)	
	International Studies (p. 250)	
	Latin American Studies (p. 250)	
	Peacekeeping (p. 251)	
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
IRLS200	Information Literacy and Global Citizenship	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (18 semester hours)

Code	Title	Semester Hours
IRLS210	International Relations I	3
IRLS211	International Relations II	3
IRLS214	American Foreign Policy	3
IRLS301	International Organizations	3
IRLS302	International Development	3
IRLS402	International Law and Regimes	3
Total Semester Hours		18

Students must choose a concentration for this degree program and may select from either the Concentration in Asian Studies, Concentration in Comparative Politics, Concentration in European Studies, Concentration in Globalization and Human Security, Concentration in International Studies, Concentration in Latin American Studies, or Concentration in Peacekeeping.

Concentration in Asian Studies (24 semester hours)

Evaluates various sociological, historical, economic, geographic, political, and defense factors as they relate to current events within Asia. Assesses ethnic, tribal, cultural, and religious divides that exist in Asia and their impact on internal and regional stability.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Asian societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Asia.
- Discuss the key issues that lie ahead for Asian relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Asia and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
IRLS213	Political Geography	3
IRLS300	Comparative Political Systems	3
IRLS310	Introduction to Human Security	3
IRLS331	Asian Politics	3
IRLS392	Globalization and the Market Economy	3
IRLS412	Comparative Foreign Policy	3
TLMT442	International Trade and Regulations	3
Total Semester Hours		24

Concentration in Comparative Politics (24 semester hours)

Takes an in-depth look at politics in systematic and comparative terms by focusing on domestic politics in various countries. Explores the political history, social background, culture, and institutions of those countries; the roles of various actors in developing and implementing domestic and international policy; and globalization's impact on public policies.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Comprehend the roles of various actors in the development and implementation of both domestic and international policy.
- Explore the political history, social background, culture, and institutions of various countries.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS213	Political Geography	3
IRLS300	Comparative Political Systems	3
IRLS392	Globalization and the Market Economy	3
IRLS412	Comparative Foreign Policy	3
Select 4 courses from the following:		12
IRLS322	African Politics	
IRLS331	Asian Politics	
IRLS343	Government and Security of Russia	
IRLS344	European Politics	
IRLS355	Latin American Politics	
IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
Total Semester Hours		24

Concentration in European Studies (24 semester hours)

Explores various sociological, historical, economic, geographic, political, and defense factors as they relate to current events within Europe. Topics include essential tenets and central practices of different cultures within various European societies, as well as ethnic, tribal, cultural, and religious divides that exist in Europe and their impact on internal and regional stability.

Objective

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various European societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Europe.
- Discuss the key issues that lie ahead for European relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Europe and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS300	Comparative Political Systems	3
IRLS344	European Politics	3
IRLS392	Globalization and the Market Economy	3
IRLS412	Comparative Foreign Policy	3
Select 4 courses from the following:		12
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
IRLS213	Political Geography	
IRLS343	Government and Security of Russia	
IRLS416	The North Atlantic Treaty Organization (NATO)	
RUSS100	Russian I	
Total Semester Hours		24

Concentration in Globalization and Human Security (24 semester hours)

Takes an historical look at human rights topics and discusses how human rights and human security are intertwined. Delves into environmental security threats such as climate change, water scarcity, consumption patterns, urbanization, food security, and globalization. Some courses in this concentration may lead to eligibility to obtain a certificate of completion from the United Nation's Peace Operations Training Institute.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the major security threats and opportunities facing the global civil society.
- Describe the interconnected political, social, cultural, and economic forces that affect human security.
- Analyze the various methods designed to increase human security.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS310	Introduction to Human Security	3
IRLS400	Human Rights	3
IRLS405	National and Transnational Justice	3
IRLS409	Environmental Security	3
Select 4 courses from the following:		12
INTL411	International Criminal Organizations	
INTL451	Terrorism and U.S. National Security	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	

IRLS417	International Civil Order	
Total Semester Hours		24

Concentration in International Studies (24 semester hours)

Takes an historical look at human rights topics and discusses how human rights and human security are intertwined. Delves into environmental security threats such as climate change, water scarcity, consumption patterns, urbanization, food security, and globalization. Some courses in this concentration may lead to eligibility to obtain a certificate of completion from the United Nation's Peace Operations Training Institute.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Identify the various manifestations of globalization and its impact on various political, economic and social systems.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
INTL434	Threat Analysis	3
IRLS392	Globalization and the Market Economy	3
IRLS413	International Conflict Resolution	3
SCMT319	Global Terrorism	3
Select 4 courses from the following:		12
INTL411	International Criminal Organizations	
INTL451	Terrorism and U.S. National Security	
IRLS400	Human Rights	
IRLS405	National and Transnational Justice	
IRLS417	International Civil Order	
IRLS491	Special Topics in International Relations	
TLMT442	International Trade and Regulations	
Total Semester Hours		24

Concentration in Latin American Studies (24 semester hours)

Explores the history, tenets, and central practices of Latin American cultures, as well as various sociological, economic, geographic, political, and defense factors as they relate to current events. Also discusses ethnic, tribal, cultural, and religious divides that exist in Latin America, their impact on internal and regional stability, and key issues that lie ahead for relations within regions.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Latin American societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Latin America.
- Discuss the key issues that lie ahead for Latin American relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Latin America and their affect on internal and regional stability.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS300	Comparative Political Systems	3
IRLS355	Latin American Politics	3
IRLS392	Globalization and the Market Economy	3
IRLS412	Comparative Foreign Policy	3
Select 4 courses from the following:		12
HIST360	History of Latin America	
IRLS213	Political Geography	
IRLS310	Introduction to Human Security	
SPAN100	Spanish I	
SPAN101	Spanish II	
Total Semester Hours		24

Concentration in Peacekeeping (24 semester hours)

Traces the principles and foundations of peace operations within the context of international and regional mechanisms. Topics include the nature of conflict and diplomatic negotiations in the post-Cold War era, and the role of UN and regional peacekeeping initiatives in specific peacebuilding and peacekeeping operations in conflict areas. Completion of this concentration may lead to eligibility to obtain a certificate of completion from the Peace Operations Training Institute.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Understand the nature of conflict and diplomatic negotiations in the post-Cold War era.
- Identify the evolving theory and practices of United Nations peacekeeping operations.
- Describe the role of UN and regional peacekeeping initiatives in specific peace-building, peacemaking, and peace-keeping operations in conflict areas.

Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS310	Introduction to Human Security	3
IRLS414	Principles of Peacekeeping	3
IRLS415	Peacekeeping Logistics	3
MILH422	History of Peacekeeping: 1988-Present	3
Select 4 courses from the following:		12
IRLS405	National and Transnational Justice	
IRLS409	Environmental Security	
IRLS413	International Conflict Resolution	
IRLS416	The North Atlantic Treaty Organization (NATO)	
IRLS417	International Civil Order	
Total Semester Hours		24

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
IRLS492	Senior Seminar in International Relations (to be taken as the last course before graduation)	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Management

The Bachelor of Arts in Management prepares you to transition from the technical aspects of a profession to leading and managing individuals in their respective fields. You will explore management theories, concepts, and practices necessary to organize, motivate, and lead human capital. Successful completion of the online degree program prepares you for managerial positions and responsibilities in business, as well as nonprofit, government, and military organizations.

This program's curriculum is in alignment with Society for Human Resource Management (https://www.shrm.org) (SHRM) standards. This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Evaluate the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Develop strategies for organizational challenges using management theories, principles, and practices.
- Analyze the impact of international, legal, social, political, economic, technological, and environmental issues as they relate to organizational behavior in terms of the individual, group/team, and overall organizational performance.
- Examine the importance of ethical conduct, communication, social responsibility, and corporate responsibility in the global environment.
- Demonstrate skills in critical thinking, data interpretation, and decision making necessary for developing systematic processes and approaches in the management of human capital and achievement of organizational effectiveness.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Select one of the following concentrations:		12-15
General Concentration (p. 256)		
Entrepreneurship (p. 257)		
Human Resource Management (p. 258)		
Leadership (p. 258)		
Retail Management (p. 259)		
Final Program Requirements		3
Elective Requirements		48-51
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON101	Microeconomics	
ECON102	Macroeconomics	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	

SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH120	Introduction to Statistics	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
HRMT413	Employment and Labor Relations	3
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MGMT410	Strategic Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		24

Students must choose a concentration for this degree program and may select from a General Concentration, Entrepreneurship Concentration, Human Resource Management Concentration, Leadership Concentration, or Retail Management Concentration.

General Concentration Requirements (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Code	Title	Semester Hours
Select 5 courses from the following:		15
ACCT105	Accounting for Non Accounting Majors	
BUSN250	Analytics I	
HIMA100	Medical Terminology	
HIMA110	Introduction to Health Information Management	
PBHE111	Introduction to Health Care Administration	
PBHE112	Health Services Organization	
EDMG101	Introduction to Emergency Management	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
RTMG221	Retail Photo Operations	
BUSN313	Global and Competitive Strategy	
BUSN316	Fundamentals of Entrepreneurship	
BUSN350	Analytics II	
EDMG320	Natural Disaster Management	
EDMG340	Consequence Management	
FINC300	Foundations of Financial Management	

HRMT407	Human Resource Management
ITMG321	Information Technology Project Management
ITMG322	Project Management Using MS Project
ITMG421	Virtual Management
MGMT312	Leadership & Motivation
MGMT313	Organizational Change
MGMT331	Leading Yourself Foundations
MGMT332	Leading Others Leadership Counseling
MGMT414	Strategic Planning
MKTG307	Consumer Behavior
SPHE379	Contemporary and Social Issues in Sport
SPHE400	Sports Management Foundations
SPHE430	Sports Communication
SPHE440	Sports Event Management and Planning
SPHE450	Sports Governance
Total Semester Hours	15

Concentration in Entrepreneurship (12 semester hours)

Focuses on key concepts and principles of being a successful entrepreneur or small business owner. You will examine leadership practices, feasibility of ideas, funding, and customer service specific to a small business.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Establish entrepreneurial factors affecting product and services in the reverse logistic environment
- Apply customer service skills to entrepreneurial projects, programs or organizations
- Analyze entrepreneurial ventures understand sources of funding and other legal requirements

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
ENTR150	Idea Generation	
ENTR200	Leadership in Small Business Ventures	
ENTR210	Entrepreneurs as Leaders	
ENTR300	Foundations of Entrepreneurship	
ENTR310	The Family Owned Business	
ENTR311	Business Plan Foundations	
ENTR340	Small Business Customer Service	
ENTR425	Operating a Small Business	
Total Semester Hours		12

Concentration in Human Resource Management (15 semester hours)

Delves into the laws, rules, regulations, policies, trends, and issues affecting both human capital in the workplace and the field of human resource management. Compares compensation packages and incentives used to recruit and retain employees. Includes the selection, training, and development of employees, as well as performance appraisal and reward systems.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT412	Compensation and Benefits	3
HRMT415	Human Resource Management Information Systems	3
HRMT416	Human Resource Development	3
HRMT419	Recruitment and Staffing	3
Total Semester Hours		15

Concentration in Leadership (15 semester hours)

Provides a foundation in the leadership process and motivation. Examines management techniques in organizational change and transformation, and the processes of conflict resolution. Additional topics include common leadership theories exercised in business, military, and political contexts in public and nonprofit organizations.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine measurement tools that will assist one with determining levels of self-awareness, emotional intelligence, and personality.
- Demonstrate techniques that will lead others to greater personal self-awareness through general counseling and active listening.
- Develop strategies on creating change in the workplace, including how to build teams and lead staff during critical times.
- Evaluate the principles of leader development in organizations and the tools that allow development and growth to occur (i.e. 360-degree assessments, mentoring).

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
MGMT331	Leading Yourself Foundations	3

MGMT414	Strategic Planning	3
Total Semester Hours		15

Concentration in Retail Management (15 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine the functions and applications of various retail management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Determine the needs of today's retail managers in assessing and implementing strategies used in the management of information technology, financial, and human resources in the retail workplace.
- Evaluate and apply retail managerial concepts to strategic issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Demonstrate the ability to recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RTMG300	Retail Strategy	3
RTMG301	Retail Innovation	3
Select 3 courses from the following:		9
MKTG307	Consumer Behavior	
RTMG150	Retail Organization Fundamentals	
RTMG220	Retail Asset Protection	
RTMG221	Retail Photo Operations	
RTMG302	Retail Operations	
RTMG303	Retail Merchandising Operations	
TLMT311	Introduction to Transportation Management	
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT496	Capstone: Portfolio	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (48 or 51 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Marketing

The Bachelor of Arts in Marketing provides a variety of knowledge and skills applicable to nearly any industry where marketing efforts such as advertising, public relations, promotions and events, market research, sales, and ecommerce play a significant role in the growth of the organization. This bachelor's program is designed to increase your self-motivation, self-confidence, and your ability to work well with others. You'll discover creative problem solving and be taught how to take appropriate business risks and spot market trends as you prepare for careers in the corporate, government, and military sectors.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Apply marketing principles to a particular business.
- Use marketing research to identify and exploit business opportunities.
- Critically analyze an organization's marketing function and assemble and apply the various marketing strategies and techniques that align with the organization's mission.
- Develop a strategic marketing plan.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		36
Select one of the following concentrations:		12
General Concentration (p. 264)		
Analytics (p. 264)		
Internet/Web Technology (p. 265)		
Sales (p. 265)		
Final Program Requirements		3
Elective Requirements		39
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	

ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	

SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL225	Business Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (36 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN235	Personal Finance	3
BUSN311	Law and Ethics in the Business Environment	3
FINC300	Foundations of Financial Management	3
MATH302	Statistics	3

MKTG308	Social Media Marketing	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
MKTG420	Branding	3
Total Semester Hours		36

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Analytics, Concentration in Internet/Web Technology, or a Concentration in Sales.

General Concentration Requirements (12 semester hours)

This general concentration allows you to select from all concentration courses offered in this program, including marketing, sales, advertising, analysis, and public relations courses.

Code	Title	Semester Hours
Select 4 courses from the following:		12
BUSN330	Fundamentals of Business Analysis I	
BUSN331	Fundamentals of Business Analysis II	
BUSN333	Project Management for Business Analysts	
BUSN334	Strategic Alignment in Business Analysis	
MKTG301	Principles of Sales	
MKTG303	Strategic Internet Marketing	
MKTG304	Public Relations	
MKTG305	Advertising	
MKTG403	Marketing Management	
MKTG407	International Marketing	
MKTG410	Contracting and Negotiating	
MKTG423	Marketing Writing	
MKTG499	Independent Study: Marketing	
Total Semester Hours		12

Concentration in Analytics (12 semester hours)

Data procurement and analysis is a vital role in marketing and business. It helps ensure that the business is operating efficiently, that marketing programs that are implemented are effective, and creates better tools for marketers to use during the decision-making process. In addition to the institutional, general education, and program level learning objectives, the Concentration in Analytics is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Recommend business solutions.
- Develop business processes and improvements.

- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN333	Project Management for Business Analysts	3
BUSN334	Strategic Alignment in Business Analysis	3
Total Semester Hours		12

Concentration in Internet/Web Technology (12 semester hours)

Internet and web technology play a vital role in marketing and business. Internet and web technology serves as a primary means to touch existing and potential customers. To be effective, marketers need to have a working understanding and knowledge of the tools utilized in the Internet/Web Technology space. Without this underpinning knowledge it can be difficult to translate the needs of the marketing organization to the IT professionals that perform the coding and technological work. In addition to the institutional, general education, and program level learning objectives, the Concentration in Internet and Web Technology is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze Web technology tools available to manage and enhance marketing programs.
- Explain the principles and practices of Internet/Web technology.
- Apply Web analytics, Web videography, search engine optimization, and Web content management systems skills to promote marketing program effectiveness.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
WEBD122	Introduction to Web Analytics	3
WEBD220	Web 2.0 Fundamentals	3
WEBD321	Web eCommerce Development	3
WEBD323	Search Engine Optimization	3
Total Semester Hours		12

Concentration in Sales (12 semester hours)

Lays the groundwork for understanding the sales process through critical thinking, creative and logical analysis, and effective oral, written, and electronic documentation skills. Explores business knowledge and decision making that support and facilitate lifelong professional development, as well as effective leadership in a sales team environment.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate a clear understanding of the sales process including a mastery of sales closes.
- Communicate effectively using oral, written, and electronic documentation skills.
- Analyze customer needs and formulate solutions.
- Use critical thinking and creative and logical analysis skills, strategies, and techniques to solve complex business problems.
- Implement and apply current technical and non-technical solutions to business activities, systems, and processes.
- Demonstrate leadership while working effectively in a sales team environment to accomplish a common goal.
- Demonstrate a foundation of business knowledge and decision-making skills that supports and facilitates lifelong professional development.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
MKTG301	Principles of Sales	3
MKTG307	Consumer Behavior	3
MKTG403	Marketing Management	3
MKTG410	Contracting and Negotiating	3
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MKTG495	Senior Seminar in Marketing (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Middle Eastern Studies

The Bachelor of Arts in Middle Eastern Studies provides a comprehensive understanding of Middle Eastern societies, cultures, religions, history, politics, and conflicts. This online bachelor's degree is useful for business executives, journalists, government contractors, military service members, political analysts, educators, conflict resolution practitioners or other professions requiring an in-depth knowledge of the Middle East.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze the development of political and economic institutions.
- Explain the role of international and transnational organizations in both a global and regional setting.
- Describe how political, economic, social and military structures work within the region.
- Articulate the role of colonization in the development of the nation state system in the ME.
- Determine how conflict and shifting alliances shaped the politics of the region.
- Summarize the challenges facing Middle Eastern countries individually and as a region.
- Compare and contrast the different cultures and religions within the Middle East.
- Evaluate existing cooperation efforts and the long term viability of those efforts for success.
- Analyze the role religion plays in the political, social, and economic fabric of the region.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	

LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2

ENGL110	Making Writing Relevant	3
IRLS200	Information Literacy and Global Citizenship	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (42 semester hours)

Code	Title	Semester Hours
IRLS210	International Relations I	3
IRLS213	Political Geography	3
IRLS260	Middle Eastern Culture	3
IRLS300	Comparative Political Systems	3
IRLS360	Global Politics of Islam	3
IRLS412	Comparative Foreign Policy	3

IRLS460	Government & Security in the Middle East	3
Select 7 courses from the following:		21
ARAB100	Arabic I	
ARAB101	Arabic II	
HIST350	History of the Middle East	
IRLS310	Introduction to Human Security	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
RELS330	Religions of the Middle East	
RELS353	Islam	
Total Semester Hours		42

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
IRLS493	Capstone Middle Eastern Studies (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Military History

The Bachelor of Arts in Military History is designed for students seeking greater understanding of military historiography studies in the context of a general liberal arts education. The online bachelor's program is designed differently than many military history programs because it focuses primarily on armed conflict and how their outcomes shaped civilizations throughout history. This history major also emphasizes critical and analytical thinking, and effective research and writing skills. Graduates with military history degrees can be found in historical preservation careers as curators, archivists, or educators, or in other professions requiring strong communication skills.

Many university faculty members teaching these courses are published historians or military leaders who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Select one of the following concentrations:		30
General Concentration (p. 274)		
American Military History (p. 275)		
Final Program Requirements		6
Elective Requirements		33
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3

COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning(3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3
HIST300	Research Methods in History	3
MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		21

Students must choose a concentration for this degree program and may select from a General Concentration or a Concentration in American Military History.

General Concentration (30 semester hours)

Students who pursue the General Concentration will learn about the "big picture" through exposure to five historical perspectives. They will learn critical and analytical thinking, and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover Ancient and Classical Military History, American Military Campaign Histories, Diplomacy and Peacekeeping, Strategy and Operations, and Current Issues and Future Trends.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify a broad knowledge of the historical literature that pertains to the topics of study included in the degree program and locate the linkage between historical studies and allied disciplines.
- Interpret historical forces that have shaped social change and contemporary human problems and discern an understanding of the historical experiences that go beyond a single time period and national or cultural experience.
- Analyze historical material and make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Analyze the contributions of the major military philosophers and leaders to the understanding of military history.
- Examine the dynamics of diplomacy and peacekeeping as they have existed throughout history and in the present.
- Discuss the major military events, technologies, and nations that shaped our past and contemporary world.
- Examine the operational art and warfare options practiced in historical and modern scenarios.

Concentration Requirements (30 semester hours)

Code	Title	Semester Hours
MILH362	Ancient Military History	3
MILH363	17th and 18th Century Military History	3
MILH364	Medieval Military History	3
MILH365	The Napoleonic Wars and the Long Peace	3
MILH355	World War I	3
MILH360	World War II	3
HIST415	The Cold War	3

MILH370	The Korean War	3
Select 2 courses from the following:		6
HIST308	History of European Colonialism	
MILH320	The American Revolution	
HIST406	Civil War And Reconstruction, 1861-1877	
MILH371	The Vietnam War	
MILH480	Special Topic: Military History [1]	
MILH490	Independent Study: History [1]	
Total Semester Hours		30

[1] Students will need permission from the Department Chair to take this course.

Concentration in American Military History (30 semester hours)

A student enrolled in the Concentration in American Military History is recommended to take HIST101 - American History to 1877 and HIST221 - African American History before 1877 as part of their General Education Requirements.

Students who pursue this concentration will focus on American Military History from Colonial America to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced American Military History. Topics focus on military operations but also cover foreign policy and domestic political, economic, and social components of early America to the Persian Gulf War.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify causes of America's break from the British Empire.
- Compare and contrast the philosophy of early American leaders.
- Analyze the reasons America pushed westward and what that expansion entailed.
- Identify and give examples of the causes of the Civil War as well as differentiate the outcomes of that war in the North and the South.
- Assess the social, economic, and political situation in America leading up to the 20th century.
- Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
- Analyze America's reasoning for joining both World Wars as well as identify military policy and strategy that contributed to eventual victory.
- Elaborate on the political background of the Cold War and what factors led to diplomatic struggles between the United States and the Soviet Union.
- Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
- Identify major political, cultural, and economic developments from the 1980s to the 21st Century.

Concentration Requirements (30 semester hours)

Code	Title	Semester Hours
HIST402	Colonial America	3
MILH320	The American Revolution	3
HIST405	Antebellum America, 1846-1861	3
HIST406	Civil War And Reconstruction, 1861-1877	3
MILH355	World War I	3
MILH360	World War II	3
MILH370	The Korean War	3
MILH371	The Vietnam War	3

Select 2 courses from the following:		6
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH480	Special Topic: Military History [1]	
MILH490	Independent Study: History [1]	
Total Semester Hours		30

[1] Students will need permission from the Department Chair to take this course.

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
HIST491	Writing a Research Proposal	3
MILH498	Senior Seminar in Military History (to be taken as the last course before graduation) [1]	3
Total Semester Hours		6

[1] Prerequisite: HIST491 - Writing a Research Proposal. Senior Standing and completion of all major courses prior to enrollment. May not be taken concurrently with HIST491.

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Philosophy

The Bachelor of Arts in Philosophy is a liberal arts program designed to expose you to eastern, western, and contemporary philosophers, while examining myths, rituals, ethics, and morality. You'll be taught to think critically and objectively, to write clearly and effectively, and to develop creative solutions to unique situations. This online bachelor's degree helps to prepare you for professions requiring a high level of analytical thought such as think tanks and legal professions.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Discuss the historical development and evolution of philosophy from its origins through contemporary times.
- Explain the various schools of philosophical and moral thought, the history behind their development, and the rationale for their acceptance and practice.
- Recognize and apply logic: what makes a deductive argument valid or an inductive argument strong; an action moral or immoral; a statement believed to be true.
- Stake out a philosophical position in a written composition and critically analyze a philosophical question.
- Analyze and evaluate philosophical arguments from historical and contemporary sources.
- Apply philosophical inquiry to contemporary events.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		27
Select one of the following concentrations:		15
General Concentration (p. 280)		
Ethics (p. 280)		
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL110	Critical Thinking	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	

ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (27 semester hours)

Code	Title	Semester Hours
PHIL101	Introduction to Philosophy (Prerequisite for all Major Courses)	3
PHIL200	Introduction to Ethics	3
COLL300	Research, Analysis, and Writing	3
PHIL300	Logic	3
PHIL302	Ancient Western Philosophy	3
PHIL303	Medieval Philosophy	3
PHIL415	Enlightenment Philosophy	3
PHIL416	Modern & Post-Modern Philosophy	3
PHIL400	Contemporary Issues in Philosophy	3
It is recommended, but not required, that the following be taken in sequence if scheduling allows:		
PHIL302	Ancient Western Philosophy	
PHIL303	Medieval Philosophy	
PHIL415	Enlightenment Philosophy	
PHIL416	Modern & Post-Modern Philosophy	
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from either a General Concentration or a Concentration in Ethics.

General Concentration Requirements (15 semester hours)

This general concentration allows you to select from all concentration courses offered in this program, including ethics, moral issues, military philosophy, religion, and more.

Code	Title	Semester Hours
Select 5 courses from the following:		15
PBHE215	Healthcare: Moral Issues	
CMRJ308	Ethics in Criminal Justice	
MGMT314	Management Ethics	
MILH304	Readings in Military Philosophy	
PHIL320	Environmental Ethics	
PHIL410	God and World	
RELS411	Religious Existentialism	
Total Semester Hours		15

Concentration in Ethics (15 semester hours)

Ethics is becoming an increasingly important concern in different fields of endeavor from Wall Street to Main Street and from the playground to the battleground. What constitutes right action? Are we doing the right things? What should we be doing to ensure a good life for us, our families, our nation, and our world?

Objectives

Upon successful completion of this concentration, the student will be able to:

- Engage the philosophical theories underpinning ethical theories and judgment.
- Assess the importance of individual moral behavior and communal ethical standards and the relationship between the two.
- Explore the influences of religion, politics and psychology on ethical theories and choices.
- Assess standard models of ethics for their strengths and weaknesses.
- Apply ethical theories to particular situations in leadership, military, business, health care, government, and environmental contexts.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
PBHE215	Healthcare: Moral Issues	3
CMRJ308	Ethics in Criminal Justice	3
COMM280	Ethics in Communication	3
MGMT314	Management Ethics	3
PHIL320	Environmental Ethics	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PHRL498	Religion and Philosophy Capstone (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Political Science

The Bachelor of Arts in Political Science does more than teach about politics – it empowers you with the skills needed to inquisitively question political systems. Questions like: How does a federal republic differ from a democracy? How does a party system affect governance? These are the types of questions that political scientists explore, but they also represent issues that require ordinary citizens to make informed judgments. Knowledge gained in this online program can be applied to the gaining and holding of elected positions, or to careers in government and military service or other professions where strong interpersonal and communication skills are required.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

Political Theory and Systems

- Analyze the fundamental theories and philosophies of government, governance, economy, and civil society.
- Compare and contrast the political elements of representative democracy and with other political systems.

The United States Political System

- Assess the three institutions of government that create and implement federal policy.
- Analyze the historical evolution and contemporary manifestations of the federal system.

Political Parties and Interest Groups

- Analyze the various roles of interest groups in the United States in both historical and modern democratic processes.
- Assess the impact of political parties on federal, state, and local government.
- Analyze the concept of diversity in American politics, to include gender, ethnicity, and age.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		27
Select one of the following concentrations:		15
American Government (p. 285)		
International Relations (p. 286)		
Political Theory (p. 286)		
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ENGL102	Effectiveness in Writing	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	

GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		

Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (27 semester hours)

Code	Title	Semester Hours
IRLS200	Information Literacy and Global Citizenship	3
POLS210	American Government I	3
POLS213	Political Theory	3
IRLS300	Comparative Political Systems	3
POLS301	Ethics in Politics	3
POLS311	Political Parties and Interest Groups	3
POLS312	State, Local, and Community Politics	3
SOCI311	Political Sociology	3
POLS410	Public Policy	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from the Concentration in American Government, the Concentration in International Relations, or the Concentration in Political Theory.

Concentration in American Government (15 semester hours)

Expands on the fundamental elements introduced in POLS210 - American Government. Includes a more in-depth look into the American federal system, details on the U.S. judicial system and constitutional law, the operation of U.S. intelligence community, and the factors that affect political decision making in the U.S.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the interdisciplinary field of political psychology and how it relates to the study of American politics.
- Explain the philosophical basis and functioning of the American republic.
- Analyze threats against the United States from nation states, non-state actors, and transnational groups.
- Identify historical events and figures that have contributed to the present-day court system in America.
- Describe how and why the Constitution developed.

Code	Title	Semester Hours
POLS211	American Government II	3
LSTD204	Introduction to the Courts	3
INTL301	U.S. Intelligence Community	3
LSTD301	Constitutional Law	3
POLS401	The Psychology of American Politics	3
Total Semester Hours		15

Concentration in International Relations (15 semester hours)

Explores various international issues affecting the world today, such as human rights and the global economy. Topics include the United Nations, NATO, national and transnational justice, and international civil order. Completion of this concentration may lead to eligibility to obtain a Peace Operations Training Institute certificate.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain how global issues, such as globalization and human rights, affect international relations.
- Discuss how international organizations, such as the United Nations and NATO, define collective security, particularly regarding peacekeeping operations.
- Describe how international justice is established and enforced.
- Examine various global development initiatives to reverse failed and failing nation-states.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
IRLS211	International Relations II	3
IRLS301	International Organizations	3
IRLS302	International Development	3
IRLS405	National and Transnational Justice	3
IRLS417	International Civil Order	3
Total Semester Hours		15

Concentration in Political Theory (15 semester hours)

This concentration includes a heavy grounding in philosophy, which is designed to help describe how political theory has evolved through the centuries. Courses cover ancient philosophers, such as Aristotle, to more modern figures like Marx, as well as major contemporary political issues like capital punishment, abortion, and freedom of thought.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Discuss the development and evolution of political theory from their origins to contemporary times.
- Analyze and evaluate political theoretical arguments from historical to contemporary sources.
- Apply political theoretical inquiry to contemporary events.

- Evaluate how philosophy influences political theory over time.
- Critique current political theories for validity.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
PHIL101	Introduction to Philosophy (This course is required as the first course in the concentration.)	3
PHIL302	Ancient Western Philosophy	3
PHIL400	Contemporary Issues in Philosophy	3
PHIL415	Enlightenment Philosophy	3
PHIL416	Modern & Post-Modern Philosophy	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
POLS497	Senior Seminar in Political Science (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Psychology

The Bachelor of Arts in Psychology examines the workings of the human mind by studying aspects of developmental, organizational, and abnormal psychology. Emphasis is on applying the science of human behavior to vocational, personal, academic, and clinical settings. This online bachelor's degree is intended for students who plan to work in public-facing professions such as politics, law, counseling, human services, education, law enforcement, military service, human-computer interaction, and public management.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Articulate the major theoretical, historical, and conceptual ideas that underpin the broad discipline and specialty areas of psychology.
- Delineate the education, training, roles and professional responsibilities of psychologists.
- Compare methodologies used in psychological research and data analysis.
- Apply results of psychological research to contemporary issues in the field.
- Evaluate how behavior is influenced by internal, environmental, and soci-cultural factors.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		48
Final Program Requirements		3
Elective Requirements		39
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	

FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
PSYC101	Introduction to Psychology	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	

IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		27

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (48 semester hours)

Code	Title	Semester Hours
PSYC102	Professional Careers and Education in Psychology	3
PSYC221	Personality Theories	3
CHFD342	Human Life Span Development	3
PSYC303	Learning and Cognition	3
PSYC300	Research Methods in Psychology	3

SOCI332	Statistics for Social Science	3
PSYC304	Perception	3
PSYC305	History and Systems of Psychology	3
PSYC325	Biopsychology	3
PSYC406	Psychopathology	3
Select 6 courses from the following 2 categories:		18
Social/Developmental Psychology		
PSYC201	Introduction to Social Psychology	
CHFD220	Human Sexuality	
CHFD308	Infant-Toddler Development	
CHFD215	Introduction to Child Development	
CHFD307	Child and Adolescent Development	
PSYC343	Adult Development	
Clinical/Forensic/Applied Psychology		
PSYC431	Psychology of Disaster	
PSYC432	Psychology of Combat	
PSYC360	Psychology of Terrorism	
PSYC460	Sports Psychology	
PSYC324	Psychology of Addiction & Substance Abuse	
Total Semester Hours		48

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PSYC498	Senior Seminar in Psychology (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Religion

The Bachelor of Arts in Religion allows students to study the cultural, political, and spiritual aspects of religion while being exposed to the theological tenets of religious thought and expression. You'll experience a multidisciplinary approach to religious study from the viewpoints of both participant and critic. The origin, history, beliefs, and practices of the major religions of the world are also examined. Graduates of this online bachelor's degree are inclined toward professions that include aspects of human services and pastoral assistance.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Define the term "religion" and identify religion's influence throughout society.
- Identify and summarize the universal and unique forms of religious expression such as sacred places, symbols, ethics, and rituals.
- Describe the concepts that comprise a religious worldview such as the creation of the world, good and evil, salvation, and the meaning of suffering.
- Discuss the various political, social, and other forms of religious life that are evident in different societies.
- Synthesize knowledge of the cultural, social, scientific and religious aspects of society.
- Explain the role that faith can play in a balanced worldview.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	

ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Science (6 semester hours) [1]		
SOCI111	Introduction to Sociology	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	

ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (42 semester hours)

Code	Title	Semester Hours
RELS101	Introduction to the Study of Religion	3
RELS201	Introduction to World Religions	3

RELS202	Religion in America	3
COLL300	Research, Analysis, and Writing	3
SOCI420	Sociology of Religion	3
PHIL410	God and World	3
RELS405	Myth and Ritual	3
RELS411	Religious Existentialism	3
Select 6 courses from the following:		18
RELS211	Introduction to the Old Testament	
RELS212	Introduction to the New Testament	
RELS311	Introduction to the Bible	
RELS330	Religions of the Middle East	
RELS350	Hinduism	
RELS351	Buddhism	
RELS422	The Teachings of Jesus	
RELS452	Religious Cults	
Total Semester Hours		42

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PHRL498	Religion and Philosophy Capstone (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Retail Management

The Bachelor of Arts in Retail Management emphasizes both theoretical knowledge and the practical skills needed to effectively manage a variety of retail operations. This online bachelor's degree will focus on interpersonal, managerial, human resource, leadership, communication, and the critical thinking skills necessary for success in the retail industry. Completion of this online program can help to propel your current career as a professional retail store manager, or to help you prepare for new retail management positions.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply the principles and theories of planning, organizing, staffing, directing, leading, and controlling in retail management used by successful retailers in today's global economy.
- Assess the importance of retail strategy formulation and strategic perspectives of retail management on the impact of retailing in the global economy.
- Deconstruct the impact of innovation within the retail industry to include its challenges and solution-driven strategies to remain current with today's ever-changing technologies.
- Evaluate retail operations to include successful implementation strategies and operational processes that maximize store profits.
- Summarize and assess retail merchandising operations in the competitive marketplace in relation to corporate profitability.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		39
Final Program Requirements		3
Elective Requirements		48
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	

LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	

ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (39 semester hours)

Code	Title	Semester Hours
RTMG300	Retail Strategy	3
RTMG301	Retail Innovation	3
RTMG302	Retail Operations	3
RTMG303	Retail Merchandising Operations	3
HRMT407	Human Resource Management	3
MGMT310	Principles and Theory of Management	3
MGMT410	Strategic Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MKTG307	Consumer Behavior	3
TLMT311	Introduction to Transportation Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		39

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
RTMG495	Senior Seminar in Retail Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (48 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Retail Management - Momentum

With this Momentum program, instead of attending classes, you'll work with faculty mentors to demonstrate your mastery in one competency area and move to the next until you complete your degree. You must have a conferred associate degree (A.A. or A.S.) from an accredited college to enroll in this program. To learn more about Momentum, contact an admissions representative or your academic advisor.

The Bachelor of Arts in Retail Management emphasizes both theoretical knowledge and the practical skills needed to effectively manage a variety of retail operations. This online bachelor's degree will focus on interpersonal, managerial, human resource, leadership, communication, and the critical thinking skills necessary for success in the retail industry. Completion of this online program can help to propel your current career as a professional retail store manager, or to help you prepare for new retail management positions.

Degree Requirements (60 semester hours)

A conferred associate of arts or associate of science degree (or higher degree) is required for admission into any Momentum program. This conferred degree fulfills the first 60 credits toward the Momentum bachelor's degree.

Momentum Requirements (61 semester hours)

MGMT310 - Principles & Theory of Management

- MGMT310A - Evolution of Management: Evaluate management principles in order to identify their strengths, weaknesses, and applicability to various environments.
- MGMT310B - Organizational Ethics: Develop an organizational chart that accurately reflects an organization's objectives and values.
- MGMT310C - Onboarding Principles: Identify leadership strengths and weaknesses that comprise the key elements of a successful employee evaluation process that reflects the organization's objectives.

MGMT312 - Leadership & Motivation

- MGMT312A - Leadership Theories: Explain the differences between management and leadership skills and identify the skills leaders need to be successful and contribute to the success of an organization.
- MGMT312B - Leadership Approaches: Compare and contrast various leadership styles/approaches to evaluate their usefulness in motivating employees, hiring the right leader for the right job, and successfully accomplishing strategic priorities.
- MGMT312C - Leadership Motivation: Evaluate your personal leadership and motivation skills to determine your management style and to identify areas for improvement.

MGMT314 - Management Ethics

- MGMT314A - Business Ethics: Analyze the role ethics plays in domestic policy and corporate governance.
- MGMT314B - Ethical Values: Describe the role that ethics, rules, and regulations play in recruiting, hiring, training, and promoting a diverse workforce.
- MGMT314C - Business Conduct: Analyze an ethical dilemma faced by a business and assess the consequences of decisions on multiple constituencies.

MGMT315 - Management Communications

- MGMT315A - Communication Strategies: Apply appropriate communication strategies to ensure messages are relayed to internal and external stakeholders of an organization.
- MGMT315B - Communicating Financial Position: Communicate an organization's financial position to its executives and investors.
- MGMT315C - Resume Creation: Construct a resume outlining your education, skills and experience.

MKTG307 - Consumer Behavior

- MKTG307A - Organizational Usage: Evaluate how organizations have used consumer behavior concepts to influence consumer decision-making.
- MKTG307B - Successful Marketing Strategies: Analyze how organizations incorporate consumer behavior concepts into successful marketing strategies.
- MKTG307C - Delivering Marketing Messages: Analyze recent consumer based trends and how marketers develop strategies to use the Internet, ecommerce, and information technology to deliver marketing messages to consumers.

RTMG300 - Retail Strategy

- RTMG300A - Retail Strategy Creation: Analyze the creation, implementation, and evaluation of various retail strategies including Porter's nine value-creating activities.
- RTMG300B - Innovative Technological Updates: Identify areas where innovative technological updates may be implemented in order to increase stakeholder return.
- RTMG300C - Competitive Position: Evaluate methods retailers use to diagnose their competitive position in the retail environment.

BUSN313 - Global & Competitive Strategy

- BUSN313A - Strategic Management: Identify elements that influence the strategic management of a company.
- BUSN313B - The Organizational Environment: Identify a company's organizational environment and evaluate whether it has an effect on performance.
- BUSN313C - Strategies and Alliances: Evaluate organizational strategies and alliances within a company to achieve organization goals and objectives.

BUSN410 - Critical Thinking Strategies for Business Decisions

- BUSN410A - Defining a Business Problem: Identify and articulate a business problem.
- BUSN410B - The Decision-Making Process: Analyze models and techniques used in the decision-making process.
- BUSN410C - Overcoming Organizational Barriers: Evaluate various decision-making processes, their ethical implications, and implementation outcomes in order to develop strategies to overcome organizational barriers.

MGMT410 - Strategic Management

- MGMT410A - Competitive Advantages: Evaluate the internal and external environments of a new venture in order to determine its competitive advantages in the market.
- MGMT410B - Acquisitions, Mergers, Partnerships: Assess the strategies a company utilizes when deciding whether or not to acquire, merge, or partner with another company.
- MGMT410C - Innovative Marketing Strategies: Evaluate business processes that utilize internet and e-business capabilities to enhance innovative marketing strategies.

TLMT311 - Introduction to Transportation & Logistics Management

- TLMT311A - Modes of Transportation: Compare and contrast the various modes of transportation in order to assess their impact on the U.S. economy.
- TLMT311B - Impact of External Factors: Explain how external factors such as social, financial, regulatory and political forces impact the four major modes of transportation (motor, rail, air, pipeline).
- TLMT311C - Global Supply Chain Management: Evaluate transportation planning strategies in order to manage an efficient global supply chain management system.

TLMT313 - Supply Chain Management

- TLMT313A - Maximum Contribution: Evaluate supply chain management concepts to identify those that provide maximum contribution to success.
- TLMT313B - Effectiveness of a Supply Chain: Explain the most important techniques a Supply Chain Manager can use to ensure the effectiveness of a supply chain.
- TLMT313C - Global Supply Chain Risks: Identify a personal management philosophy and explain how this impacts the way you manage global supply chain risks.

HRMT407 - Human Resource Management

- HRMT407A - Compensation and Benefits: Develop a comprehensive compensation and benefits program for an organization.
- HRMT407B - Retention Program: Compare and contrast various appraisal methods and employee rating scales to develop an effective retention program.
- HRMT407C - Successful HR Program: Utilize external factors such as collective bargaining procedures, safety in the workplace, and global recruiting strategies to create a successful human resource program for an organization.

HRMT413 - Employment & Labor Relations

- HRMT413A - Employee Relations Strategies: Utilize employment and labor laws to craft employee relations' strategies, policies and procedures.
- HRMT413B - Communication Plan: Develop a communication plan for use during negotiations with unions that incorporates an organization's core values.

- HRMT413C - Conflict Resolution Strategies: Analyze the types of conflict resolution strategies and company policies an organization may use to ensure a balanced and harmonious work environment.

MKTG304 - Public Relations

- MKTG304A - PR and Ethical Standards: Evaluate how organizations use public relations practices to ethically communicate with external audiences.
- MKTG304B - Communication Frameworks: Assess communication frameworks used by organizations in public relations efforts.
- MKTG304C - Communication Methods: Compare and contrast communication directed towards print and electronic media, employee, government, consumer and international relations.

RTMG301 - Retail Innovation

- RTMG301A - Relationships with Vendor Partners: Critique the competitive nature of the retail industry and the importance of relationships with vendor partners.
- RTMG301B - Global Retail Merchandising: Compare and contrast various methods, theories, and strategies utilized by retailers in order to identify their usefulness for retail merchandising in the global environment.
- RTMG301C - Satisfying Customer Expectations: Evaluate the challenges with implementing new technologies and innovations to satisfy customer expectations.

RTMG302 - Retail Operations

- RTMG302A - Ensuring Profitability: Apply retail operations, competitive concepts, and operational strategies to manage inventory value, merchandise mix, and pricing strategies to ensure profitability.
- RTMG302B - Operational Performances: Evaluate the operational performances that direct the flow of goods and services in order to identify key elements of a successful global retail operation.
- RTMG302C - Operational Practices and Success: Analyze various operational practices to determine how social trends, visual communication, store design, employee recruitment, and consumer value propositions impact the success of a retailer.

RTMG303 - Retail Merchandising Operations

- RTMG303A - Corporate Profitability: Evaluate impact of retail merchandising operations on profit margins and corporate profitability.
- RTMG303B - Techniques, Theories, and Resources: Compare and contrast techniques, theories, and resources in successful retail merchandising operations.
- RTMG303C - Remaining Competitive: Describe the significance of retail merchandising operations and blending in a competitive market.

MGMT311 - Organizational Behavior

- MGMT311A - Solving Managerial Problems: Apply motivational strategies to produce a plan of action on solving potential managerial problems.
- MGMT311B - Resolving Conflict: Develop an action plan to resolve conflict in the workplace.

- MGMT311C - Workplace Problems: Examine the collaborative decision making model to determine what skills a leader needs to resolve problems in the workplace.

MGMT313 - Organizational Change

- MGMT313A - Managing Organizational Change: Compare and contrast behavioral, cognitive, psychodynamic, and humanistic approaches in managing organizational change.
- MGMT313B - Organizational Restructuring: Evaluate the theoretical models and approaches to organizational restructuring.
- MGMT313C - Team Types: Compare and contrast the various types of teams that a leader uses to manage organizational change, and assess the appropriate leadership skills for the stages of organizational change.

RTMG495 - Senior Seminar in Retail Management

- RTMG495A - Management Philosophies: Analyze the role employee empowerment plays in a functional management philosophy.
- RTMG495B - Resources in Retail Operations: Evaluate the role transportation, logistics, supply chain management, and other organizational resources play in retail operations.
- RTMG495C - Short and Long-Term Goals: Analyze strategy formulation, design, implementation, and control, and how these impact short and long-term goals.
- RTMG495D - Concepts and Learning Experiences: Develop a resume that demonstrates your ability to integrate concepts and learning experiences in Retail Management.

Total = 121 semester hours

Bachelor of Arts in Reverse Logistics Management

Our Bachelor of Arts in Reverse Logistics Management is designed to educate a new generation of professionals in reverse logistics management, retail management, and engineering management in complex military or business environments. In today's competitive business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. This online degree program provides you with knowledge of current applications of reverse logistics and opportunities to study practical applications in domestic and international transportation and logistics scenarios.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		12
General (p. 308)		
Entrepreneurship (p. 308)		
Transportation and Logistics Management (p. 309)		
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	

LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3

Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
COLL300	Research, Analysis, and Writing	3
ECON102	Macroeconomics	3
RLMT301	Introduction to Reverse Logistics Management	3
RLMT302	Environmental Issues in Reverse Logistics	3
RLMT303	Technology in Reverse Logistics	3
RLMT304	Reverse Logistics Policies and Procedures	3
RLMT305	Cost and Benefit Analysis of Reverse Logistics	3
RLMT306	Green Logistics Programs and Issues	3
TLMT312	Transportation Economics	3
TLMT405	Best Practices in Reverse Logistics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, a Concentration in Entrepreneurship, or a Concentration in Transportation and Logistics Management.

General Concentration (12 semester hours)

This general concentration allows you to select from other concentration courses offered in this program. Selecting the general concentrations enables you to create your own focused area of study.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
MGMT312	Leadership & Motivation	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
TLMT318	Hazardous Materials Transportation	
Total Semester Hours		12

Concentration in Entrepreneurship (12 semester hours)

Provides entrepreneurial techniques and concepts that you can apply to startup businesses or to create new reverse logistics systems in an existing organization. You will strengthen your customer service skills as you learn how to put the customer first and to deliver superior service to both internal and external customers.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Establish entrepreneurial factors affecting product and services in the reverse logistic environment
- Apply customer service skills to entrepreneurial projects, programs or organizations
- Analyze entrepreneurial ventures understand sources of funding and other legal requirements

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ENTR150	Idea Generation	3
ENTR216	Service Innovation and Delivery	3
Select 2 courses from the following:		6
ENTR311	Business Plan Foundations	
ENTR315	Financing a New Venture	
ENTR320	Practical Law for the Entrepreneur	
Total Semester Hours		12

Concentration in Transportation and Logistics Management (12 semester hours)

Delves into the different historical, procedural, and technological trends in transportation and logistics as well as reverse logistics. You will gain an understanding of the interface between forward and reverse logistics, as well as the entire supply chain for different organizations.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply systems analysis to transportation, logistics and supply chain management.
- Understand the transportation systems' political, regulatory and legal issues
- Assess the strengths and weaknesses of major transportation and logistics systems

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
TLMT311	Introduction to Transportation Management	
TLMT313	Supply Chain Management	
TLMT318	Hazardous Materials Transportation	
TLMT341	Logistics Management	
TLMT441	Advanced Business Logistics	
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
RLMT495	Senior Seminar in Reverse Logistics Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Security Management

The Bachelor of Arts in Security Management offers students the opportunity to learn the principles and theories associated with various types of security, from international security to information security focused on protection of assets. You will study global terrorism, legal and ethical issues, physical security, program evaluation, and security administration. Graduates of this online bachelor's degree are inclined toward professions that involve general public or private management, federal or local government civil service, military service, law enforcement, and private security.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify organizational security risk exposure; identify cost-effective mitigation strategies; and prepare for recovery strategies.
- Employ risk analysis and vulnerability assessment processes.
- Critically examine the variety and extent of losses from criminal acts, natural disasters, and security breaches facing society.
- Analyze concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Analyze the trends affecting security and loss prevention and determine the approaches to reduce losses facing businesses and institutions.
- Evaluate, from a multi-disciplinary approach, non-traditional approaches to crime prevention.
- Distinguish between traditional criminal justice roles, functions, and concepts as a reactive institution to the security roles as a preventive societal institution.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		27
Select one of the following concentrations:		15
General Concentration (p. 314)		
Government Security (p. 314)		
Information Security (p. 315)		
Loss Prevention Management (p. 316)		
Final Program Requirements		3
Elective Requirements		45
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	

DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (27 semester hours)

Code	Title	Semester Hours
SCMT101	Introduction to Security Management	3
SSGS300	Research Design and Methods	3
SCMT319	Global Terrorism	3
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Government Security, a Concentration in Information Security, or a Concentration in Loss Prevention Management.

General Concentration Requirements (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 5 courses from the following:		15
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
ISSC422	Information Security	
SCMT379	School and Campus Security	
SCMT392	Industrial Espionage	
SCMT396	Protective Services	
Total Semester Hours		15

Concentration in Government Security (15 semester hours)

Offers an overview of many of the primary laws and policies that drive the U.S. government's security apparatus, such as the U.S. Constitution, executive orders, and the National Industrial Security Program Operating Manual. Evaluates industrial and economic espionage threats and techniques in all forms and modes of attack, as well as information assurance techniques in U.S. government security applications.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Interpret the fundamental government requirements for establishing and maintaining full spectrum security programs.
- Categorize government, industry and military infrastructure within the scope of the concept of Critical Infrastructure Protection.
- Evaluate and counter industrial and economic espionage threats and techniques in all forms and modes of attack.

- Analyze Personnel Security as a key component in the protection of National Security Information, to include background investigations, continuing evaluation, and security awareness.
- Appraise the criteria for properly constructing U.S. government-sponsored facilities and securing such facilities appropriately.
- Utilize Information Assurance techniques and technologies in U.S. government security applications.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
SCMT301	Foundations of U.S. Government Security	3
SCMT302	Protecting U.S. Government Facilities	3
SCMT303	U. S. Government Personnel Security	3
SCMT392	Industrial Espionage	3
Total Semester Hours		15

Concentration in Information Security (15 semester hours)

Covers techniques and technologies used to design, develop, and deploy effective information security solutions against attacks; security planning and policy principles that focus on a variety of security guidelines, policies, and plans; and industrial espionage threats and techniques that use information technology modes of attack.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Use analytical, logical, and critical thinking abilities to analyze organizational information security requirements.
- Apply techniques and technologies to design, develop, and deploy effective information security solutions to defend against attacks.
- Develop computer and network security solutions and apply audit practices and processes to secure organizational assets and prevent losses.
- Appraise security planning and policy principles that focus on a variety of security guidelines, policies and plans.
- Evaluate and counter industrial espionage threats and techniques that use information technology modes of attack.
- Relate law enforcement intelligence applications and templates to support investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
CMRJ320	Law Enforcement Intelligence Applications	
ISSC362	IT Security: Attack & Defense	
ISSC421	Computer and Network Security	
ISSC422	Information Security	
ISSC471	IT Security: Auditing	
ISSC481	IT Security: Planning and Policy	
ITMG381	Cyberlaw and Privacy in a Digital Age	
SCMT392	Industrial Espionage	
Total Semester Hours		15

Concentration in Loss Prevention Management (15 semester hours)

Examines risk situations, management concepts and techniques, and the impact of safety and compliance policies from a company perspective. Topics include: various strategies and safety aspects of risk management; supply chain management's role in retail operations; risks associated with the global distribution chain and mitigation; and the types of loss experienced by retailers.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the types of loss retailers' experience.
- Compare and contrast various Risk Management strategies.
- Explain compliance and safety aspects of Risk Management.
- Describe the strategic and operational role of human resource management.
- Examine the role of Supply Chain Management in retail operations.
- Analyze the risks associated with the global distribution chain and mitigation.
- Prepare for LPQ Certification.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RTMG202	Risk Management	3
RTMG220	Retail Asset Protection	3
RTMG302	Retail Operations	3
HRMT407	Human Resource Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SCMT498	Senior Seminar in Security Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of major courses prior to enrollment.

Elective Requirements (45 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Sociology

The Bachelor of Arts in Sociology uses the unique view and perspective of sociology to study all forms of human behavior and interaction from the individual and small groups to institutions and globalization. You will develop a sociological imagination that opens windows into unfamiliar worlds and provides a fresh look at familiar worlds. Research, empirical, and theoretical analysis skills, as well as critical thinking and information literacy skills will be developed. Knowledge gained in this online sociology degree is well suited to a career in politics, civil service, health care, family support services, public or private management, or law.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Differentiate major paradigms, classic and contemporary theories that inform the study of sociology.
- Analyze social behavior using a sociological imagination.
- Identify how social stratification influences social inequality.
- Discuss how the individual self-concept is directly influenced by social processes and social structures.
- Evaluate appropriate ethical considerations, methodological approaches and analysis techniques for sociological research.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Select one of the following concentrations:		15
Community Action (p. 320)		
Education (p. 320)		
Health (p. 321)		
Public Policy (p. 321)		
Social Justice (p. 322)		
Final Program Requirements		3
Elective Requirements		51
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	

LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	

HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (21 semester hours)

Complete at least 2 courses in the Major section before taking SOCI331 or SOCI332.

Code	Title	Semester Hours
SOCI213	Society, Interaction, and the Individual	3
SOCI214	Stratification and Inequality	3
SOCI215	Social Deviance	3
SOCI303	Classical Sociological Theory	3
SOCI305	Contemporary Sociological Theory	3
SOCI331	Research Methods for Sociology	3
SOCI332	Statistics for Social Science	3
Total Semester Hours		21

Students must choose a concentration for this degree program and may select from a Concentration in Community Action, Concentration in Education, Concentration in Health, Concentration in Public Policy, or a Concentration in Social Justice.

Concentration in Community Action (15 semester hours)

This interdisciplinary concentration will prepare sociology students for careers that relate to community organization and action. Students will explore organizations, agents of social change, religious organizations, and the role of the family in communities.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply the sociological imagination to understanding different types of communities and the motivation of communities to engage in action.
- Analyze communities using organizational sociology theories.
- Identify career paths for sociologists with expertise in community organization and action.

Code	Title	Semester Hours
SOCI312	Organizational Sociology	3
SOCI403	Social Change	3
SOCI420	Sociology of Religion	3
SOCI421	Sociology of the Family	3
CHFD446	Families and Social Action	3
Total Semester Hours		15

Concentration in Education (15 semester hours)

This interdisciplinary concentration will prepare sociology students for education related career fields. Students will explore organizations, social movements and social change, learning theory, and strategies for measuring and evaluating education programs and institutions.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast education practices and systems using a sociological perspective.
- Evaluate the historical and current relationships between education, inequality, and socioeconomics.
- Identify career paths for sociologists in education related fields.

Code	Title	Semester Hours
SOCI312	Organizational Sociology	3
SOCI403	Social Change	3
EDUC340	Adult Learning Theory	3
CHFD350	Family Life Education	3
EDUC402	Measurement and Evaluation	3
Total Semester Hours		15

Concentration in Health (15 semester hours)

This interdisciplinary concentration will prepare sociology students for health related career fields. Students will explore sociological factors that play a role in health and illness, the history of healthcare institutions, the process of aging and death. Students will examine public health issues in both national and international contexts using a sociological lens.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the historical and current relationships between health, inequality, and socioeconomics using sociological theories.
- Apply a sociological perspective to evaluating different healthcare systems.
- Identify career paths for medical sociologists in public health and other healthcare related fields.

Code	Title	Semester Hours
SOCI307	Sociology of Aging	3
SOCI423	Sociology of Health and Illness	3
SOCI424	Sociology of Death and Dying	3
PBHE209	Wellness: Health Promotion and Disease Prevention	3
PBHE211	Public Health in America	3
Total Semester Hours		15

Concentration in Public Policy (15 semester hours)

This interdisciplinary concentration will prepare sociology students for careers related to understanding the sociological and bureaucratic factors that relate to public policy in local, national, and international settings. Students will apply sociological theory to understand organizations, political institutions, law, and social change.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze social problems and the public policies and programs designed to solve them.
- Apply a sociological perspective to historical and current issues in public policy such as voting rights, incarceration, and workplace rights.
- Identify career paths for sociologists in public service, administration, and other organizations.

Code	Title	Semester Hours
SOCI311	Political Sociology	3
SOCI312	Organizational Sociology	3
SOCI422	Sociology of the Law	3
SOCI403	Social Change	3
POLS410	Public Policy	3
Total Semester Hours		15

Concentration in Social Justice (15 semester hours)

This interdisciplinary concentration will prepare sociology students for careers in promoting and supporting social justice issues in local, national, and international settings. Students will examine social justice issues related to race and ethnicity as well as gender and sex. Courses will also examine social movements and social change as well as leadership and organizational culture.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine causes and consequences of poverty at local, national, and international levels.
- Evaluate availability and effectiveness of social welfare programs and explore new strategies for increasing social justice.
- Identify career paths for sociologists in organizations addressing social justice and social welfare issues.

Code	Title	Semester Hours
SOCI306	Race and Ethnicity	3
SOCI312	Organizational Sociology	3
MGMT312	Leadership & Motivation	3
SOCI403	Social Change	3
SOCI404	Gender and Society	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SOCI498	Senior Seminar in Sociology (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: SOCI111 and completion of all major and elective courses prior to enrollment.

Elective Requirements (51 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Supply Chain Management

The Bachelor of Arts in Supply Chain Management focuses on the management of supply chain processes, activities, and costs related to serving customers. This degree includes an emphasis on capacity planning, demand management, order management, warehouse management, reverse logistics, and transportation and acquisitions management. Students will take coursework specifically highlighting problem-solving, critical thinking and development of accurate management performance measures related to the supply chain. This versatile degree helps to prepare students for job opportunities in many industries. Businesses, regardless of size, rely on the supply chain to get products to their customers.

Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Classify supply chain solutions using problem-solving and decision-making skills.
- Demonstrate an overall knowledge of supply chain management areas of capacity planning, demand management, order management, warehouse management, and transportation.
- Apply supply chain management principles to business situations.
- Identify supply chain management best practices.
- Explain how to improve the operational efficiencies of a supply chain.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		15
General Concentration (p. 326)		
Government Contracting and Acquisitions (p. 326)		
Reverse Logistics Management (p. 327)		
Transportation and Logistics Management (p. 328)		
Final Program Requirements		3
Elective Requirements		42
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	

LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
ECON101	Microeconomics	3
Select 1 course from the following:		3
COMM211	Social Media and Society (Required)	
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3

Select 1 course from the following:		3
COMM200	Public Speaking	
COMM285	Interpersonal Communications	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT100	Accounting I	
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 (https://catalog.apus.edu/search/?P=ENGL101) - Proficiency in Writing or ENGL110 (https://catalog.apus.edu/search/?P=ENGL110) - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
ECON102	Macroeconomics	3
DEFM200	Fundamentals of Contracting and Acquisition	3
SCMG201	Principles of Supply Chain Management	3
TLMT200	Retail Shipping and Receiving	3
COLL300	Research, Analysis, and Writing	3
SCMG301	Supply Chain Risk Management	3
SCMG305	Global Demand Management	3
TLMT311	Introduction to Transportation Management	3
TLMT313	Supply Chain Management	3
RLMT301	Introduction to Reverse Logistics Management	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Government Contracting and Acquisitions, Concentration in Reverse Logistics Management, or the Concentration in Transportation and Logistics Management.

General Concentration (15 semester hours)

This general concentration allows you to select from different concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
DEFM310	Program and Acquisition Management I	3
Select 2 courses from the following:		6
TLMT331	Fundamentals of Intermodal Transportation	
TLMT341	Logistics Management	
TLMT351	Packaging	
TLMT352	Distribution Systems	
TLMT441	Advanced Business Logistics	
Select 2 courses from the following:		6
RLMT302	Environmental Issues in Reverse Logistics	
RLMT305	Cost and Benefit Analysis of Reverse Logistics	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
Total Semester Hours		15

Concentration in Government Contracting and Acquisitions (15 semester hours)

The Concentration in Government Contracting and Acquisitions is designed to educate students regarding how government contracts and acquisition work. Students will have an opportunity to understand how government contracts are being used in their military or government-related

civilian organizations. This concentration will educate the student to the Federal Acquisition Regulation (FAR) regulations and how they apply to government contracts. The student will learn about and apply the concepts of costs, overhead components, and assets as they apply to government contracts and acquisitions.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply different techniques and methods to analyze different contractors' proposals and contracts.
- Comprehend the basics of government contracting as well as the political, regulatory and legal issues.
- Synthesize overhead and other contractual factors and costs.
- Apply the Federal Acquisition Regulations as they pertain to government contracts.

Code	Title	Semester Hours
DEFM310	Program and Acquisition Management I	3
DEFM311	Program and Acquisition Management II	3
DEFM420	Cost Analysis and Negotiation Techniques	3
DEFM421	Joint Contingency Contracting	3
DEFM424	Overhead Management of Defense Contracts	3
Total Semester Hours		15

Concentration in Reverse Logistics Management (15 semester hours)

The concentration in Reverse Logistics Management is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales. However, within the next three to five years, one will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Code	Title	Semester Hours
RLMT302	Environmental Issues in Reverse Logistics	3
RLMT305	Cost and Benefit Analysis of Reverse Logistics	3
RLMT307	Food and Beverage Reverse Logistics	3
RLMT309	Reverse Logistics Management and Operations	3
RLMT400	Recalls Best Practices and Issues	3
Total Semester Hours		15

Concentration in Transportation and Logistics Management (15 semester hours)

The concentration in Transportation and Logistics Management delves into the different historical, procedural, and technological trends in transportation and logistics as well as reverse logistics. You will gain an understanding of the interface between forward and reverse logistics, as well as the entire supply chain for different organizations.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply systems analysis to transportation, logistics and supply chain management.
- Understand the transportation systems' political, regulatory and legal issues.
- Assess the strengths and weaknesses of major transportation and logistics systems.

Code	Title	Semester Hours
TLMT331	Fundamentals of Intermodal Transportation	3
TLMT341	Logistics Management	3
TLMT351	Packaging	3
TLMT352	Distribution Systems	3
TLMT441	Advanced Business Logistics	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
TLMT498	Senior Seminar in Transportation and Logistics (to be taken as the last course before graduation) [1]	3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied to a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Arts in Transportation and Logistics Management

The Bachelor of Arts in Transportation and Logistics Management focuses on the principles, policies, trends, and current issues within air, maritime, or ground transportation. Transportation and logistics management is at the core of global supply chain management, encompassing manufacturing, distribution, retailing, recreation, and national security industries. This versatile degree helps to prepare you for job opportunities in many industries including the military, government, and large corporations whose success depends on the global fulfillment of customers' requirements.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply systems analysis to transportation, logistics, and supply chain management.
- Relate the multidimensional impact of transportation on the economy, public systems, national and local infrastructure, and the environment.
- Examine the transportation systems' political, regulatory, and legal issues.
- Describe and assess the strengths and weaknesses of the major modes of international transportation.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		15
General Concentration (p. 332)		
Air Cargo (p. 333)		
Reverse Logistics Management (p. 333)		
Final Program Requirements		3
Elective Requirements		42
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
ECON102	Macroeconomics	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	

ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
ITCC231	Introduction to Information Technology Writing	
LSTD205	Legal Research and Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
ECON102	Macroeconomics	3
COLL300	Research, Analysis, and Writing	3
TLMT311	Introduction to Transportation Management	3
TLMT312	Transportation Economics	3
TLMT313	Supply Chain Management	3
TLMT331	Fundamentals of Intermodal Transportation	3
TLMT341	Logistics Management	3
TLMT351	Packaging	3
TLMT352	Distribution Systems	3
TLMT441	Advanced Business Logistics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, a Concentration in Air Cargo, or a Concentration in Reverse Logistics Management.

General Concentration (15 semester hours)

This general concentration allows you to select from other concentration courses offered in this program, plus additional topics. Selecting the general concentrations enables you to create your own focused area of study.

Code	Title	Semester Hours
Select 5 courses from the following:		15
BUSN310	Business Theory	
BUSN419	International Business Management	
EDMG420	Risk Communications	
FINC400	Principles of Financial Management	
FINC405	Budget Development and Execution	
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
INFO331	Management Information Systems	
POLS410	Public Policy	
TLMT318	Hazardous Materials Transportation	
TLMT342	International Logistics Management	
TLMT353	Logistics Management and Operations	
TLMT381	Hazardous Materials Management	
TLMT405	Best Practices in Reverse Logistics	
TLMT411	Air Transportation	
TLMT415	Airport Operations	
TLMT416	Air Cargo Operations and Security	
TLMT442	International Trade and Regulations	
Total Semester Hours		15

Concentration in Air Cargo (15 semester hours)

This concentration is designed to educate a new generation of airport and air operations professionals in air freight forwarding services as a key component in global logistics management, retail management, transportation management, and in accounting best practices to all components of today's complex cargo movement business environment. Students will have an opportunity to understand how air cargo rules of operation are being used in their military or civilian air logistics organization. It will provide students with the knowledge base of current applications and opportunities to study practical applications in domestic and international air transportation and air logistics scenarios.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and challenges of implementing an air freight forwarding management system.
- Explain best practices of air cargo operations.
- Analyze the relationships and interaction among private and public sector stakeholders who secure airport operations from a variety of potential disruptions.
- Understand the role of the airport manager in the management, administration, financing and operating within small, medium, and large hub airports.
- Acquire an in-depth analysis of the complex balance of airport management and air cargo handling companies.
- Understand physical facility planning for cargo management, the economics of airport operation and the organizational structure of related companies who support the movement of air cargo through airports.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
TLMT415	Airport Operations	3
TLMT416	Air Cargo Operations and Security	3
Select 3 courses from the following:		9
FINC400	Principles of Financial Management	
HLSS311	Border and Coastal Security	
MGMT312	Leadership & Motivation	
MGMT331	Leading Yourself Foundations	
TLMT342	International Logistics Management	
TLMT411	Air Transportation	
Total Semester Hours		15

Concentration in Reverse Logistics Management (15 semester hours)

This concentration is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales. However, within the next three to five years, one will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
RLMT302	Environmental Issues in Reverse Logistics	
RLMT303	Technology in Reverse Logistics	
RLMT305	Cost and Benefit Analysis of Reverse Logistics	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
TLMT498	Senior Seminar in Transportation and Logistics (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Business Administration

The Bachelor of Business Administration (BBA) is a professionally focused degree designed to produce graduates who possess practical knowledge and the associated critical thinking skills desired in today's competitive business world. You'll study a core curriculum of management, marketing, law, finance, accounting, economics, and business strategy. Additional concentration options allow you to pursue focused specializations. This comprehensive and affordable business program is applicable for careers in any number of business, government, military, or other professions.

This program offers you the opportunity to learn from experienced instructors who have considerable managerial experience in Fortune 500 companies, and to communicate with fellow business students by participating in online community forums.
This Bachelor of Business Administration has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain and apply fundamental accounting and financial management operations to enhance business decision-making processes.
- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply management, human resource, and personnel practices to organizational problem solving.
- Integrate market and marketing information into a strategic plan.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to business situations.
- Articulate the external and internal environments of a business organization and formulate appropriate strategies in the context of competitive forces and environmental factors.
- Collect information through the use of various data tools and apply critical thinking concepts to enhance business problem solving capabilities.
- Describe how information systems transform business processes within the modern corporate organization.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		36
Select one of the following concentrations:		12
	General Concentration (p. 338)	
	Business Analysis (p. 339)	
	Data Analytics (p. 339)	
	Economics (p. 340)	
	Entrepreneurial/Small Business Management (p. 340)	
	Information Technology Management (p. 341)	
	International Business Management (p. 341)	
	Marketing (p. 342)	
Final Program Requirements		3
Elective Requirements		39
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Science (6 semester hours) [1]		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	

ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL225	Business Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (36 semester hours)

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN235	Personal Finance	3
MKTG201	Fundamentals of Marketing	3
ITCC200	Application Software Integration	3
BUSN311	Law and Ethics in the Business Environment	3
MATH302	Statistics	3
BUSN312	Operations Research	3
BUSN313	Global and Competitive Strategy	3
FINC300	Foundations of Financial Management	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
Total Semester Hours		36

Students must choose a concentration for this degree program and may select from a General Concentration, Business Analysis, Data Analytics, Economics, Entrepreneurial/Small Business Management, Information Technology Management, International Business Management or a Concentration in Marketing.

General Concentration Requirements (12 semester hours)

This general concentration allows you to select from dozens of different concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 4 courses from the following:		12
BUSN316	Fundamentals of Entrepreneurship	
BUSN318	Small Business Management	
BUSN320	Principles of E Business	
BUSN330	Fundamentals of Business Analysis I	
BUSN331	Fundamentals of Business Analysis II	
BUSN333	Project Management for Business Analysts	
BUSN334	Strategic Alignment in Business Analysis	
BUSN412	Quality Management Systems	
BUSN415	Small Business Growth and Development	
BUSN419	International Business Management	
BUSN490	Business Administration Independent Study	
ECON301	Comparative Economics	
ECON302	Environmental Economics	
ECON303	International Economics	
ECON304	Monetary Economics	
ENTR311	Business Plan Foundations	
FINC410	International Finance	

ITMG321	Information Technology Project Management
ITMG371	Contemporary Internet Topics
ITMG421	Virtual Management
MGMT311	Organizational Behavior
MGMT312	Leadership & Motivation
MGMT315	Management Communications
MKTG307	Consumer Behavior
MKTG400	Marketing Research
MKTG401	Marketing Strategy
MKTG407	International Marketing
WEBD311	Internet Concepts
Total Semester Hours	12

Concentration in Business Analysis (12 semester hours)

Offers a comprehensive review of business requirements gathering, tools, techniques, and documentation suites. Offers project management techniques to define project cycles, measure and estimate efforts, and set priorities.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Evaluate and recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN333	Project Management for Business Analysts	3
BUSN334	Strategic Alignment in Business Analysis	3
Total Semester Hours		12

Concentration in Data Analytics (12 semester hours)

This concentration offers an introduction to the field of data analytics as it is used to handle real-world problem solving and factual decision-making that is based on solid data collection and sound analysis.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast data and information within organization contexts.
- Classify and organize existing sources of data using spreadsheet software tools.
- Analyze historical and current data trends and the implications on organizational decision-making.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
BUSN334	Strategic Alignment in Business Analysis	3
Total Semester Hours		12

Concentration in Economics (12 semester hours)

Covers comparative, environmental, international, and monetary economics. Topics include: current and changing economic conditions and the impacts on consumer behavior and businesses; global economic strategies; the roles and responsibilities of financial institutions; and the use of economic analytical tools to assess environmental problems.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Economics seeks the following specific learning outcomes of its graduates.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate analytical frameworks for current and changing economic conditions.
- Analyze the impact of economic externalities for business and proposed business ventures.
- Evaluate impacts of economic conditions on consumer behavior and businesses.
- Compare and contrast global economic strategies.
- Analyze the roles and responsibilities of financial institutions.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ECON301	Comparative Economics	3
ECON302	Environmental Economics	3
ECON303	International Economics	3
ECON304	Monetary Economics	3
Total Semester Hours		12

Concentration in Entrepreneurial/Small Business Management (12 semester hours)

Looks at small business characteristics and competencies, including consumer behavior, pricing strategies, and small business budgets. Focuses on tasks and activities of an entrepreneur from research to launch through management and growth of venture opportunities, strategy, financing, formation, and marketing.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine small business opportunities.
- Define small business characteristics and competencies.
- Evaluate consumer behavior.
- Develop product and pricing strategies.
- Develop and execute small business budgets.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN316	Fundamentals of Entrepreneurship	3
BUSN318	Small Business Management	3
BUSN415	Small Business Growth and Development	3
ENTR311	Business Plan Foundations	3
Total Semester Hours		12

Concentration in Information Technology Management (12 semester hours)

Focuses on enhancing organizational productivity through technology. Topics include: technical skills critical in a business environment; system development life cycle (SDLC) models; project management techniques such as PERT and Gantt charts; and Internet concepts such as protocols, web browsers, search engines, FTP, network security, and online gaming.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine Internet protocols, middleware, interfaces, security, and applications.
- Evaluate workplace productivity, legal ramifications, and policies related to Internet access.
- Outline the process and the phases pertaining to managing information systems projects.
- Appraise the technology, communications, and policy issues related to managing virtual teams.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ITMG321	Information Technology Project Management	3
ITMG371	Contemporary Internet Topics	3
ITMG421	Virtual Management	3
WEBD311	Internet Concepts	3
Total Semester Hours		12

Concentration in International Business Management (12 semester hours)

Examines the challenges of managing multicultural and distributed teams in an international workforce. Reviews the tools and techniques used to mitigate financial risk in international business. Helps to develop marketing decision skills in the global context.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the management strategies around the world.
- Examine the challenges of managing multicultural and distributed teams.
- Appraise the roles and responsibilities of the Human Resource Manager in the context of an international workforce.
- Analyze the interactions and trends between the world economies; also assess the tools and techniques used to mitigate financial risk in conducting international business.
- Evaluate the tools, methods, and practices of marketing in the global context.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN419	International Business Management	3
FINC410	International Finance	3
IRLS392	Globalization and the Market Economy	3
MKTG407	International Marketing	3
Total Semester Hours		12

Concentration in Marketing (12 semester hours)

Integrates marketing functions with principles of management, finance, strategic planning, and information systems. Topics include: marketing plan development; marketplace analysis; psychology and sociology concepts of consumer behavior; and research techniques.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Develop a strategic marketing plan.
- Apply concepts in psychology and sociology relevant to consumer behavior.
- Analyze business markets, customer markets, and buyer markets using concepts and techniques of research for marketing decisions including problem definition, research objectives, execution and research management, and presentation of findings.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN320	Principles of E Business	3
MKTG307	Consumer Behavior	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
BUSN499	Senior Seminar in Business Administration (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Accounting

The Bachelor of Science in Accounting offers you the necessary theoretical knowledge, practical skills, and research know-how to address complex accounting issues. From entry-level bookkeeping positions all the way to careers as chief financial officers for major corporations, accounting professionals are in demand. Successful completion of this online degree program helps to prepare you for a career as an accountant, auditor, examiner, and other related financial positions in the public, private, and not-for-profit sectors.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) (http://www.acbsp.org), and has earned additional ACBSP Specialized Accounting Accreditation (http://www.acbsp.org/?page=accounting_degree).

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
General Concentration		27
Final Program Requirements		3
Elective Requirements		18
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (42 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
MATH225	Calculus	3

ACCT100	Accounting I	3
ACCT101	Accounting II	3
ITCC111	Basic Productivity Applications	3
ITCC112	Advanced Productivity Applications	3
MKTG201	Fundamentals of Marketing	3
BUSN310	Business Theory	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN312	Operations Research	3
FINC400	Principles of Financial Management	3
MATH302	Statistics	3
MGMT310	Principles and Theory of Management	3
MGMT314	Management Ethics	3
Total Semester Hours		42

General Concentration (27 semester hours)

This concentration prepares students to succeed in various accounting careers in public accounting, governmental accounting, and not-for-profit accounting. Students gain the theoretical knowledge, practical skills, and research skills needed to address complex accounting issues.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
ACCT301	Intermediate Accounting I	3
ACCT302	Intermediate Accounting II	3
ACCT303	Intermediate Accounting III	3
ACCT400	Auditing	3
ACCT401	Cost Accounting	3
ACCT420	Individual Federal Taxes	3
Select 3 courses from the following:		9
ACCT202	Introduction to Payroll	
ACCT300	Financial Accounting	
ACCT305	Accounting Information Systems	
ACCT406	Managerial/Cost Accounting	
ACCT415	Law for Accountants	

ACCT410	Governmental and Not-for-Profit Accounting	
Total Semester Hours		27

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ACCT499	Senior Seminar in Accounting (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Business Analytics

The Bachelor of Science in Business Analytics teaches you how to apply data analytics and mining techniques to help you meet your organization's business objectives. You'll be given problem-solving exercises working with fictional data sets and analysis for hands-on learning. The curriculum will prepare you to collect and analyze data in order to help you to tackle difficulties in business processes and create better tools for decision-making. Regardless of your industry, acquiring training in business intelligence is good preparation for positions as a business analyst, analytic system designer, or data scientist.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Integrate the various statistical analytics outputs and applications.
- Implement the models and add-ins used by Excel to process statistical data.
- Deconstruct student experiences with real time analytics applications and work problems.
- Produce a functional or chronological analytic project, along with an appropriate display and interpretation of results, findings, and recommendations for decision makers.
- Integrate key issues and topics in a reflective essay from the overall program experience.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		39
Select one concentration from the following:		9
General (p. 352)		
Accounting (p. 352)		
Human Resources (p. 353)		
Marketing (p. 353)		
Security and Intelligence (p. 354)		
Final Program Requirements		6
Elective Requirements		36
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	

LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		

COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL221	Scientific Writing	
ENGL220	Technical Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (39 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3

MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
ITCC200	Application Software Integration	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN312	Operations Research	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
FINC300	Foundations of Financial Management	3
MATH302	Statistics	3
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Accounting, Concentration in Human Resources, Concentration in Marketing, or a Concentration in Security and Intelligence.

General Concentration (9 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
ANLY460	Applied Analytics I	3
ANLY461	Applied Analytics II	3
ANLY462	Applied Analytics III	3
Total Semester Hours		9

Concentration in Accounting (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Accounting processes and management and how students can leverage data and analytics tools to Accounting areas. This concentration satisfies the growing trend of Accounting Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve accounting problems and support decision making in accounting.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to accounting & financial transactions.
- Demonstrate knowledge of the ethical framework for accountants adopted by professional accounting organizations, and accounting principles.
- Analyze, evaluate, and organize financial data to facilitate managerial decision making in accounting.
- Conduct an in-depth analysis of an organization's financial information and provide a written assessment of the results.

Code	Title	Semester Hours
Select 3 courses from the following:		9
ACCT202	Introduction to Payroll	
ACCT300	Financial Accounting	

ACCT301	Intermediate Accounting I
ACCT302	Intermediate Accounting II
ACCT303	Intermediate Accounting III
ACCT305	Accounting Information Systems
ACCT400	Auditing
ACCT406	Managerial/Cost Accounting
ACCT410	Governmental and Not-for-Profit Accounting
ACCT415	Law for Accountants
ACCT420	Individual Federal Taxes
Total Semester Hours	9

Concentration in Human Resources (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Human Resource processes & management, and how students can leverage data and analytics tools to HR areas like Compensation and Benefits, Information Systems, or Recruitment and Staffing. This concentration satisfies the growing trend of HR Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve HR problems and support decision making in HR.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Human Resource Management and operations.
- Demonstrate knowledge of the ethical framework for accountants adopted by businesses professional organizations, and Human Resource Management principals.
- Analyze, evaluate, and organize employee's financial data, administrative data, information data, and Human Resource Management data, to facilitate managerial decision making.
- Conduct an in-depth analysis of an organization's personnel and Human Resource Management information, and provide a written assessment of the results.

Code	Title	Semester Hours
Select 3 courses from the following:		9
HRMT407	Human Resource Management	
HRMT412	Compensation and Benefits	
HRMT415	Human Resource Management Information Systems	
HRMT419	Recruitment and Staffing	
Total Semester Hours		9

Concentration in Marketing (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Security and Intelligence processes related to national and international security elements, and how students can leverage data and analytics tools to Security and Intelligence areas like Threat Analysis, Intel and Homeland Security, Intelligence Analysis, Cyber Warfare, Narcotics, Terrorism and US National Security. This concentration satisfies the growing trend of Intelligence Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve Security and Intelligence problems and support decision making.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Marketing.
- Demonstrate knowledge of the ethical framework for marketers and marketing professionals adopted by businesses professional organizations, and marketing principals.
- Analyze, evaluate, and understand market dynamics & trends, sales and marketing data, to facilitate managerial decision making.
- Conduct an in-depth analysis of an organization's sales and marketing information, and provide a written assessment of the results.

Code	Title	Semester Hours
Select 3 courses from the following:		9
MKTG305	Advertising	
MKTG400	Marketing Research	
MKTG401	Marketing Strategy	
MKTG403	Marketing Management	
Total Semester Hours		9

Concentration in Security and Intelligence (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Security and Intelligence processes related to national and international security elements, and how students can leverage data and analytics tools to Security and Intelligence areas like Threat Analysis, Intel and Homeland Security, Intelligence Analysis, Cyber Warfare, Narcotics, Terrorism and US National Security. This concentration satisfies the growing trend of Intelligence Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve Security and Intelligence problems and support decision making.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Terrorism, Security & Intelligence fields.
- Demonstrate knowledge of the data analytics framework adopted by security & intelligence professionals and/or organizations, and analysis principals.
- Analyze, evaluate, and organize Terrorism, Security, War & Intelligence data, to facilitate tactical & strategic problem solving, and decision making.
- Conduct an in-depth analysis of an organization's Security & Intelligence information, and provide a written assessment of the data analytics results & interpretations.

Code	Title	Semester Hours
Select 3 courses from the following:		9
INTL401	Critical Analysis	
INTL434	Threat Analysis	
HLSS320	Intelligence and Homeland Security	
INTL402	Intelligence Analysis	
INTL440	Cyber Warfare	

INTL446	Intelligence and Narcotics	
INTL451	Terrorism and U.S. National Security	
INTL453	Illicit Finance	
CMRJ320	Law Enforcement Intelligence Applications	
Total Semester Hours		9

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
ANLY499	Analytics Senior Seminar (to be taken as the last course before graduation) [1]	6
Total Semester Hours		6

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Criminal Justice - Forensics

The Bachelor of Science in Criminal Justice offers an in-depth scientific study of crime, criminal behavior, digital forensics investigations, and the importance of scientific analysis as evidence presented in the criminal justice system. Forensic science is the application of scientific methods and analysis of scientific data to support the law. You will study the theory of forensic science, including the nature and scope of the discipline, the application of forensic science to crime, police investigation and the adjudication process, and the legal and ethical issues associated with forensics. You will also examine the importance of scientific analysis of digital evidence and its place in the judicial system, while receiving a solid foundation of analytical and communication skills required for working in complex criminal justice occupations.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

Digital Forensics

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks caused by mobile and wireless peripheral devices, and then evaluate security and access procedures within wireless Internet use of subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, email tracking techniques, email crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.

- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Concentration in Digital Forensics (p. 359)		27
Final Program Requirement		4
Elective Requirements		29
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	

SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	

HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
CMRJ201	Criminal Justice Administration	3
SSGS300	Research Design and Methods	3
CMRJ303	Criminology	3
CMRJ306	Criminal Investigation	3
CMRJ308	Ethics in Criminal Justice	3
CMRJ329	Criminal Profiling	3
CMRJ335	Crime Analysis	3
CMRJ341	Criminalistics	3
LSTD301	Constitutional Law	3
LSTD302	Criminal Law	3
Total Semester Hours		30

Concentration in Digital Forensics (27 semester hours)

Offers an in-depth scientific study of crime, criminal behavior, crime scene investigation theories, and the importance of scientific analysis as evidence. Focuses on cybercrime and computer forensics with emphasis on wireless networks and devices, operating systems, intrusions, and the related investigative procedures.

Code	Title	Semester Hours
ISSC343	Wireless Networks	3
ISSC351	Computer Forensics	3
ISSC451	Cybercrime	3
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
LSTD400	Criminal Legal Process	3
Total Semester Hours		27

Final Program Requirement (4 semester hours)

Code	Title	Semester Hours
CMRJ498	Forensic Law Enforcement Capstone (to be taken as the last course before graduation) [1]	4
Total Semester Hours		4

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (29 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Cybersecurity

The Bachelor of Science in Cybersecurity provides you with both theory and know-how required to strategically assess, plan, design, and implement effective cybersecurity defenses in the public and private sectors. With near-daily reports of large-scale information security breaches and hacking events, this career field is wide open for highly educated and competent forensic investigators and cybersecurity analysts and consultants. The U.S. Bureau of Labor Statistics forecasted a 22 percent growth rate in the cyber security industry through 2020, making now the perfect time to acquire the education you need to meet the demand. Through this online IT bachelor's program, you'll learn research, writing, math, and analytical skills, along with an in-depth understanding of cybercrime.

Coursework in this bachelor's degree aligns to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification and meets the topical requirements for the Department of Defense Directive 8570.1M Information Assurance Management (IAM) Technical I, Technical II, Technical III, Management I, Management II, and Management III categories.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Compare and contrast the various aspects of cybersecurity including the relationship between cyber defense, cyber operations, cyber exploitations, cyber intelligence, cybercrime, and cyber law within federal and state laws.
- Demonstrate an understanding of the processes and goals of cyber forensics investigations including the importance of search warrants and chain of custody in a forensic investigation of computer-related crimes.
- Develop strategies and plans for security architecture consisting of tools, techniques, and technologies to detect and prevent network penetration, and to design effective cybersecurity countermeasures.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and satellite networks that affect the security of the cyberspace.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		54
Select one of the following concentrations:		15
General Concentration (p. 364)		
Wireless and Mobile Security (p. 365)		
Final Program Requirements		3
Elective Requirements		18
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	

SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (54 semester hours)

Code	Title	Semester Hours
ENTD261	Scripting Languages for the Administrator	3
ISSC325	Biometrics	3
ISSC342	Operating Systems: Hardening and Security	3
ISSC343	Wireless Networks	3
ISSC351	Computer Forensics	3
ISSC361	Information Assurance	3
ISSC362	IT Security: Attack & Defense	3
ISSC366	IT Security: Cryptography	3
ISSC421	Computer and Network Security	3
ISSC422	Information Security	3
ISSC431	Database Systems Security	3
ISSC452	Cybersecurity	3
ISSC481	IT Security: Planning and Policy	3
ITMG481	Ethics in Information Technology	3
MATH302	Statistics	3
Select 3 courses from the following:		9
CMRJ320	Law Enforcement Intelligence Applications	
ENTD412	Systems Engineering	
INFO321	Database Management Systems	
INTL434	Threat Analysis	
ISSC331	Legal Issues in Information Security	
ISSC368	IT Security: Physical and Peripheral Defense	
ISSC451	Cybercrime	
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	
SCMT371	Legal and Ethical Issues in Security Management	
Total Semester Hours		54

Students must choose a concentration for this degree program and may select from the General Concentration or Concentration in Wireless and Mobile Security.

General Concentration (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
ISSC341	Introduction to Networking	3
ISSC363	IT Security: Risk Management	3
ISSC471	IT Security: Auditing	3
INTL440	Cyber Warfare	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		15

Concentration in Wireless and Mobile Security (15 semester hours)

This concentration for the Bachelors of Science in Cybersecurity will allow students to specialize in the methodologies used to secure the networks, hardware – devices, software – apps, and the laws and regulations, policies and procedures, and ethical responsibilities for privacy and security of mobile devices using mobile and wireless network infrastructures. The concentration will emphasize countermeasures taken to harden the security of various aspects of mobile technologies associated to government, military, industry, educational, and private enterprises.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Extrapolate threats and vulnerabilities introduced into the network infrastructures of wireless, mobile, cellular, and satellite technologies.
- Examine current mobile application models, their security framework, and methodologies on hardening the security to safeguard the devices running them and adapt them to higher privacy standards.
- Appraise security hardening techniques for wireless or mobile device technologies based on wireless security principles and current industry standards.
- Investigate forensics of wireless network attacks caused by mobile and wireless peripheral devices, and then evaluate security and access procedures within wireless Internet use of subject search warrants and chain of custody in a forensic investigation.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC412	Mobile Application Security	3
ISSC415	Mobile Device Security	3
ISSC442	Wireless and Mobile Network Security	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ISSC499	Senior Seminar in Cybersecurity (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110.

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Electrical Engineering

The Bachelor of Science in Electrical Engineering (BSEE) program focuses on the theories, practices, competencies, tools, and technologies associated with electrical engineering. You will get both online classroom instruction and hands-on lab experience to help prepare you to excel as an electrical engineer. The U.S. Bureau of Labor Statistics predicts a 4% job growth by 2022 for electrical and electronics engineers due to the engineer's versatility in developing and applying emerging technologies. Because this program fills a market-driven educational need, earning your BSEE could give you a step up in starting a career in aerospace, telecommunications, defense, automotive, medical, construction, chemical, and more. Within a few years after graduation, you should be able to use your skills and knowledge in electrical engineering to:

1. Become a valuable contributor in their chosen field.
2. Continue life-long learning through advanced degrees, training, and/or professional development.
3. Advance in their chosen field to a position of increased technical, supervisory, or creative ability.
4. Develop a full appreciation of the importance of ethical practice and the ethical responsibility to the public.

Courses in the BSEE include foundations in math, computer science, and physical sciences. Course topics include:

- Essential elements of analog circuit design
- Fundamentals of circuit analysis - Ohm's law, Kirchhoff's law, etc.
- International System of Units
- Digital and logic circuit analysis and design in 6 main parts
- Energy conversion and transport
- Electromagnetic field theory
- Passive microwave circuit analysis and design
- Radar and RF signal propagation, transmission, and reception

Note: The technology fee for the engineering courses (those with the ENGR and ELEN prefix) is $100/per course (covered by grants for military students). In addition, at-home lab exercises require you to purchase additional course materials which are estimated to be up to $12,000. These materials are not covered by the university undergraduate book grant.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		72
Select one of the following concentrations:		18
General Concentration (p. 369)		
Communications (p. 370)		
Mechatronic Systems (p. 370)		
Final Program Requirements		6
Total Semester Hours		126

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
PHIL200	Introduction to Ethics	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	

SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL220	Technical Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH111	College Trigonometry	3
Natural Sciences with Lab (4 semester hours)		
SCIN233	Physics I with Lab	4
Total Semester Hours		30

Major Required (72 semester hours)

Code	Title	Semester Hours
ELEN100	Introduction to Electrical Engineering	3
ENGR200	Introduction to Engineering and Computing	3
MATH200	Analytic Geometry	3
MATH225	Calculus	3
MATH226	Calculus II	3
MATH220	Linear Algebra	3
MATH210	Discrete Mathematics	3
SCIN234	Physics II with Lab	4
MATH240	Differential Equations	3
MATH227	Calculus III	3
MATH328	Probability Theory with Applications	3
ELEN300	Electrical Engineering Fundamentals	4
ELEN303	Measurements and Instrumentation	3
ENGR300	Fundamentals of Mechanical Engineering	3
ELEN305	Electrical Circuit Analysis	4
ELEN310	Continuous and Discrete Signals and Systems	4
ELEN325	Field Theory	3
ELEN306	Analog Circuit Theory	4
ELEN307	Digital Circuit Theory	4
ELEN416	Control Systems Theory and Design	3
ELEN420	Communication Systems	3
ELEN312	Energy Conversion Processes and Systems	3
Total Semester Hours		72

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Communication Systems, or a Concentration in Mechatronics.

Transfer students from an engineering program who select the General Concentration may apply up to 18 semester hours of STEM courses in place of the General Concentration courses

General Concentration (18 semester hours)

This general concentration allows you to select from all concentration courses offered within this program, enabling you to create your own focused area of study.

Transfer students from an ABET accredited engineering program who select the General Concentration may apply up to 18 semester hours of upper-division engineering courses in place of the General Concentration courses with the Program Director's approval.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
Select 2 courses from the following:		6
ELEN421	RF/Microwave Engineering I	

ELEN426	Antennas-Theory and Applications	
ELEN430	Embedded Systems Design	
ELEN432	Microcontroller Based Systems	
Select 3 courses from the following:		12
ELEN422	RF/Microwave Engineering II	
ELEN423	Wireless Communications	
ELEN427	Radar Systems Theory	
ELEN435	Introduction to Power Electronics	
ELEN436	Advanced Power Electronics	
ELEN440	Mechatronics	
Total Semester Hours		18

Concentration in Communications (18 semester hours)

Examines the fundamental concepts of passive microwave circuit analysis and design. Offers an understanding of the key concepts and basic theories associated with microwave circuits and systems, and the basic components of a wireless communication system. Has in-depth coverage of the basic properties of antenna theory, analysis, and design as well as radar and RF signal propagation, transmission, and reception.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
ELEN421	RF/Microwave Engineering I	3
ELEN422	RF/Microwave Engineering II	4
ELEN426	Antennas-Theory and Applications	3
ELEN427	Radar Systems Theory	4
ELEN423	Wireless Communications	4
Total Semester Hours		18

Concentration in Mechatronic Systems (18 semester hours)

Covers the fundamentals of embedded system hardware and firmware design. Includes a basic understanding of circuit analysis and the functionality, topography, and regulation of power electronic devices. Provides knowledge of advances in power electronics such as modeling DC motor drives and machines, various modes of operation, multi-phase control converters, and choppers.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
ELEN430	Embedded Systems Design	3
ELEN432	Microcontroller Based Systems	3
ELEN435	Introduction to Power Electronics	4
ELEN436	Advanced Power Electronics	4
ELEN440	Mechatronics	4
Total Semester Hours		18

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
ELEN498	Senior Seminar Design	3
ELEN499	Senior Seminar Project (to be taken as the last course before graduation)	3
Total Semester Hours		6

Bachelor of Science in Environmental Science

The Bachelor of Science in Environmental Science provides scientific coursework in both the natural and social sciences, while focusing on the complex relationship among science and public policy. This online bachelor's degree offers a fundamental understanding of environmental policy and analysis, and environment management issues such as stewardship of natural resources, pollution management, fish, and wildlife management, and hazardous materials. This degree program helps prepare you for a career as an Environmental Protection Agency (EPA) inspector, environmental engineer, civil engineer, or urban or regional planner. In addition to the core scientific studies, this bachelor's degree helps to improve your critical thinking, analytical skills and communication skills that are valuable assets in all industries.

Courses in this online degree are taught by expert practitioners. Many are leaders in the field and hold positions at the U.S. Fish and Wildlife Service, Environmental Protection Agency, Bureau of Land Management, the Nature Conservancy, and other prominent government and nongovernment organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess the political, legal, economic, and social dynamics associated with the environment and management of the environment.
- Examine environmental compliance in terms of moral, political, and economic factors.
- Analyze environmental issues within their economic, historical, and theoretical context.
- Assess an environmental perspective that includes alternative approaches to economic development and incorporates a code of responsibility.
- Evaluate the consequences of ecological disasters on public health, productivity, and social and economic welfare.
- Explain the social, environmental, and economic barriers to the implementation of sustainable environmental practices and programs.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		29
Select one of the following concentrations:		12
	General Concentration (p. 375)	
	Environmental Technology and Management (p. 375)	
	Fish and Wildlife Management (p. 376)	
	Regional and Community Environmental Planning (p. 377)	
	Sustainability (p. 377)	
Final Program Requirements		3
Elective Requirements		46
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
SCIN138	Introduction to Physical Geology with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (29 semester hours)

Code	Title	Semester Hours
BIOL133	General Biology I with Lab	4
CHEM133	General Chemistry I with Lab	4
EVSP201	Environmental Economics	3
MATH302	Statistics	3
EVSP310	Water Science	3
EVSP311	Soil Science	3

PHIL320	Environmental Ethics	3
EVSP411	Environmental Policy, Regulation, and Law	3
EVSP413	Environmental and Ecosystems Management	3
Total Semester Hours		29

Students must choose a concentration for this degree program and may select from a General Concentration, Environmental Technology and Management Concentration, Fish and Wildlife Management Concentration, Regional and Community Environmental Planning Concentration, or Sustainability Concentration.

General Concentration Requirements (12 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 4 courses from the following:		12
EVSP312	Introduction to Sustainability	
EVSP316	U.S. Federal Environmental Organization	
EVSP322	Remote Sensing and Geographic Information Systems	
EVSP414	Air Quality Management	
EVSP415	Environmental Impact Assessment	
EVSP416	General Ecology	
Total Semester Hours		12

Concentration in Environmental Technology and Management (12 semester hours)

Explores the theoretical foundations of environmental hazard mitigation and pollution management and how regulations, policies, and politics influence environmental management and sustainability. Covers management strategies, compliance standards and current and emerging technologies in contaminant treatment, remediation, and disposal. Examines strategies and mitigation plans for contaminants and the impacts on public health, public safety, society, and the economy.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
EDMG240	Chemistry of Hazardous Materials	
EVSP320	Energy and Resource Sustainability	

EVSP322	Remote Sensing and Geographic Information Systems
EVSP412	Environmental Management Systems
EVSP414	Air Quality Management
EVSP430	Pollution and Pollution Management
Total Semester Hours	12

Concentration in Fish and Wildlife Management (12 semester hours)

Offers an overview of concepts and principles of fish and wildlife resource management. Examines the agencies responsible for resource management and the competencies of professional fish and wildlife managers. Management techniques and methods, public lands management, and the regulations, policies, and politics that influence U.S. fish and wildlife management are also covered.

NOTE: Students wishing to enroll in SCIN311, SCIN314, SCIN401, or SCIN402 for their concentration work MUST also take BIOL134 as a prerequisite. BIOL134 is NOT included in the BS Environmental Science major and is needed for these more specialized courses offered through the Natural Sciences program. This requirement cannot be waived. Please note that students can complete the Concentration in Fish and Wildlife Management without taking these specialized courses, but if these courses are desired the additional BIOL134 prerequisite must be completed as part of the student's elective hours.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
EVSP330	Fish and Wildlife Policies, Programs, and Issues	
EVSP331	Public Lands Management	
EVSP341	Introduction to Wildlife Management	
EVSP342	Population Ecology	
EVSP416	General Ecology	
EVSP417	Conservation Biology	
SCIN311	Fishery Biology	
SCIN314	Botany	
SCIN401	Mammalogy	
SCIN402	Ornithology	
Total Semester Hours		12

Concentration in Regional and Community Environmental Planning (12 semester hours)

Identifies critical issues in landscape level planning and development that affect regional and local environmental planners. Examines how to assess and meet resource needs and solve complex land use problems. Topics include leading trends and challenges in environmental planning and how current and emerging technologies affect sustainable land use and energy development.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, green space, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of local and regional planning, landscape-level planning, and environmental assessment and impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP415	Environmental Impact Assessment	3
EVSP421	Water Resources Management	3
Total Semester Hours		12

Concentration in Sustainability (12 semester hours)

Examines foundational principles of resource and energy sustainability and how these principles apply to land use and development planning. Topics include current and emerging renewable energy technologies, society's dependence on fossil fuels and other traditional forms of energy, and why social and economic barriers prevent acceptance and use of sustainable products, goods, and services.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
EVSP312	Introduction to Sustainability	
EVSP320	Energy and Resource Sustainability	
EVSP321	Land Use and Planning	
EVSP322	Remote Sensing and Geographic Information Systems	
EVSP418	Green Infrastructure and Renewable Technologies	
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
EVSP498	Senior Seminar in Environmental Science (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (46 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Fire Science Management

The Bachelor of Science in Fire Science Management provides the principles, theory, and practices associated with leading-edge fire science and management issues associated with tactical fire operations, fire safety, firefighting leadership, and community fire issues, among others. This online bachelor's degree offers you a comprehensive education in fire behavior, suppression methods, protection, safety, and prevention, along with an emphasis on emergency and disaster management and response. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or public safety organizations.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze the current and historical strategies, practices, and policies that guide the modern field of fire science.
- Demonstrate the role of fire science personnel in leading, managing, and collaborating with colleagues, subordinates, constituents, and the community.
- Apply theory and practical methods to issues in fire science.
- Summarize the methods and resources needed to effectively manage fire services.
- Examine assessment and planning tactics to improve organization and community risk management for fire services.
- Describe strategies and methods to accomplish fire science operations.
- Differentiate the various practices involved in fire science, their fundamental scientific principles, and their associated mitigation and response strategies.
- Interpret the legal and regulatory duties and responsibilities that have an impact on the fire science field.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		66
Final Program Requirements		3
Elective Requirements		21
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	

LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL102	Effectiveness in Writing	3

History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (66 semester hours)

Code	Title	Semester Hours
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT281	Principles of Fire and Emergency Services Safety and Survival	3
FSMT287	Fire Protection in Building Construction	3

FSMT288	Community Risk Reduction for the Fire and Emergency Services	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
SSGS300	Research Design and Methods	3
EDMG330	Managerial Issues in Hazardous Materials	3
FSMT311	Fire Dynamics	3
FSMT320	Fire Protection Structure and System Design	3
FSMT321	Community Fire Mitigation and Protection	3
FSMT340	Incendiary Fire Analysis and Investigation	3
FSMT362	Fire Administration and Finance	3
FSMT405	Fire Safety and Risk Regulation	3
FSMT410	Fire Regulation, Policy, and Law	3
FSMT475	Applications of Fire Research	3
HRMT407	Human Resource Management	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		66

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
FSMT498	Senior Seminar in Fire Science (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (21 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Fire Science Management - Momentum

With this Momentum program, instead of attending classes, you'll work with faculty mentors to demonstrate your mastery in one competency area and move to the next until you complete your degree. You must have a conferred associate degree (A.A. or A.S.) from an accredited college to enroll in this program. To learn more about Momentum, contact an admissions representative or your academic advisor.

The Bachelor of Science in Fire Science Management provides the principles, theory, and practices associated with leading-edge fire science and management issues associated with tactical fire operations, fire safety, firefighting leadership, and community fire issues, among others. This online bachelor's degree offers you a comprehensive education in fire behavior, suppression methods, protection, safety, and prevention, along with an emphasis on emergency and disaster management and response. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or public safety organizations.

Degree Requirements (60 semester hours)

A conferred associate of arts or associate of science degree (or higher degree) is required for admission into any Momentum program. This conferred degree fulfills the first 60 credits toward the Momentum bachelor's degree.

Momentum Requirements (62 semester hours)

SSGS300- Research, Analysis, and Writing

- SSGS300A - Research Problem: Identify a research problem in the student's discipline.
- SSGS300B -Scholarly Research: Demonstrate the ability to conduct scholarly research in the student's discipline.
- SSGS300C - Formal Research Paper Produce a well-researched and correctly formatted and referenced paper in the student's particular discipline.

FSMT102 - Fire Behavior and Combustion

- FSMT102A - Dynamics of Fire: Identify and describe the dynamics of fire.
- FSMT102B - Suppression Agents: Evaluate the suppression agents and strategies used to extinguish a fire.
- FSMT102C - States of Matter: Identify the physical properties of the three states of matter.

FSMT188 - Fire Prevention

- FSMT188A - Fire Prevention History: Outline the history and philosophy of fire prevention through the present day.
- FSMT188B - Legal and Regulatory Requirements in Fire Prevention: Explain the legal and regulatory requirements related to fire prevention and the impact these requirements have on the loss of life and/or property.
- FSMT188C - Fire Prevention Organizations: Describe the professional qualifications, professional development opportunities, and inspection practices for all roles within fire prevention organizations and associations.

FSMT201 - Fire Protection Systems

- FSMT201A - Suppression Techniques: Apply appropriate suppression techniques for fire extinguishment based on the type of materials involved in the fire.
- FSMT201B - Smoke and Smoke Detectors: Illustrate the different types of fire and smoke detectors and the influence characteristics of smoke have on them.
- FSMT201C - Fire Protection Systems: Explain the appropriate application of the different types of fire protection systems.

FSMT210 - Fundamentals of Fire Protection

- FSMT210A - Fire Service Roles and Responsibilities: Describe the different roles and responsibilities of fire and support personnel and organizations in the fire service.
- FSMT210B - Evolution of Fire Protection: Diagram the historical evolution and use of fire protection and equipment by fire service personnel.
- FSMT210C - Fire Codes and Standards: Explain the need for legal codes and standards in the enforcement of fire prevention.

EDMG220 - Emergency Planning

- EDMG220A - Emergency Management Processes: Identify the stages in emergency management processes, and illustrate the relationships between disaster planning, mitigation, and recovery.
- EDMG220B - Multi-Agency Roles in Emergency Situations: Explain the responsibilities of various agencies and mandates pertaining to emergency disaster, planning, and mitigation.
- EDMG220C - Hazards in Emergency Situations Explain the processes involved in an emergency response to community hazardous situations, including the role of the emergency personnel in community disaster planning and recovery.
- EDMG220D - Emergency Operations Plan (EOP): Identify the requirements for an effective Emergency Operations Plan (EOP).

EDMG230 - Emergency and Disaster Incident Command

- EDMG230A - Incident Command System: Demonstrate proficiency with the functional areas, responsibilities, and terms associated with an incident command system.
- EDMG230B - Best Practices in Incident Management: Analyze past emergency incidents to determine best practices in incident management which minimize negative impact on the community and responders.
- EDMG230C - Current State of Emergency Management: Analyze the current state of emergency management to improve practice.
- EDMG230D - Emergency Operations Responsibilities: Differentiate the roles and responsibilities of agencies and individuals involved in emergency management.

FSMT287 - Fire Protection in Building Construction

- FSMT287A - Importance of Building Construction: Evaluate the building construction components and design, and their importance in fire and life safety.

- FSMT287B - Building Construction Classifications: Classify the major types of building construction and the hazards and tactical considerations in fire safety associated with the various types of building construction.
- FSMT287C - Fire Safety and Codes in Building Construction Explain the importance of building construction in relation to firefighter safety, building codes, fire prevention, code inspection, and firefighting strategy and tactics.

FSMT289 - Fire Protection Hydraulics and Water Supply

- FSMT289A - Water and Fire Service Pumping Apparatus: Outline the different types of fire service pumping apparatus, types of water distribution systems, and the forces that affect water at rest and in motion.
- FSMT289B - Principles of Water Flow: Describe the scientific and mathematical principles of the flow of water in fire suppression situations.
- FSMT289C - Fire Flow Demand Criteria: Determine what fire flow demand criteria is needed by a community for firefighting purposes.

FSMT311 - Fire Dynamics

- FSMT311A - Scientific Principles of Fire: Use appropriate fire science terminology to describe the scientific principles of fire and their interaction with the environment and to chemical and/or natural elements involved in a fire.
- FSMT311B - Building Structural Components: Explain the flame spread and smoke production properties, fire endurance, and fire resistance of building structural components, materials, and furnishings.
- FSMT311C - Fire Suppression and Extinguishment Agents: Compare and contrast the different fire suppression and extinguishment agents and the related usage strategies for each.

FSMT320 - Fire Protection Structure and System Design

- FSMT320A - Evolution of Fire Protection Systems: Outline the evolution of fire protection systems and explain how past fire events have influenced current approaches to fire protection, including the role of the fire service in fire code compliance.
- FSMT320B - Heat, Smoke, and Flame Detection Systems: Compare and contrast the different heat, smoke, and flame detection systems and the factors that impact life safety in a structure.
- FSMT320C - Sprinkler System Design: Explain the application of hydraulics formulae and determination of sufficient water supply systems for various types of sprinkler system designs.

FSMT321 - Community Fire Mitigation and Protection

- FSMT321A - The Community Role in Risk Reduction: Explain the role of the community in risk reduction, fire/community relations, community outreach, volunteerism, and fire strategic planning.
- FSMT321B - Fire Investigation, Fire Prevention, and Planning: Outline the historical and social influences on the fire investigation process, fire prevention research, and the master planning process.
- FSMT321C - Fire Prevention Strategy Influences: Describe the economic, governmental, and departmental influences on fire prevention and their strategies for fire prevention.

EDMG330 - Managerial Issues in Hazardous Materials

- EDMG330A - Hazmat Laws, Regulations, and Standards: Explain the differences and similarities between local, State, and Federal laws, regulations and standards concerning hazmat.
- EDMG330B - Hazmat/Terrorist Incident Planning: Explain the process of planning, organizing, and training for hazmat/terrorist incidents.
- EDMG330C - Incident Command Organizational Structure: Develop a comprehensive incident command organizational structure for a hazmat response following the National Incident Management System (NIMS) guidelines.

FSMT340 - Incendiary Fire Analysis and Investigation

- FSMT340A - Research on Fire Science Produce scholarly research that examines a fire investigation related topic.
- FSMT340B - Combustion and Hazard Materials: Evaluate the different causes of combustion and hazardous materials in fire investigations.
- FSMT340C - Types of Fires & Investigation Techniques: Explain the different types of fires and the appropriate investigative techniques for each type of fire.

FSMT362 - Fire Administration and Finance

- FSMT362A - Fire Department Management: Define the elements of effective departmental organization including the training and skills necessary for management of a department and to support the certification process.
- FSMT362B - Budget Planning and Risk Reduction: Identify the roles of the community and fire personnel in the budget planning process and in addressing risk reduction.
- FSMT362C - Fire Management Trends: Explain the concept of change and the importance of communications technology, fire service networks, and the internet for conducting problem-solving analysis and understanding and managing trends.

FSMT405 - Fire Safety and Risk Regulation

- FSMT405A - Fire Safety Officer: Outline the role of a safety officer, how the origins of the job influence its current operation within fire departments, and the functional need for a safety officer in the fire service.
- FSMT405B - Safety Issues and Readiness: Explain the safety issues, safety readiness, and importance of including safety in training and education programs of a fire department.
- FSMT405C - Fire Service Safety Investigations: Identify the need for an investigation of a fire service death or injury and determine a plan for sharing lessons learned from the investigation.

FSMT410 - Fire Regulation, Policy, and Law

- FSMT410A - Evolution of Fire Law: Outline the evolution of fire law from its inception to present day.
- FSMT410B - Firefighter Negligence: Compare what constitutes a criminal act versus a negligent act of firefighters.
- FSMT410C - Employment Law & the Fire Department: Identify the various laws a fire department must abide by in reference to the management of a fire department.

HRMT407 - Human Resource Management

- HRMT407A - Compensation and Benefits: Develop a comprehensive compensation and benefits program for an organization.
- HRMT407B - Retention Program: Compare and contrast various appraisal methods and employee rating scales to develop an effective retention program.
- HRMT407C - Successful HR Program: Utilize external factors such as collective bargaining procedures, safety in the workplace, and global recruiting strategies, to create a successful human resource program for an organization.

PSYC431 - Psychology of Disaster

- PSYC431A - Human Response of Disaster Survivors: Explain the variance in expected biological, cognitive, emotional, behavioral, and interpersonal responses to disaster.
- PSYC431B - Psychological Responses of Disaster Survivors: Assess the psychological risk factors and protective measures that predict the severity of distress and disruption after a disaster and the responses, symptoms, and needs of survivors including children and adolescents.
- PSYC431C - Mental Health Care Interventions: Evaluate the mental health care interventions for victims and responders following a disaster.

FSMT475 - Applications of Fire Research

- FSMT475A - Fire Research: Evaluate fire-related research and apply it to a fire related topic.
- FSMT475B - Fire Research Proposal: Prepare a research proposal using research findings on a fire related topic.
- FSMT475C - Fire Research Paper: Produce a research paper on a fire related topic using appropriate scholarly research design and methodologies.

Total = 122 semester hours

Bachelor of Science in Health Information Management

Our Bachelor of Science in Health Information Management (HIM) provides you with the knowledge and skills required to be a health information administrator in a variety of settings such as hospitals, insurance companies, and government agencies. With a focus on operations management, this online bachelor's degree utilizes a multidisciplinary approach to its curriculum.

Billions of dollars have been invested in newer health information technology, leading to a greater need for trained, educated HIM professionals knowledgeable in data management, information policy, finance, information systems, and administrative and clinical knowledge.

The Baccalaureate Degree Health Information Management program is in Candidacy Status, pending accreditation review by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM (http://www.cahiim.org)).

Note: Some courses in the program require you to install software for virtual online lab accessibility. The cost of software and/or lab equipment is not covered under the undergraduate book grant (http://www.amu.apus.edu/tuition-and-financing/policies/book-grant.htm) and will need to be purchased when you register for class. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess organizational compliance with state and federal governmental regulations, accreditation, licensure and certification requirements.
- Construct accurate quantitative evaluations related to health care statistics, financial management, and accounting standards and best practices.
- Analyze legal and ethical concerns related to confidentiality, security, and privacy issues in the management of health information in the digital world.
- Implement supervisory and management skills across business functions.
- Demonstrate knowledge of specialized medical language, classification systems, and reimbursement methodology common in the field of health information management.
- Synthesize material on health information management from multiple competing sources.
- Summarize the significance of being a health information administrator in terms of challenges, trends, and developments in a social context.
- Identify significant public policy issues in health information management.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		67
Final Program Requirements		3
Electives		20
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH120	Introduction to Statistics	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	

SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (67 semester hours)

Code	Title	Semester Hours
HIMA100	Medical Terminology	3
HIMA110	Introduction to Health Information Management	3
HIMA200	Legal Aspects of Health Information Management	3
HIMA220	Classification Systems I	3
HIMA230	Classification Systems II	3
HIMA240	Healthcare Reimbursement Methodologies	3
HIMA250	Healthcare Delivery Systems and Documentation	3
ACCT105	Accounting for Non Accounting Majors	3
BIOL201	Principles of Anatomy and Physiology with Lab	4
SCIN255	Principles of Pathophysiology and Pharmacology	3
HIMA310	Electronics Health Records Fundamentals	3
HIMA350	Compliance	3
HIMA360	Health Informatics Project and Enterprise Management	3
HIMA410	Informatics and Analytics	3
HIMA460	Healthcare Data Management and Governance	3
FINC300	Foundations of Financial Management	3
HIMA497	Health Information Management Practicum	3
HRMT407	Human Resource Management	3
ISSC361	Information Assurance	3
ISSC422	Information Security	3
MGMT312	Leadership & Motivation	3
MGMT414	Strategic Planning	3
Total Semester Hours		67

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HIMA499	Senior Seminar in Health Information Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Electives (20 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Healthcare Administration

The Bachelor of Science in Healthcare Administration prepares students to meet the challenging and changing demands of leadership within healthcare organizations, systems, and facilities. Students will gain knowledge and practical skills from a variety of disciplines; including healthcare, public health, health information management, and business. Skills in communication, organizational management, leadership, critical thinking, and practical decision making are pertinent competencies which apply to the healthcare administration field. The healthcare administration degree program consists of core courses in the key areas of accounting, legal and ethical principles, reimbursement methodologies, delivery systems and documentation, economics and finance, compliance, quality and safety, research management, and strategic planning and marketing, and informatics and analysis. This degree is designed to prepare students for careers in healthcare operations within healthcare facilities and systems.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes::

- Evaluate and develop solutions and strategies for complex problems within the healthcare industry.
- Analyze healthcare issues and policies and develop strategies for maintaining quality, safety, and value of healthcare programs.
- Implement process improvement tools to identify problems and improve processes within healthcare programs.
- Apply ethical standards for decision-making in healthcare organizations.
- Assess contemporary and future marketing strategies to achieve organizational goals.
- Assess technologies and healthcare informatics for implementation in healthcare organizations.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		63
Final Program Requirements		3
Elective Requirements		24
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	

LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3

Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 (https://catalog.apus.edu/search/?P=ENGL101) - Proficiency in Writing or ENGL110 (https://catalog.apus.edu/search/?P=ENGL110) - Making Writing Relevant.

Major Required (63 semester hours)

Code	Title	Semester Hours
HIMA100	Medical Terminology	3
PBHE111	Introduction to Health Care Administration	3
ACCT105	Accounting for Non Accounting Majors	3
PBHE112	Health Services Organization	3
HIMA240	Healthcare Reimbursement Methodologies	3
HIMA250	Healthcare Delivery Systems and Documentation	3
HCAD300	Legal and Ethical Principles in Healthcare	3
COLL300	Research, Analysis, and Writing	3
HCAD301	Healthcare Principles and Policies	3
HCAD302	Healthcare Quality and Safety	3
MGMT311	Organizational Behavior	3
PBHE315	Health Economics and Finance	3
HIMA350	Compliance	3
PBHE361	Moral Issues in Health Care	3
HCAD400	Strategic Planning and Marketing in Healthcare	3
FINC405	Budget Development and Execution	3
HRMT407	Human Resource Management	3
HIMA410	Informatics and Analytics	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE427	Epidemiology	3
HIMA460	Healthcare Data Management and Governance	3
Total Semester Hours		63

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HCAD498	Senior Seminar in Health Sciences (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Electives (24 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Information Systems Security

The Bachelor of Science in Information Systems Security combines educational theory with the technical skills required to meet information security needs across the enterprise. This online bachelor's degree brings you coursework in information assurance, information security, network design and engineering, business continuity, and more. Learning the technological skills required to protect organizational assets from unscrupulous business competitors or unfriendly combatants is paramount to the credibility and survival of businesses, government agencies, and military operations. This online degree program helps to prepare you for careers such as information security manager, analyst, auditor, consultant, or risk assessor.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Information Systems Security solutions.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and web-based networks.
- Prescribe Information Assurance initiatives to protect an organization's information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation.
- Develop a security architecture consisting of tools, techniques, and technologies to prevent the penetration of networks, to detect attacks, and to design effective countermeasures.
- Generate a risk assessment and risk mitigation methodology to analyze and manage risks in the context of Network Security.
- Apply the discipline of network attack and defense to develop effective countermeasures to keeping hackers outside the perimeter of the network.
- Develop Network Security audit practices, processes, and plans, and specify the roles and responsibilities of the staff on the audit team.
- Develop actionable and maintainable network and information security plans and policies that address physical security, authentication, network security, encryption, software development, email, internet, acceptable use, acceptable speech, and viruses/worms.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
Select one of the following concentrations:		15
General Concentration (p. 399)		
Cloud Computing (p. 400)		
Cyber Intelligence (p. 400)		
Cybercrime Investigations (p. 401)		
Cybersecurity (p. 402)		
Digital Forensics (p. 402)		
Homeland Security (p. 403)		
Wireless and Mobile Security (p. 403)		
Final Program Requirements		3
Electives		30
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		

Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (42 semester hours)

Code	Title	Semester Hours
ENTD261	Scripting Languages for the Administrator	3
ISSC422	Information Security	3
ISSC421	Computer and Network Security	3
INTL440	Cyber Warfare	3
ISSC342	Operating Systems: Hardening and Security	3
ISSC351	Computer Forensics	3
ISSC361	Information Assurance	3
ISSC362	IT Security: Attack & Defense	3
ISSC363	IT Security: Risk Management	3
ISSC471	IT Security: Auditing	3
ISSC481	IT Security: Planning and Policy	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
ISSC451	Cybercrime	3
ISSC431	Database Systems Security	3
Total Semester Hours		42

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Cloud Computing, Concentration in Cyber Intelligence, Concentration in Cybercrime Investigations, Concentration in Cybersecurity, Concentration in Digital Forensics, Concentration in Homeland Security, or a Concentration in Wireless and Mobile Security.

General Concentration Requirements (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
ENTD381	Object Oriented Programming With Java	
ISSC331	Legal Issues in Information Security	

ISSC344	Open Source System Security
ISSC364	IT Security: Access Control and Authentication
ISSC411	Application Security
MATH302	Statistics
ISSC325	Biometrics
ISSC341	Introduction to Networking
ISSC343	Wireless Networks
ISSC366	IT Security: Cryptography
ISSC424	Virtualization Security
ISSC426	Cloud Security and Privacy
ISSC452	Cybersecurity
ISSC455	Digital Forensics: Investigation Procedures and Response
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security
ISSC458	Digital Forensics: Investigating Data and Image Files
ISSC459	Digital Forensics: Hard Disc and Operating Systems
ISSC461	IT Security: Countermeasures
ISSC490	IT Security: Business Continuity
Total Semester Hours	15

Concentration in Cloud Computing (15 semester hours)

Explores cloud computing's key principles, security, and privacy. Examines how to use resources for service specifications and contracts for proper management of cloud services, decision making and management techniques for best practices and organizational growth, and green IT.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC326	Cloud Computing	3
ISSC345	Service Oriented Architecture	3
ISSC386	Green Computing: Foundations and Strategies	3
ISSC424	Virtualization Security	3
ISSC426	Cloud Security and Privacy	3
Total Semester Hours		15

Concentration in Cyber Intelligence (15 semester hours)

Infiltration in an organization's systems may have already been targeted covertly and waiting for an appropriate moment for a beneficial attack by the adversary. Through information collection, social engineering, and reverse engineering of applications, cyber intelligence gives the tools necessary not only for an organization to protect its systems but also for the adversary to attack them with the same means. A complete vulnerability and threat analysis of all systems, cyber operational processes and policies in place, and revamping to build more resilient systems is key to stopping the adversary her path to approaching, attacking, or damaging the organization's systems. This concentration prepares the student to protecting systems targeted at multiple levels based on various laws, regulations, and Presidential directives. Possible target careers include: Cyber Intelligence Analyst, Cyber Threat Intelligence Analyst, Cyber Threat Analyst, and Cybersecurity Intelligence Analyst.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine the homeland security threat landscape through risks, threats, and consequences facing critical homeland security infrastructure.
- Demonstrate comprehensive knowledge of counterintelligence through its role of supporting the United States counterterrorism and cyberspace activities, functions, and cyberspace operations for guarding and protecting the nation.
- Examine the history, collections platforms, doctrinal employment, and the application of Signals Intelligence against current and future threats and challenges to national security.
- Demonstrate a solid understanding of assessment of threats to states through vulnerabilities of non-state actors.
- Through the use of various tools identify problems with confidentiality, integrity, and availability arising from the increased use of cyber technology and its devices.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HLSS320	Intelligence and Homeland Security	3
INTL410	Counterintelligence	3
INTL421	Signals Intelligence and Security	3
INTL434	Threat Analysis	3
ISSC452	Cybersecurity	3
Total Semester Hours		15

Concentration in Cybercrime Investigations (15 semester hours)

Cybercrime is on the rise resulting in billions of dollars in loss annually. The Federal Bureau of Investigation, the lead federal agency for investigating cyberattacks is working around the clock, on finding the targeting adversaries. Understanding how the adversary designs, plans, and attacks is a skill highly sought after in multiple sectors across the job market. Possible target careers include: Cyber Investigator, Cyber Action Team, Investigative Specialist, and Evidence Response Team.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate the role of the courts in the reformation of the U.S. criminal justice system and its relationship between the law and theories of crime to the justice policies and processes.
- Analyze the procedures for conducting a criminal investigation, interview and interrogation, and the process of preserving the integrity and chain of custody for a crime scene.
- Examine the current use of intelligence in law enforcement and its applications in support of investigations and operational planning.
- Utilize various crime analysis tools to effectively reduce crime and improve policy efficiency in preventing criminal activity relative to societal interdependencies.
- Through the use of various tools identify problems with confidentiality, integrity, and availability arising from the increased use of cyber technology and its devices.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
CMRJ303	Criminology	3
CMRJ306	Criminal Investigation	3
CMRJ320	Law Enforcement Intelligence Applications	3
CMRJ335	Crime Analysis	3
ISSC452	Cybersecurity	3
Total Semester Hours		15

Concentration in Cybersecurity (15 semester hours)

Covers the processes and goals of cyber forensics investigations, and explores federal and state laws and legal concepts affecting how governments and organizations think about information security. Teaches the importance of search warrants and chain of custody in forensic investigations. Examines cybersecurity regulatory standards and compliance requirements, and explores technologies needed to detect, investigate, and prevent computer-related crimes.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC331	Legal Issues in Information Security	3
ISSC325	Biometrics	3
ISSC343	Wireless Networks	3
ISSC452	Cybersecurity	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
Total Semester Hours		15

Concentration in Digital Forensics (15 semester hours)

Explores common incident response procedures and the forensics of wireless network attacks caused by mobile and wireless peripheral devices. Examines security and access procedures and how search warrants, chains of custody, and investigation logs impact digital investigations. Topics include basic tracking techniques and computer-related crimes, image file analysis, crime prevention techniques, and password cracking on various operating systems.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
Total Semester Hours		15

Concentration in Homeland Security (15 semester hours)

Critical infrastructures at the national level are continually targeted by the adversary through cyberattacks, cyberespionage, and cyber hacktivism. Assessing vulnerabilities and threats, increasing levels of protection and prevention against such threats, addressing cyber operational processes, and mitigating and building more resilient systems is key to the prevention of future cyberattacks of the nation's infrastructure and systems. This concentration expands on a holistic approach to cybersecurity and cyber operations. Possible target careers include: Cyber Incident Prevention and Response Team, Cyber Risk and Strategic Analyst, Cyber Intelligence Analyst, Cyber Threat Intelligence Analyst, Cyber Threat Analyst, and Homeland Security Cyber Intelligence Analyst.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine risk management in homeland security operations, its capabilities and limitations for homeland security support through assessments of United States critical infrastructure protection programs.
- Examine the roles and responsibilities of U.S. intelligence community members at the federal, state, and local levels, which support homeland security strategic process and operations.
- Examine the homeland security threat landscape through risks, threats, and consequences facing critical homeland security infrastructure.
- Examine the history, collections platforms, doctrinal employment, and the application of Signals Intelligence against current and future threats and challenges to national security.
- Through the use of various tools identify problems with confidentiality, integrity, and availability arising from the increased use of cyber technology and its devices.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HLSS302	Introduction to Homeland Security and Defense	3
HLSS303	Homeland Security Risk, Threats and Consequences	3
HLSS320	Intelligence and Homeland Security	3
INTL421	Signals Intelligence and Security	3
ISSC452	Cybersecurity	3
Total Semester Hours		15

Concentration in Wireless and Mobile Security (15 semester hours)

Mobile devices have become very common with everyone in everyday use – often using multiple mobile devices, cellular, Tablets, e-Readers, wearables and implantable electronics, etc., in addition to laptops and notebooks, simultaneously. These devices use wireless and mobile networks and downloadable applications and software, opening a wide array of security and privacy issues unsuspected by the user. This concentration for the Bachelors of Science in Information Systems Security will allow students to specialize in the methodologies used to secure the networks, hardware – devices, software – apps, and the laws and regulations, policies and procedures, and ethical responsibilities for privacy and security of mobile devices using mobile and wireless network infrastructures. The concentration will emphasize countermeasures taken to harden the security of various aspects of mobile technologies associated to government, military, industry, educational, and private enterprises.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine current mobile and wireless networks, their architecture, infrastructure, and various utilized components.
- Extrapolate threats and vulnerabilities introduced into the network infrastructures of wireless, mobile, cellular, and satellite technologies.

- Examine current mobile application models, their security framework, and methodologies on hardening the security to safeguard the devices running them.
- Appraise security hardening techniques for wireless or mobile device technologies based on wireless security principles and current industry standards.
- Compare and contrast the needs of law-enforcement versus individual right-to-privacy in wireless infrastructures.
- Prepare a group presentation or individual written assignment on a relevant wireless or mobile security topic.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC343	Wireless Networks	3
ISSC412	Mobile Application Security	3
ISSC415	Mobile Device Security	3
ISSC442	Wireless and Mobile Network Security	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ISSC498	IT Security: Implementation Plan: Capstone (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant and Senior Standing and completion of all major courses prior to enrollment.

Electives (30 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Information Technology

The Bachelor of Science in Information Technology is designed to produce academically sound and functionally competent IT professionals who can build and deploy networks, databases, web properties, and other IT-related assets. Core programming skills along with problem-solving skills and techniques are offered to help bring you a well-rounded technology education applicable to the IT marketplace today. Additional concentrations allow you to choose from dozens of specific courses in order to specialize in the IT area of interest for your career. IT personnel are needed in all industries, and this online bachelor's program helps prepare you for a variety of careers including programmer, systems analyst, project manager, web developer, database designer, and more.

Coursework in this program also meets various industry certifications including Certified Internet Webmaster (CIW). Please view course descriptions for complete details.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess the significance of the system development life cycle and its effectiveness.
- Build a software program with software quality and reusability using the principles and concepts of Object-Oriented Programming (OOP).
- Design a network that incorporates the principles of network technologies.
- Design a database that applies the fundamentals of database management systems.
- Analyze the computer and network security issues, policies, proactive measures, and software tools to counter security breaches and threats.
- Apply industry driven techniques for designing, developing, deploying, and securing enterprise applications on the desktop and on the Web.
- Demonstrate use of analytical, logical, and critical thinking to design, develop, and deploy effective Information Technology solutions.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		30
Select one of the following concentrations:		15
	General Concentration (p. 408)	
	E-Commerce (p. 408)	
	Mobile Computing (p. 409)	
	Programming (p. 409)	
	Web Development Using .NET (p. 410)	
Final Program Requirements		3
Elective Requirements		42
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
DSIN141	Image Enhancement using Adobe Photoshop	3
Select 1 course from the following: [1]		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
History		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
ENTD200	Fundamentals of Programming	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (30 semester hours)

Code	Title	Semester Hours
ITCC121	Introduction to Computer Science	3
WEBD121	Web Development Fundamentals	3

HRMT101	Human Relations Communication	3
ENTD220	Introduction to Python	3
ENTD311	Analysis and Design of Information Systems	3
ENTD321	Object Oriented Programming and UML	3
ISSC411	Application Security	3
ISSC341	Introduction to Networking	3
INFO321	Database Management Systems	3
ISSC431	Database Systems Security	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, E-Commerce Concentration, Mobile Computing Concentration, Programming, or Web Development using .NET Concentration.

General Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript	3
INFO331	Management Information Systems	3
ISSC422	Information Security	3
ISSC321	Computer Systems Organization: Intermediate	3
Total Semester Hours		15

E-Commerce Concentration (15 semester hours)

The purpose of this concentration is to broaden the scope of understanding e-commerce for information technology students interested in using this technology. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately address the needs of the students. The growth of the World Wide Web, supported by the increased use of the Internet to purchase goods and services, has led to e-commerce, or electronic commerce, the buying and selling of products and services via computer networks. E-commerce is now one of the leading trends in Web technology that is influencing the use of Websites. Two pioneers of e-commerce are Amazon.com, which sells books and other goods, and Priceline.com, which allows customers to pay for airline tickets and hotel rooms online. E-commerce focuses on three major types of e-commerce as defined by B2B (business-to-business) commerce, B2C (business-to-consumer), and C2C (consumer-to-consumer).

Upon successful completion of this concentration, the student will be able to:

- Explain the principles and practices of e-commerce technology.
- Analyze guidelines and techniques associated with e-commerce development.
- Summarize the growing trends of e-commerce development and how it is transforming businesses.
- Analyze Web technology tools available to manage e-commerce.
- Apply Web analytics, Web videography, search engine optimization, and Web content management systems skills to promote e-commerce.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
WEBD300	User Interface Design	3
WEBD311	Internet Concepts	3
WEBD321	Web eCommerce Development	3

WEBD322	Web Videography	3
WEBD323	Search Engine Optimization	3
Total Semester Hours		15

Mobile Computing Concentration (15 semester hours)

Focuses on mobile application design and development, and how mobile devices enhanced by application software are changing the face of technology. Uses scenario-based exercises and requires students to use assigned tools to write, test, and deploy mobile software applications.

Upon successful completion of this concentration, the student will be able to:

- Examine the principles and practices of mobile computing.
- Summarize the growing trends of mobile computing development and how it is transforming businesses.
- Research guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone, and iPad.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ENTD313	Mobile Application Design and Development	3
ENTD322	Application Development for the Droid	3
ENTD333	Application Development for the iPhone and iPad	3
ENTD380	Introduction to Object Oriented Programming with Java	3
ENTD413	Advanced Mobile Application Design and Development	3
Total Semester Hours		15

Programming Concentration (15 semester hours)

The purpose of this concentration is to build a stronger foundation in Object Oriented Programming using Java programming. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately equip students with marketable skills. There has been a substantial growth in application software development as companies seek customized applications to address their requirements. According to the U.S. Bureau of Labor Statistics, employment of computer programmer is expected to grow by eight percent between now and the year 2022. Java is one of the most highly recommended programming languages for students to learn. It serves is a primary language for building mobile apps, games, and enterprise software and works across multiple platforms.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the principles and practices applicable to programming in Java.
- Analyze guidelines and techniques associated with object oriented programming using Java.
- Summarize the growing trends of software development and how it is transforming businesses.
- Apply object oriented programming using Java programming language.
- Build software programs using Java programming language.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ENTD261	Scripting Languages for the Administrator	3
ENTD380	Introduction to Object Oriented Programming with Java	3
ENTD381	Object Oriented Programming With Java	3
ENTD481	Enterprise Development using J2EE	3
ENTD411	Application Development	3
Total Semester Hours		15

Web Development using .NET Concentration (15 semester hours)

This concentration focuses on the principles and practices necessary to design, develop, and deploy web applications using the .NET framework on the Web. Graduates will be able to build real-world .NET applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as: Web database developer, Visual Basic developer, C# developer, and .NET developer. In addition to applying and using Object-Oriented Programming (OOP), Visual Basic, ASP, and C# to develop web applications.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Summarize the impact of the .NET framework on IT Management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the use of Object-Oriented Programming (OOP) principles in Visual Basic, ASP, and C#.
- Analyze the hierarchy of the Framework Class Libraries (FCL)
- Design application objects and properties for use on the web.
- Develop application objects and properties for use on the Web.
- Explain the architecture, life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ENTD361	Enterprise Development Using VB.NET: Introduction	3
ENTD461	Enterprise Development Using VB.NET: Advanced	3
ENTD462	Enterprise Development Using ASP.NET	3
ENTD463	Enterprise Development Using C#	3
ENTD464	Enterprise Development using .NET: Project	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
INFO498	Information Technology: Capstone (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant and Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Information Technology - Momentum

With this Momentum program, instead of attending classes, you'll work with faculty mentors to demonstrate your mastery in one competency area and move to the next until you complete your degree. You must have a conferred associate degree (A.A. or A.S.) from an accredited college to enroll in this program. To learn more about Momentum, contact an admissions representative or your academic advisor.

The Bachelor of Science in Information Technology is designed to produce academically sound and functionally competent IT professionals who can build and deploy networks, databases, web properties, and other IT-related assets. Core programming skills along with problem-solving skills and techniques are offered to help bring you a well-rounded technology education applicable to the IT marketplace today. Additional concentrations allow you to choose from dozens of specific courses in order to specialize in the IT area of interest for your career. IT personnel are needed in all industries, and this online bachelor's program helps prepare you for a variety of careers including programmer, systems analyst, project manager, web developer, database designer, and more.

Coursework in this program also meets various industry certifications including Certified Internet Webmaster (CIW). Please view course descriptions for complete details.

Software and/or lab equipment required for some topics in this program are not included in the Momentum tuition cost and will need to be purchased by the student.

Degree Requirements (60 semester hours)

A conferred associate of arts or associate of science degree (or higher degree) is required for admission into any Momentum program. This conferred degree fulfills the first 60 credits toward the Momentum bachelor's degree.

Momentum Requirements (61 semester hours)

ITCC121 - Introduction to Computer Science

- ITCC121A - General Hardware and Software Requirements: Explain the four basic operations that all computers follow to meet hardware and software requirements.
- ITCC121B - Software Application: Outline the process used to develop software for an organization.
- ITCC121C - Computer and Internet Services: Build a working computer with all the major hardware and software components needed to utilize basic Internet services.
- ITCC121D - Open System Interconnection Seven Layers: Build a table illustrating key activities of the Open System Interconnection (OSI) seven layers.

ITCC112 - Advanced Productivity Applications

- ITCC112A - Microsoft Excel and Workplace Requirements: Explain how MS Excel application may be used to address workplace requirements.
- ITCC112B - Microsoft Excel and Formatting: Build an Excel document to implement formatting and customization techniques.
- ITCC112C - Microsoft Excel and Formula: Create a spreadsheet that includes formulas, tables, and charts.

ITCC113 - Office Presentation Applications

- ITCC113A - Microsoft PowerPoint and Workplace Requirements: Explain how MS PowerPoint application may be used to address workplace requirements.
- ITCC113B - Microsoft PowerPoint and Formatting: Build a PowerPoint document to implement formatting and customization techniques.
- ITCC113C - Microsoft PowerPoint and Templates: Create a PowerPoint Presentation that uses templates, tables and a chart.

INFO331 - Management Information Systems

- INFO331A - Information Systems and Business Impact: Explain how information systems impact businesses.
- INFO331B - Information Systems and Application Software: Apply application software and technologies to improve business productivity.
- INFO331C - Management Information System Issues and Strategies: Examine key business strategies to address security issues and emerging information systems.

ENTD200 - Fundamentals of Programming

- ENTD200A - Pseudocode and Flowcharts: Use pseudocode and flowcharts to represent the logical steps required to solve a problem and explain why this effort promotes good software development.
- ENTD200B - Programming Using Decision Tables and Branching Structures: Write a program that uses decision tables and branching structure to solve a simple programming problem.
- ENTD200C - Programming Using Loop Structures: Write a program using loop structure and arrays in order to solve a programming problem.

ENTD311 - Analysis and Design of Information Systems

- ENTD311A - Systems Development Life Cycle and Information Systems: Outline the major steps involved in the Systems Development Life Cycle (SDLC) in order to develop an efficient information system.
- ENTD311B - System Sequence Diagram and Information Systems: Build a system sequence diagram (SSD) that documents the inputs to and outputs from a system.
- ENTD311C - Case Descriptions and UML Diagrams in Information Systems: Explain how use case descriptions and UML diagrams define functional requirements.

ENTD321 - Object-Oriented Programming and UML

- ENTD321A - UML Design and Use Case in Object-Oriented Programming: Design a UML use case diagram and expand the use cases to show their detailed use case steps for a scenario.
- ENTD321B - UML Class Diagram in Object-Oriented Programming: Develop a UML class diagram with attributes, operations, and associations from a description of an application.
- ENTD321C - Sequence Diagram in Object-Oriented Programming: Build a sequence diagram to illustrate the differences to that of a use case diagram.
- ENTD321D - Application Class Diagram in Object-Oriented Programming: Develop an application class diagram.

ISSC411 - Application Security

- ISSC411A - Web-based Application Security: Explain the use of web-based applications and associated technologies.
- ISSC411B - Web-based Application Risks: Assess web-based application risks and vulnerabilities.
- ISSC411C - Web-based Application Strategies: Develop security strategies to address web-based application risks and vulnerabilities.

ISSC341 - Introduction to Networking

- ISSC341A - Network Environments: Identify category, type, protocol, components, cablings, characteristics, transmission standards, and utilization systems for network environments.
- ISSC341B - Network Backup and Recovery Solutions: Apply network security principles to assess and create backup and recovery solutions for wired and wireless network environments.
- ISSC341C - Network Management Techniques: Apply network management techniques to monitor performance of OSI network architectures.

INFO321 - Database Management Systems

- INFO321A - Database Management Systems Organization: Examine the key components of Relational Databases and Database Management Systems (DBMSs) to develop an appropriate database for an organization.
- INFO321B - Planning for Database Management Systems: Plan a relational database to address business requirements based on the principles of database design, development, and implementation.
- INFO321C - Normalization Principles in Database Management Systems: Based on database normalization principles and performance needs, design a normalized database.

ISSC431 - Database Systems Security

- ISSC431A - Database Systems Security Risks: Describe database systems, their role and importance in organizations, and associated risks and loss to the organization in case of unauthorized infiltration and corruption.
- ISSC431B - Database Systems Security Threats: Create an assessment for database security vulnerabilities and threats for a mitigation decision-making process.
- ISSC431C - Database Systems Security Audit Checklist: Based on database security audit checklist, design and develop a security strategy for securing databases for monitoring system health and recovery backup plan for business continuity.

WEBD121 - Web Development Fundamentals

- WEBD121A - Evolution of Web Development: Describe the evolution of website design with specific focus on HTML5 and CSS standards.
- WEBD121B - Web Development Using JavaScript: Write a web-based JavaScript function that interacts with a user.
- WEBD121C - Web Development Using HTML5 and CSS3: Create a website, using HTML5 and CSS3 standards to request relevant information from site visitors.

WEBD221 - Intermediate Web Development

- WEBD221A - Web Development Using HTML5 and CSS3: Create an informative website using HTML5 and CSS3 style sheet standards
- WEBD221B - Web Development Using JavaScript: Create a website with JavaScript codes and advanced CSS3 techniques
- WEBD221C - Web Development for Mobile Devices: Create a website for a mobile device with Application Programming Interface (API).

WEBD241A - Web Development using JavaScript

- WEBD241A - JavaScript Security Implications: Differentiate JavaScript security implications and the scripting of languages, markup languages, and program languages in respect to the World Wide Web (WWW).
- WEBD241B - JavaScript Functions: Create a website using JavaScript functions.
- WEBD241C - JavaScript Form and 508 Compliance: Create a website using Document Object Model (DOM) in JavaScript with a form that is 508 compliant.

WEBD122 - Introduction to Web Analytics

- WEBD122A - Analyzing Data for Decision Making: Examine tools for capturing and analyzing data in order to develop data collection decisions with strong analytics.
- WEBD122B - Analyzing Data Using Web-based Tools: Identify ways to capture and represent data for creating reports and charts, using traditional and Web-based tools.
- WEBD122C - Web Analytic Solutions: Develop several web analytic solutions for a business using a website with limited to no web tracking tools.

WEBD222 - Advanced Web Analytics

- WEBD222A - Web Analytics in Business Structure: Evaluate the benefits of web analytics, reporting procedures, and the differences between web server log files and Java Scripting in a business structure.
- WEBD222B - Web Analytics and Tactics: Develop specific tactics to collect and identify information and data to implement strategies.
- WEBD222C - Web Analytics and Business Solutions: Utilize web analytic techniques to assess relationships between organizational efforts and business outcomes to provide business solutions.

WEBD321 - Web Ecommerce Development

- WEBD321A - Ecommerce Trends and Strategies: Analyze ecommerce trends and strategies to identify how they impact e-business and current business.
- WEBD321B - Ecommerce Laws and Security: Explain how a business may market a website using ecommerce technologies while taking ecommerce laws and security in consideration.
- WEBD321C - Methods for Improving Ecommerce: Create a report that outlines methods for improving ecommerce presence.

ISSC321 - Computer Systems Organization: Intermediate

- ISSC321A - Standard for Building Basic Computer: Explain standard computer hardware components needed to build a basic computer system.
- ISSC321B - Installing Network System: Develop a plan to install a network system to upgrade an existing network system.
- ISSC321C - Troubleshooting Computer Systems: Apply best practices to troubleshooting computer systems.

ISSC422 - Information Security

- ISSC422A - Information Security Plan: Create an information security plan for identifying and prioritizing information assets, identifying and prioritizing possible threat to these assets, and mitigating risks associated to asset losses in possible attacks.
- ISSC422B - Information Security Disaster Recovery Plan: Create and present a disaster recovery plan (DRP) within legislative boundaries to allow businesses to continue functioning with recovered information assets vital to the success of the organization.

INFO498 - Information Technology: Capstone

- INFO498A - Information Technology Impact: Explain the impacts of information technology on business strategies.
- INFO498B - Information Technology Proposal: Create a proposal that includes analyzing and designing a new database system with specified requirements.
- INFO498C - Information Technology Test and Implementation: Create a proposal that includes developing, testing and implementing a new database system with specified requirements.

Total = 121 semester hours

Bachelor of Science in Information Technology Management

The Bachelor of Science in Information Technology Management focuses on the problem-solving skills and techniques needed to provide computer-based solutions to practical problems. You'll be taught how to develop and communicate technological solutions, manage systems operations, improve and evaluate products, provide customer support, and facilitate technology transfer in both the public and private sectors. You'll also learn to apply ethical judgments and critical thinking to assess the impact of information technology on contemporary social, political, and economic issues. This bachelor's degree program prepares you for a broad range of IT positions in multiple fields, such as a programmer analyst, systems analyst, database analyst, information systems analyst, network analyst, security analyst, security risk assessor and manager, project manager, or computer resource manager.

Some courses in this program meet the topical requirements for CompTIA Project+ Certification, the MS Office Word 2013 Certification, and the Internet Business Foundations curriculum of the CIW Foundations Certification.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Interpret fundamental computer science concepts.
- Use computer applications to enhance productivity.
- Integrate the theory and practice of information technology with the fundamental principles of business enterprise management, finance, operations, strategic planning, and marketing.
- Examine the influences of technology on the conduct of business operations, the rise of e-commerce, the globalization of business, and the increase in telecommuting.
- Apply the principles of Information Technology Management in a modern organization.
- Identify the prevailing cyber and legal principles and issues associated with information technology the workplace and in society at large.
- Appraise the principles and practices of database systems, networks, information systems, information security, and information technology project planning.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		45
Final Program Requirements		3
Elective Requirements		42
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
DSIN141	Image Enhancement using Adobe Photoshop	3
Select 1 course from the following: [1]		3

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	

Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (45 semester hours)

Code	Title	Semester Hours
ITCC121	Introduction to Computer Science	3
ITCC200	Application Software Integration	3
WEBD122	Introduction to Web Analytics	3
ENTD200	Fundamentals of Programming	3

BUSN320	Principles of E Business	3
INFO331	Management Information Systems	3
INFO321	Database Management Systems	3
ISSC341	Introduction to Networking	3
ISSC363	IT Security: Risk Management	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
ITMG321	Information Technology Project Management	3
ITMG322	Project Management Using MS Project	3
ITMG481	Ethics in Information Technology	3
ITMG421	Virtual Management	3
WEBD321	Web eCommerce Development	3
Total Semester Hours		45

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ITMG498	IT Management: Senior Seminar (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant and Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Legal Studies

The Bachelor of Science in Legal Studies offers in-depth knowledge of the U.S. court system, legal writing and research, legal practice, and various types of law, while emphasizing governance, civil and criminal processes, and the theory and philosophy of justice. This degree is helpful preparation for careers such as court administrator, investigator, paralegal, law clerk, court clerk, and similar jobs requiring a broad understanding of law and the legal field. Knowledge gained from this degree is applicable to many employers such as law firms, corporations, and local and national government agencies.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify historical events and figures that have contributed to the present-day court system in the United States.
- Conduct legal research and demonstrate the fundamentals of legal writing and citation.
- Identify and apply the procedural vehicles used by agencies for making agency policy, including agency investigations and subpoenas, agency rulemaking and agency adjudication
- Analyze the processes, ethics, and procedures of the modern legal practice.
- Explain the various rights provided to United States Citizens by the U.S. Constitution, Amendments, Bill of Rights, and various U.S. Supreme Court decisions.
- Relate the purpose and scope of criminal law in America to its sources.
- Examine the various legal issues related to family law.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
General Concentration (p. 423)		24
Final Program Requirements		3
Electives Requirements		39
Total Semester Hours		120

General Education Requirements

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
Select 2 courses from the following:		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	

LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
ENGL110	Making Writing Relevant	3
COMM110	Information & Digital Literacy	2
ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 course from the following:		3

HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (24 semester hours)

Code	Title	Semester Hours
LSTD204	Introduction to the Courts	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
LSTD300	Administrative Law and Policy	3
LSTD301	Constitutional Law	3
LSTD302	Criminal Law	3
LSTD303	Family Law	3
Total Semester Hours		24

General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
LSTD209	Sports Law, Risk, and Regulation	
HOSP204	Introduction to Hotel and Restaurant Law	
BUSN311	Law and Ethics in the Business Environment	
EVSP411	Environmental Policy, Regulation, and Law	
HOSP302	Hospitality Law	
ITMG381	Cyberlaw and Privacy in a Digital Age	
LSTD304	Military Law	
LSTD306	International Law	
LSTD401	Maritime Law	
LSTD402	Immigration Law and Policy	
LSTD453	Evidence	
POLS410	Public Policy	
SOCI422	Sociology of the Law	
SSGS490	Independent Study	
Total Semester Hours		24

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
LSTD497	Senior Seminar in Legal Studies (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics degree explores advanced mathematical theory and analytical methods, while sharpening the student's critical-thinking skills for solving complex science and technology problems. You will study advanced models for real-world data modeling projects and be taught how to analyze and effectively communicate mathematical theory. Our online math degree is designed for working professionals seeking to excel in multiple areas including computer programming, finance, education, logistics, management, engineering, space studies, and more. This flexible degree is also ideal in preparing you for post-graduate education or the rigors of teaching.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply calculus, statistics, and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical models.
- Apply mathematical models to solve problems or provide insights into complex issues.
- Implement qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate mathematics verbally and in writing.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		42
Select one of the following concentrations:		21
Applied Mathematics (p. 427)		
Operations Research (p. 427)		
Statistics (p. 428)		
Final Program Requirements		3
Electives		24
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following: [1]		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	

LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3

ENGL102	Effectiveness in Writing	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Core Requirements (42 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
MATH200	Analytic Geometry	3
MATH210	Discrete Mathematics	3
MATH225	Calculus	3
MATH220	Linear Algebra	3
MATH226	Calculus II	3
MATH227	Calculus III	3
MATH240	Differential Equations	3
ENGL220	Technical Writing	3
MATH239	Data Analysis and Presentation	3
MATH302	Statistics	3
MATH328	Probability Theory with Applications	3
BUSN312	Operations Research	3

MATH320	Mathematical Modeling	3
Total Semester Hours		42

Students must choose a concentration for this degree program and may select from a Concentration in Applied Mathematics, Concentration in Operations Research, or a Concentration in Statistics.

Concentration in Applied Mathematics (21 semester hours)

Offers an overview of how to investigate and solve problems through advanced mathematical theory and analysis. Explores qualitative and quantitative methods of mathematical knowledge. Looks at communicating the theories, methods, and results of advanced analyses verbally or in writing.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Applied Mathematics seeks the following specific learning outcomes of its graduates.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply advanced mathematical theory and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate advanced mathematical models.
- Implement advanced mathematical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods, and results of advanced mathematics analyses verbally and in writing.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
MATH305	Real Analysis	3
MATH330	Linear Optimization	3
MATH360	Mathematics History and Development	3
MATH412	Graph Theory	3
MATH470	Measurement Theory	3
MATH418	Topology	3
MATH460	Principles of Applied Mathematics	3
Total Semester Hours		21

Concentration in Operations Research (21 semester hours)

Examines how advanced analysis and operations research is used in the investigation and solution of scientific and technological problems. Covers why critical thinking, problem assessment and evaluation, and the formulation of operational models is essential for solving problems or gaining insights. Teaches how to communicate operations research.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Operations Research seeks the following specific learning outcomes of its graduates.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply advanced analytical and operations research methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate operational models.
- Implement operational models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize advanced mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of operations research analyses verbally and in writing.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
MATH330	Linear Optimization	3
MATH340	Multivariate Statistics	3
MATH360	Mathematics History and Development	3
MATH375	Inventory Models and Systems	3
MATH410	Design of Experiments	3
MATH415	Operational Simulation	3
MATH420	Game Theory and Decision Models	3
Total Semester Hours		21

Concentration in Statistics (21 semester hours)

Explores the relationship of advanced statistics, analysis, and critical thinking to assessing, investigating, and solving problems in science and technology. Teaches how to formulate and implement mathematical and statistical models for either problem solving or providing insights into complicated issues. Examines the use of qualitative and quantitative mathematics, synthesis of mathematical knowledge, and communication of statistical analyses.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Statistics seeks the following specific learning outcomes of its graduates.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply advanced statistics and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical and statistical models.
- Implement mathematical and statistical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of statistical analyses verbally and in writing.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
MATH325	Linear Regression I	3
MATH335	Non Parametric Statistics	3
MATH340	Multivariate Statistics	3
MATH360	Mathematics History and Development	3
MATH410	Design of Experiments	3
MATH431	Linear Regression II	3
MATH440	Stochastic Processes	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MATH499	Senior Seminar in Mathematics (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Electives (24 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Natural Sciences

The Bachelor of Science in Natural Sciences helps you to build a solid foundation in biology, chemistry, physics, mathematics, and earth science. This entirely online science program gives you hands-on, at-home laboratory exercises to complement the concepts covered in the classroom. You'll be taught the history and philosophy of science as well as the scientific method that is essential to research. This online bachelor's degree helps you develop your skills in scientific analysis, research, communication, and documentation, and study the relationship between the human and the natural world. Knowledge gained from this program can be applied to careers as a scientist, biologist, laboratory technician, or manager, or to pursue higher-level graduate study in the natural science fields.

In addition, the B.S. in Natural Science meets all content standards of the National Science Teachers Association (NSTA) for secondary science education. Therefore, upon completion of this program, you will be eligible to pursue teaching certification through a post-baccalaureate program in education if your goal is to become a high school or middle school science teacher. (This is not a teacher-preparation program and does not lead to licensure. It only covers the needed science content.)

This program has specific transfer credit requirements, including time limits on previous courses completed.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate a solid foundation in the theory and application of the natural sciences.
- Apply the scientific method and appropriate tools to investigate and solve problems.
- Demonstrate critical thinking skills in assessing and evaluating problems.
- Formulate scientific models and apply them to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the scientific domains.
- Use quantitative techniques to solve complex problems.
- Effectively communicate scientific findings verbally and in writing, to both scientific and lay audiences.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		36
Select one of the following concentrations:		32
Biology (p. 433)		
Earth Science (p. 434)		
Final Program Requirements		3
Elective Requirements		19
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
PHIL202	Philosophy of Science	3
Select 1 course from the following: [1]		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
History (3 semester hours)		
HIST270	History of Science	3
Mathematics (3 semester hours)		
MATH111	College Trigonometry	3
Natural Sciences with Lab (4 semester hours)		
SCIN134	Introduction to Astronomy with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (36 semester hours)

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
BIOL133	General Biology I with Lab	4
CHEM134	General Chemistry II with Lab	4
BIOL134	General Biology II with Lab	4
GEOG103	Physical Geography	3
MATH225	Calculus	3
Select 1 course from the following:		4
PHYS133	Elements of Physics I with Lab	
SCIN233	Physics I with Lab	
MATH226	Calculus II	3
Select 1 course from the following:		4
PHYS134	Elements of Physics II with Lab	
SCIN234	Physics II with Lab	
MATH302	Statistics	3
Total Semester Hours		36

Students must choose a concentration for this degree program and may select from the Biology or Earth Science Concentrations.

Concentration in Biology (32 semester hours)

In addition to the general biology courses required in this major, this concentration offers advanced courses to enable you to study biology at a deeper level across multiple scales. The concentration investigates the principles of genetics, heredity, and biological evolution, as well as the structure and function of organisms from the single cell to the complex mammals.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the organization, functions, and biochemical pathways required for life at the cellular level.
- Integrate the laws of chemistry and physics with the principles of cell biology.
- Relate the structures and functions of multicellular organisms with the maintenance of homeostasis.
- Integrate the principles of genetics, heredity, and biological evolution.
- Relate the survival of individual organisms with the principles of population biology, the environment, and biological evolution.
- Describe common research methods in biology.

Concentration Requirements (32 semester hours)

Code	Title	Semester Hours
BIOL240	Elements of Biological Chemistry	3
BIOL241	Cell Biology	3
SCIN211	Principles of Genetics with Lab	4
BIOL342	Evolutionary Biology with Lab	4
EVSP416	General Ecology	3
SCIN400	Research Methods in Natural Sciences	3
Select 4 courses from the following:		12
BIOL301	Molecular Biology	
GEOG200	Fundamentals of Geographic Information Systems I	
SCIN202	Introduction to Microbiology	
SCIN206	Marine Biology	
SCIN310	Vertebrate Zoology	
SCIN311	Fishery Biology	
EVSP342	Population Ecology	
EVSP417	Conservation Biology	
SCIN314	Botany	
SCIN316	Plant Identification, Taxonomy, and Systematics	
SCIN401	Mammalogy	
SCIN402	Ornithology	
SCIN403	Plant Science	
SCIN490	Independent Study - Natural Sciences	
SPST200	Introduction to Space Studies	
SPST306	Human Space Flight	
Total Semester Hours		32

Concentration in Earth Science (32 semester hours)

In this concentration, you will study the relationship between the physical, chemical, and biological processes operating in and on the Earth. You will learn about the history of the Earth and the evolution of systems such as the oceans and atmosphere, as well as detailed information about soils, streams, weather, and climate. The relationship between humans and the Earth is examined from multiple perspectives.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Use the scientific method and scientific tools to solve programs related to the Earth.
- Demonstrate a comprehensive understanding of the interrelated physical, chemical, and biological processes operating in the Earth system.
- Identify the process and features associated with the Earth's interior, landscapes, oceans, and atmosphere.
- Construct a history of the Earth, focusing on physical, chemical, and biological changes.
- Present earth science information clearly, in multiple formats (written, oral, graphically).
- Integrate knowledge of earth science into an understanding of societal issues and problems.
- Demonstrate good scientific ethics.
- Identify different earth materials, including those of economic value.

Concentration Requirements (32 semester hours)

Code	Title	Semester Hours
SCIN138	Introduction to Physical Geology with Lab	4
GEOG200	Fundamentals of Geographic Information Systems I	3
ERSC204	Earth System History	3
ERSC206	Weather and Climate	3
SCIN261	Introduction to Planetary Science with Lab	4
ERSC305	Ocean and Atmospheric Dynamics	3
SCIN400	Research Methods in Natural Sciences	3
Select 3 courses from the following:		9
ERSC302	Geomorphology	
ERSC303	Conservation of Natural Resources	
ERSC401	Natural Hazards and Society	
EVSP310	Water Science	
EVSP311	Soil Science	
EVSP414	Air Quality Management	
EVSP416	General Ecology	
GEOG201	Fundamentals of Geographic Information Systems II	
SCIN490	Independent Study - Natural Sciences	
SPST200	Introduction to Space Studies	
SPST435	Planetary and Space Exploration	
SPST465	Space Weather	
Total Semester Hours		32

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SCIN499	Senior Seminar in Natural Sciences (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: SCIN400 - Research Methods in Natural Sciences and senior standing and completion of all major courses prior to enrollment.

Elective Requirements (19 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major. Students in the Biology concentration are encouraged to consider the 4 semester hour courses BIOL201 - Principles of Anatomy and Physiology with Lab, BIOL202 - Principles of Microbiology with Lab, or the Human Anatomy and Physiology with Lab sequence (BIOL250 and BIOL251) as part of their elective choices.

Bachelor of Science in Nursing

The online Bachelor of Science in Nursing degree is open to registered nurses who have earned an associate degree in nursing and have a current, active, and unencumbered license. The mission of the program is to provide quality, affordable, and accessible higher education to professional registered nurses by fostering lifelong learning through a spirit of inquiry in order to prepare students for service and leadership roles in a diverse and global society.

This online nursing program offers you a seamless transition from your associate degree to BSN degree, and provides a foundation for further graduate studies in nursing.

In this online RN to BSN program, you will work with credentialed and experientially qualified faculty to promote interprofessional collaboration and engagement. Online faculty-facilitated discussions and signature assignments provide you the opportunity to review and evaluate a variety of case studies and patient presentations.

The Bachelor of Science in Nursing (BSN) program is accredited by the Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation), One Dupont Circle, NW, Suite 530, Washington, DC 20036, 202-887-6791.

Note: This R.N. to B.S. in Nursing program is currently not open for admission to Tennessee residents or Washington State residents and RN license holders.

This program has specific admission requirements.

Degree Program Outcomes

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Improve performance in the professional nursing role by developing leadership, management, and communication skills to promote the health of individuals, families, and communities.
- Enhance collaboration with members of healthcare teams to achieve effective and efficient coordination of patient-centered care.
- Utilize evidence-based clinical practice guidelines and leadership principles to promote a culture of safety and achieve outcomes that are grounded in institutional values and professional ethics.
- Apply informatics and healthcare technologies to access critical information, to collaborate with other professionals, and to facilitate optimal patient-centered care.
- Apply scientific principles and the nursing process to evaluate responses to therapies and changes in patient health status.
- Integrate knowledge of human and organizational behavior to lead teams and to promote cultures of safety.
- Analyze the impact of financial, regulatory, and political decisions on local, national, and global health outcomes.
- Synthesize knowledge of ethical, socioeconomic, and cultural factors to decrease health disparities and advocate for diverse populations.
- Employ a spirit of inquiry to embrace the value of lifelong learning and participate in professional activities that promote and shape the future of nursing.

Degree at a Glance

Code	Title	Semester Hours
Registered Nurse License		30
General Education Requirements		30
Major Required		28
Final Program Requirements		3

Elective Requirements	29
Total Semester Hours	120

Degree Program Requirements

Registered Nurse License (30 semester hours)

Code	Title	Semester Hours
Current active, unencumbered registered nursing license		30
Total Semester Hours		30

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following: [1]		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		

Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course From the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	

Mathematics (3 semester hours)		
MATH120	Introduction to Statistics	3
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (28 semester hours)

All Nursing (NURS) courses must be completed within 5 years of taking NURS300 in order to be eligible for graduation.

Code	Title	Semester Hours
NURS300	Professional Transitions in Nursing (required as the first course in this program) [1]	3
NURS310	Assessment, Evaluation and Clinical Decision-Making	3
NURS325	Integrated Pathophysiology and Clinical Pharmacology	4
NURS340	Science of Evidence-Based Practice	3
NURS350	Transformational Leadership and Cultures of Safety	3
NURS400	Emerging Scholarship and Trends in Healthcare	3
NURS401	Caring for Today's Veterans	3
NURS421	Community Health I	3
NURS422	Community Health II	3
Total Semester Hours		28

[1] Only students who applied to and are accepted to the Nursing Program may enroll in nursing (NURS) courses.

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
NURS498	Senior Seminar in Nursing Studies (Must have a 'B' or better and to be taken as the last course before conferral) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (29 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Public Health

The Bachelor of Science in Public Health degree provides a professionally focused understanding of public health in America and abroad including the science, psychology, and sociology associated with public health issues. You will study public law, policy, and administration associated with the administration of public health along with its management, finances, and structure.

This online degree program is intended for professionals seeking advancement in the public health field or who desire to enter the field as a community health worker or educator, dietitian, nutritionist, health services manager, or occupational health and safety technician.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply organizational design principles to the unique healthcare organization construct.
- Perform macro- and microeconomic analyses of healthcare production and costs.
- Critically analyze the healthcare system in the United States.
- Create a plan for efficient healthcare system management.
- Develop an ethical system to analyze moral issues in public health services delivery.
- Discuss epidemiological issues in society.
- Appraise the U.S. medical care system, its problems, and potential for reform.
- Analyze international and comparative public health concepts, approaches, and systems.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		37
Select one of the following concentrations:		21
General Concentration (p.)		
Concentration in Emergency and Disaster Management (p.)		
Concentration in Nutrition and Wellness (p.)		
Concentration in Public Health Informatics (p.)		
Final Program Requirements		3
Elective Requirements		29
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
PHIL200	Introduction to Ethics	3
Select 1 course from the following: [1]		3

ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
ENGL200	Composition and Literature	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	

Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
COMM285	Interpersonal Communications	3
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics and Applied Reasoning (3 semester hours)		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (37 semester hours)

Code	Title	Semester Hours
PBHE111	Introduction to Health Care Administration	3
PBHE112	Health Services Organization	3
SCIN131	Introduction to Chemistry with Lab	4
PBHE209	Wellness: Health Promotion and Disease Prevention	3
PBHE211	Public Health in America	3
SPHE295	Foundations of Nutrition	3
PBHE215	Healthcare: Moral Issues	3
COLL300	Research, Analysis, and Writing	3
MGMT312	Leadership & Motivation	3
PBHE315	Health Economics and Finance	3

PBHE427	Epidemiology	3
POLS410	Public Policy	3
Total Semester Hours		37

You must choose a concentration for this degree program and may select from the General Concentration, Emergency and Disaster Management, Nutrition and Wellness, or Public Health Informatics Concentrations.

General Concentration (21 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 7 courses from the following:		21
PBHE426	Quarantine	
PBHE413	Special Operations in Emergency Medical Services	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
EDMG340	Consequence Management	
EDMG420	Risk Communications	
PSYC431	Psychology of Disaster	
PSYC460	Sports Psychology	
SOCI315	Food and Culture	
SOCI423	Sociology of Health and Illness	
SPHE314	Exercise Physiology	
SPHE320	Nutrition	
SPHE460	Business Aspects of Fitness and Wellness	
SPHE461	Current Issues and Trends in Fitness and Wellness	
HIMA100	Medical Terminology	
HIMA110	Introduction to Health Information Management	
HIMA250	Healthcare Delivery Systems and Documentation	
HIMA310	Electronics Health Records Fundamentals	
HIMA360	Health Informatics Project and Enterprise Management	
HIMA410	Informatics and Analytics	
HIMA460	Healthcare Data Management and Governance	
Total Semester Hours		21

Concentration in Emergency Disaster and Management (21 semester hours)

Focuses on the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Public health consequences of nuclear, biological, and chemical incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies will be explored. Psychological and physiological human response to natural and man-made disasters and media management will be discussed.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure.
- Analyze specialized issues associated with emergency medical services in mass casualty, biological, chemical and radiological incidents.
- Define and discuss the roles and responsibilities of the Incident Command System used in crises, disasters, and emergency management response systems.
- Identify the historical development and use of chemical and biological weapons and their impacts
- Examine media management during local/national disasters and the levels of governmental response.
- Examine normal and abnormal physiological and psychological reactions to natural and man-made disasters, and discuss the recovery process and principles of mental health care for victims of mass disasters.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE426	Quarantine	3
EDMG340	Consequence Management	3
EDMG420	Risk Communications	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		21

Concentration in Nutrition and Wellness (21 semester hours)

Focuses on nutrition and health, and analyzes human food choices from an ecological, political, and sociological perspective. Looks at the psychological effects of exercise and discusses issues related to personality factors and exercise motivation. Provides instruction on psychological skills training program development, which incorporates theories of anxiety reduction, imagery training, and effective goal setting.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the role of nutrition on individual health.
- Describe issues related to the personality factors in exercise and the psychological effects of exercise.
- Discuss challenges related to motivation and the fundamentals of achievement motivation to guide practice and performance.
- Explain concepts related to social, environmental. and occupational factors in health and illness.
- Analyze human food choices from an ecological, political, and sociological perspective.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
SOCI315	Food and Culture	3
SPHE320	Nutrition	3
SPHE314	Exercise Physiology	3

SOCI423	Sociology of Health and Illness	3
PSYC460	Sports Psychology	3
SPHE460	Business Aspects of Fitness and Wellness	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
Total Semester Hours		21

Concentration in Public Health Informatics (21 semester hours)

Focuses on healthcare information management and its historical development, along with theoretical and practical applications of the health care delivery systems. Examines the emerging technology of electronic health records, and offers fundamental knowledge of the concepts of health informatics applications. Presents key skills and techniques that can be applied immediately to the management and governance of healthcare data.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Define and use specialized medical vocabulary and accepted medical abbreviations and symbols needed in health information management.
- Describe characteristics of health care delivery and settings in the United States.
- Evaluate the type and content of the health record and interpret health records standards, policies and procedures.
- Evaluate initial and ongoing training programs for healthcare organizations.
- Utilize technology for data collection, storage, analysis, interpreting, and reporting of healthcare information.
- Identify, evaluate, and analyze health information needs across the healthcare continuum.

Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HIMA100	Medical Terminology	3
HIMA110	Introduction to Health Information Management	3
HIMA250	Healthcare Delivery Systems and Documentation	3
HIMA310	Electronics Health Records Fundamentals	3
HIMA360	Health Informatics Project and Enterprise Management	3
HIMA410	Informatics and Analytics	3
HIMA460	Healthcare Data Management and Governance	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PBHE498	Senior Seminar in Public Health (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (29 semester hours)

Select any courses that have not been used to fulfill major or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Space Studies

The Bachelor of Science in Space Studies is a unique blend of the study of space science, management, operations, economy, and national security. You will be given additional flexibility to focus with a choice of one of three concentrations: aerospace science, astronomy, or space policy.

This online bachelor's degree also examines the significance of planetary and space explorations, space weapons, space weather, and astronomy. Very few space studies academic programs match the breadth and scope of this innovative online program, which prepares you for a wide variety careers in the space field -- including the aerospace industry, planetarium / science center, observatory telescope operator, science educator, space industry management, military space officer.

The curriculum for this online space studies program was originally designed by former NASA astronaut and Dean of Science and Technology Dr. James Reilly, veteran of three shuttle missions and five spacewalks. Many of our faculty are leaders in the field, including scientists and engineers currently working for NASA, the space industry, and national astronomical observatories. You'll also have the opportunity to use the university's recently commissioned a state of the art remote controlled observatory, with a fully online 24-inch aperture telescope.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate an understanding of basic mathematics (algebra / trigonometry) and fundamental classical physics.
- Analyze the possibility of life in the universe while at the same time assessing astronomical objects – including planets, stars, and galaxies.
- Critique the status of technology in modern aeronautics and unmanned / manned spaceflight
- Synthesize the history of space exploration, from early rocketry efforts to the International Space Station and beyond.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		28
Select one of the following concentrations:		15
Concentration in Aerospace Science (p. 450)		
Concentration in Astronomy (p. 451)		
Concentration in Space Policy (p. 452)		
Final Program Requirements		3
Elective Requirements		44
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) [1]		
PHIL202	Philosophy of Science	3
Select 1 course from the following:		3
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours) [1]		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	

IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
History (3 semester hours)		
HIST270	History of Science	3
Mathematics and Applied Reasoning (3 semester hours)		
MATH110	College Algebra	3
Natural Sciences with Lab (4 semester hours)		
SCIN138	Introduction to Physical Geology with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (28 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
CHEM133	General Chemistry I with Lab	4
SCIN133	Introduction to Physics with Lab	4
SCIN134	Introduction to Astronomy with Lab	4
SCIN261	Introduction to Planetary Science with Lab	4
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3
SPST203	History of Space Flight	3
Total Semester Hours		28

You must choose a concentration for this degree program and may select from the Aerospace Science, Astronomy, or Space Policy concentrations.

Concentration in Aerospace Science (15 semester hours)

The aerospace science concentration provides an in-depth study of space transportation systems. You take courses with comprehensive overviews of such topics as rocket propulsion, orbital mechanics, launch / reentry systems, and spacecraft design.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Solve the laws of orbital mechanics, including spacecraft maneuvers such as transfer orbits and rendezvous.
- Analyze liquid and solid rocket propulsion fundamentals including propellants, combustion principles, components, and general turbo-pump, and motor design.
- Assess the technology related to various launch and reentry systems.
- Synthesize the fundamentals of modern space transportation systems, from Apollo to NASA's new Space Launch System.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST305	Introduction to Orbital Mechanics	3
SPST310	Rocket Propulsion	3
SPST330	Launch and Reentry Systems	3
SPST425	Satellite and Spacecraft Systems	3
SPST445	Space Transportation Systems	3
Total Semester Hours		15

Concentration in Astronomy (15 semester hours)

The astronomy concentration is designed to prepare you for employment in the observatory, planetarium, or science center environment. A range of courses are offered that prepare you for graduate work in the space studies field. You'll acquire experience with the university's new 24-inch robotic telescope.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate an in-depth understanding of operation of the modern observatory and planetarium.
- Analyze the celestial objects found within our Solar System and their study by space probe.
- Evaluate the importance of space weather and its potential harmful effects on our technological society.
- Synthesize celestial objects found beyond the Solar System, including stars, exoplanets, and galaxies.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST340	Tools of the Observatory	3
SPST341	Tools of the Planetarium	3
SPST435	Planetary and Space Exploration	3
SPST440	Stars and Galaxies	3
SPST465	Space Weather	3
Total Semester Hours		15

Concentration in Space Policy (15 semester hours)

Space policy is designed to cultivate leaders in the space industry – both in NASA as well as the commercial space operations industry. This concentration is ideal if you have an administrative / business interest. Coursework considers space diplomacy, with extensive emphasis on space operations and organizations.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine the political and commercial significance of major national and international space missions, projects, and operations.
- Evaluate organizations that are critical to the success of the technological advance of space infrastructure in the United States.
- Synthesize the status of space cooperation and diplomacy between various space faring nations.
- Synthesize space laws and how the governing institutions affect applications such as remote sensing, communications, navigation, launch services, satellite exports, and arms control.

Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST304	National Space Organization	3
SPST306	Human Space Flight	3
SPST307	Space Policy	3
SPST415	Space Station Systems and Operations	3
SPST485	Space Wargaming	3
Total Semester Hours		15

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SPST499	Senior Seminar in Space Studies (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of major courses prior to enrollment.

Elective Requirements (44 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Sports and Health Sciences

Our Bachelor of Science in Sports and Health Sciences is a scientific study of human movement and human behavior relative to exercise, fitness, nutrition, health, and wellness. This degree is designed to prepare you to meet challenges in these dynamic and emerging fields of study. You will engage in core issues and concepts in areas such as anatomy and physiology, nutrition, kinesiology, and exercise programming and testing. The degree prepares students for entry-level positions in the fitness industry, corporate wellness programs, and strength and conditioning of athletes.

This B.S. degree in Sports and Health Sciences is affiliated with the guidelines of the American Sport Education Program (ASEP (http://www.asep.com)).

Note: Material for lab courses will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply fundamental concepts of human anatomy, physiology, nutrition, health, and kinesiology to applications in sports and fitness.
- Perform motivational strategies and tactics designed to guide practice and performance in physical activity.
- Design a healthful diet for varying populations based off sound nutritional principles and concepts generated from the Dietary Guidelines for Americans.
- Critically analyze steroids usage on athletic performance including associated muscle reaction and medical risks.
- Illustrate appropriate procedures for treating upper and lower body sport injuries.
- Construct exercise programs applicable in fitness, rehabilitation, and athletic training settings.
- Evaluate suitability of common exercises based on muscle action for exercise program design.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		37
Select one of the following concentrations:		18
General Concentration (p. 456)		
Coaching Studies (p. 457)		
Exercise Science (p. 457)		
Fitness and Wellness Professional Studies (p. 458)		
Final Program Requirements		3
Elective Requirements		32
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following: [1]		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	
ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
Select 2 courses from the following: [1]		6
ANTH100	Introduction to Anthropology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR204	Contemporary World Culture Through Literature	
LITR205	Cultural Diversity in Contemporary American Literature	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
Mathematics (3 semester hours)		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
Natural Sciences with Lab (4 semester hours)		
BIOL133	General Biology I with Lab	4
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (37 semester hours)

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
PHYS133	Elements of Physics I with Lab	4
BIOL250	Human Anatomy and Physiology with Lab I	4
BIOL251	Human Anatomy and Physiology with Lab II	4
SPHE295	Foundations of Nutrition	3
SPHE421	Kinesiology	3
SPHE314	Exercise Physiology	3
PSYC460	Sports Psychology	3
SPHE405	Sports First Aid	3
SPHE320	Nutrition	3
SPHE420	Exercise Programming and Testing	3
Total Semester Hours		37

Students must choose a concentration for this degree program and may select from a General Concentration, Coaching Studies, Exercise Science, or Fitness and Wellness Professional Studies Concentrations.

General Concentration Requirements (18 semester hours)

This general concentration allows you to select from all concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 6 courses from the following:		18
LSTD209	Sports Law, Risk, and Regulation	
MATH302	Statistics	
PBHE209	Wellness: Health Promotion and Disease Prevention	
PBHE315	Health Economics and Finance	
PBHE427	Epidemiology	
SPHE315	Training and Conditioning	
SPHE316	Sports and Recreation Facility Management	
SPHE317	Sports Medicine	
SPHE318	Coaching Theory and Methodology	
SPHE323	Sports Conditioning	
SPHE324	Biomechanics	
SPHE350	Coaching Baseball Technical and Tactical Skills	
SPHE351	Coaching Basketball Technical and Tactical Skills	
SPHE352	Coaching Football Technical and Tactical Skills	
SPHE416	Athletic Programs Administration	
SPHE417	Leadership Concepts in Coaching	
SPHE425	Therapeutic Exercise	
SPHE460	Business Aspects of Fitness and Wellness	

SPHE461	Current Issues and Trends in Fitness and Wellness	
Total Semester Hours		18

Concentration in Coaching Studies (18 semester hours)

Explores strategies of effective communication with athletes, coaches, officials, administrators, and parents. The curriculum evaluates technical and tactical sport skills, as well as leadership strategies and their application to coaching principles. A focus on coaching leadership can also be applied to other business endeavors and personal life.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify strategies to effectively communicate athletes, fellow coaches, officials, school administrators, and parents.
- Examine methods for teaching and evaluating technical and tactical sport skills.
- Analyze and evaluate leadership strategies and apply them to coaching principles.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
LSTD209	Sports Law, Risk, and Regulation	3
SPHE318	Coaching Theory and Methodology	3
SPHE323	Sports Conditioning	3
SPHE416	Athletic Programs Administration	3
SPHE417	Leadership Concepts in Coaching	3
Select 1 course from the following:		3
SPHE350	Coaching Baseball Technical and Tactical Skills	
SPHE351	Coaching Basketball Technical and Tactical Skills	
SPHE352	Coaching Football Technical and Tactical Skills	
Total Semester Hours		18

Concentration in Exercise Science (18 semester hours)

Offers scientific knowledge used to train athletes and clients in fitness and athletic performance, including exercise prescription principles for training variation, injury prevention, and reconditioning. Examines sports nutrition and supplementation, lower and upper extremities function during exercise, and mental training strategies aimed at improving athletic performance.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply scientific knowledge to train athletes and clients for the primary goals of improving athletic performance and fitness.
- Apply exercise prescription principles for training variation, injury prevention, and reconditioning.
- Analyze sport movements and design movement-oriented exercise prescriptions.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
MATH302	Statistics	3
SPHE315	Training and Conditioning	3
SPHE317	Sports Medicine	3
SPHE323	Sports Conditioning	3
SPHE324	Biomechanics	3
SPHE425	Therapeutic Exercise	3
Total Semester Hours		18

Concentration in Fitness and Wellness Professional Studies (18 semester hours)

Examines health care financing and economic principles, as well as environmental, sociocultural, and other factors that influence fitness and wellness practices. Topics include the physical, intellectual, and social components of wellness, as well as sports facility and event management and other business aspects, including risk management, marketing, leadership, and personnel.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the structure of healthcare financing and economic principles.
- Evaluate environmental, sociocultural, and economic factors that influence fitness and wellness professional practices throughout society.
- Integrate healthy lifestyle and behavior practices for improving overall well-being.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
PBHE209	Wellness: Health Promotion and Disease Prevention	3
PBHE315	Health Economics and Finance	3
PBHE427	Epidemiology	3
SPHE316	Sports and Recreation Facility Management	3
SPHE460	Business Aspects of Fitness and Wellness	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
Total Semester Hours		18

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SPHE490	Senior Seminar in Sports and Health Science (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (32 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Sports Management

The B.S. in Sports Management is designed for those who are interested in sports management, coaching, and administration in collegiate, community, or high school sports. This online bachelor's degree arms you with an improved understanding of sports administration, coaching theory and strategy, and business skills such as marketing, promotion, public relations, finance, and sports law. This degree program is an ideal choice for you as you pursue a career as an interscholastic or intercollegiate coach, sports manager, or front-office manager.

Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the impact of legal principles and considerations in sport management on the decision-making process for sport managers.
- Apply management principles, concepts, and practices associated with the operations and maintenance of sports and recreation facilities.
- Appraise sociological, historical, political, and philosophical aspects of sport.
- Examine ethical practices, procedures, and decision-making models used in sports management professions.
- Apply financial management principles and concepts to managing a sports organization and facility.
- Analyze the dimensions of specific sport marketing plans and strategies.

Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		36
Final Program Requirements		3
Elective Requirements		51
Total Semester Hours		120

Degree Program Requirements

General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
Select 2 courses from the following: [1]		6
ARTH200	Art Appreciation	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop	
LITR201	World Literature through the Renaissance	
LITR202	World Literature since the Renaissance	
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
LITR220	American Literature before The Civil War	
LITR221	American Literature from The Civil War to Present	
ARAB100	Arabic I	

ARAB101	Arabic II	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
MUSI200	Music Appreciation	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
Civics, Political and Social Sciences (6 semester hours)		
ECON101	Microeconomics	3
ECON102	Macroeconomics	3
Communication: Writing, Oral, and Multimedia (8 semester hours)		
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL102	Effectiveness in Writing	
ENGL200	Composition and Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL225	Business Writing	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
History (3 semester hours)		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	

Mathematics (3 semester hours)		
ACCT105	Accounting for Non Accounting Majors	3
Science (4 semester hours)		
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN131	Introduction to Chemistry with Lab	
SCIN132	Introduction to Human Anatomy & Physiology with Lab	
SCIN133	Introduction to Physics with Lab	
SCIN134	Introduction to Astronomy with Lab	
SCIN137	Introduction to Meteorology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		30

[1] All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Major Required (36 semester hours)

Code	Title	Semester Hours
LSTD209	Sports Law, Risk, and Regulation	3
SPHE316	Sports and Recreation Facility Management	3
SPHE326	Ethics in Sports	3
SPHE379	Contemporary and Social Issues in Sport	3
SPHE400	Sports Management Foundations	3
SPHE412	Sports Finance	3
SPHE413	Sports Marketing	3
SPHE416	Athletic Programs Administration	3
SPHE430	Sports Communication	3
SPHE440	Sports Event Management and Planning	3
SPHE450	Sports Governance	3
SPHE455	Ticket Sales Management	3
Total Semester Hours		36

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SPHE491	Senior Seminar in Sports Management (to be taken as the last course before graduation) [1]	3
Total Semester Hours		3

[1] Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (51 semester hours)

Select any courses that have not been used to fulfill major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Learning Track Programs

Learning Track programs provide a 3-course focus on a particular topic or set of issues. In some cases, credits from a learning track program can be applied to a certificate, associate or bachelor's degree. However, you are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example, if you previously completed the criminal justice learning track, you might be able to apply those credits toward an Associate in Criminal Justice, but you may not be enrolled in both the learning track and the associate degree at the same time.

Note: Learning track programs are not eligible for military tuition assistance, the GI Bill, or federal student aid.

- *Airport Transportation Security* (p. 464)
- *Business Basics* (p. 465)
- *College Readiness* (p. 466)
- *Criminal Justice* (p. 467)
- *Economics* (p. 468)
- *Information Security* (p. 469)
- *Information Technology (IT) Project Management* (p. 470)
- *Managerial Analytics* (p. 471)
- *Microsoft Access Database* (p. 472)
- *Professional Development for Executives/Directors* (p. 473)
- *Professional Development for Managers* (p. 474)
- *Professional Development for Senior Managers* (p. 475)
- *Visual Design* (p. 476)
- *Web Development* (p. 477)

Learning Track in Airport Transportation Security

Only transportation security officers with the U.S. Transportation Security Administration (TSA) may enroll in this program. This 3-course learning track will provide an introduction to homeland security in the first course. A basic understanding of intelligence analysis and security management is provided in the second course. The third course introduces transportation and border security issues and operations. This learning track program is intended for TSA employees who seek to heighten their knowledge of transportation security without committing to a degree or certificate program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
HLSS150	Introduction to Homeland Security	3
INTL150	Intelligence Analysis and Security Management	3
SCMT150	Transportation and Border Security	3
Total Semester Hours		9

Learning Track in Business Basics

The undergraduate learning track in Business Basics is a 3-course program that serves as a general introduction to the business world. This track will provide a basic understanding of key business concepts and introduce interrelated topics that influence business decisions and drive business operations. This learning track program is intended for undergraduate students who seek to heighten their basic business knowledge without committing to an academic degree or certificate program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
ECON101	Microeconomics	3
Total Semester Hours		9

Learning Track in College Readiness

The undergraduate learning track in College Readiness prepares first-time college students and those returning to college after a long break of several years for the educational demands of an online, higher education learning environment. This learning track program is intended for undergraduate students who want to evaluate, develop, and enhance their writing and mathematics skills necessary to support the successful completion of subsequent college courses.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
ENGL101	Proficiency in Writing	3
ENGL102	Effectiveness in Writing	3
Select 1 course from the following:		3
MATH101	Introduction to College Algebra	
MATH110	College Algebra	
MATH125	Math for Liberal Arts Majors	
Total Semester Hours		9

Learning Track in Criminal Justice

The undergraduate learning track in Criminal Justice introduces you to criminal justice and law enforcement theory and concepts. This program looks at the laws and court decisions relating to the admissibility of evidence, and covers issues related to the collection and preservation of evidence, as well as basic crime scene investigations. This 3-course learning track offers foundational knowledge for exploring careers in law enforcement professions. This learning track program is intended for undergraduate students who seek to heighten their knowledge of criminal justice without committing to a degree or certificate program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
CMRJ100	Introduction to Law Enforcement	3
CMRJ101	Evidence and Procedures	3
CMRJ201	Criminal Justice Administration	3
Total Semester Hours		9

Learning Track in Economics

The undergraduate learning track in Economics is a 3-course program that offers you the opportunity to better understand the partnership between business and economics, as well as the effect of economics on the business world. This learning track program is intended for undergraduate students who seek to heighten their knowledge of economics without committing to an academic degree or certificate program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
ECON101	Microeconomics	3
ECON102	Macroeconomics	3
Total Semester Hours		9

Learning Track in Information Security

The undergraduate learning track in Information Security explores the protection of information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. This 3-course online program seeks to expand your academic and professional development by providing a basic foundation in the theory and concepts related to information security, as well as the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This online program is intended for undergraduate students who want to expand their knowledge of information security without committing to a degree program.

Courseware in this program meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories.

Note: All students are required to have credit in a network technology course, such as ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks, prior to enrolling in this program. Additionally, the National Security Agency (NSA) Information Assurance Courseware Evaluation (IACE) has certified some courses for this program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC362	IT Security: Attack & Defense	3
ISSC422	Information Security	3
Total Semester Hours		9

Learning Track in Information Technology (IT) Project Management

The undergraduate learning track in Information Technology Project Management provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's project management environment. This 3-course concentrated program offers IT project management theory and concepts, and explores the planning and processes involved in scheduling and controlling aspects of a project during its life cycle.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
INFO331	Management Information Systems	3
ITMG321	Information Technology Project Management	3
ITMG322	Project Management Using MS Project	3
Total Semester Hours		9

Learning Track in Managerial Analytics

The undergraduate learning track in Managerial Analytics is a concentrated program designed for managers who desire to make more objective-based decisions in today's competitive business environment. This program provides concepts in operational, theoretical, and applicable use of data analysis and implementation. This learning track is intended for undergraduate students who seek to heighten their knowledge of managerial analytics without committing to an academic degree or certificate program.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
Total Semester Hours		9

Learning Track in Microsoft Access Database

The undergraduate learning track in Microsoft Access Database brings you both the theoretical knowledge as well as the hands-on skills needed for the development of real-world databases. This 3-course learning track will introduce you to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). In addition, one course in this program meets the topical requirements for the Microsoft Office Specialist (MOS) certification.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
INFO161	Relational Databases with MS Access: Introduction	3
INFO221	Relational Database Concepts	3
INFO261	Relational Databases with MS Access: Advanced	3
Total Semester Hours		9

Learning Track in Professional Development for Executives/ Directors

The undergraduate learning track in Professional Development for Executives and Directors is a 3-course program of study intended for very senior executives who supervise senior managers, store managers, or equivalent positions managing up to $100 billion dollars in sales per year.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
BUSN311	Law and Ethics in the Business Environment	
BUSN313	Global and Competitive Strategy	
BUSN410	Critical Thinking Strategies for Business Decisions	
EVSP312	Introduction to Sustainability	
HRMT101	Human Relations Communication	
MGMT311	Organizational Behavior	
MGMT312	Leadership & Motivation	
MGMT313	Organizational Change	
MGMT314	Management Ethics	
MKTG304	Public Relations	
MKTG307	Consumer Behavior	
MKTG401	Marketing Strategy	
RLMT306	Green Logistics Programs and Issues	
RTMG300	Retail Strategy	
RTMG301	Retail Innovation	
Total Semester Hours		9

Learning Track in Professional Development for Managers

The undergraduate learning track in Professional Development for Managers is a 3-course program of study intended for single-store managers or equivalent positions managing up to $500 million in sales per year.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
BUSN333	Project Management for Business Analysts	
BUSN410	Critical Thinking Strategies for Business Decisions	
COMM285	Interpersonal Communications	
HRMT101	Human Relations Communication	
HRMT200	Human Resource Fundamentals	
HRMT201	Employee Training and Development	
MGMT310	Principles and Theory of Management	
MGMT314	Management Ethics	
MGMT315	Management Communications	
MKTG307	Consumer Behavior	
RTMG200	Customer Relations	
RTMG202	Risk Management	
RTMG300	Retail Strategy	
RTMG301	Retail Innovation	
RTMG302	Retail Operations	
Total Semester Hours		9

Learning Track in Professional Development for Senior Managers

The undergraduate learning track in Professional Development for Senior Managers is a 3-course program of study intended for senior multi-store managers who supervise store managers or equivalent positions managing up to $10 billion in sales per year.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
BUSN410	Critical Thinking Strategies for Business Decisions	
ENGL225	Business Writing	
EVSP312	Introduction to Sustainability	
HRMT101	Human Relations Communication	
HRMT419	Recruitment and Staffing	
MGMT313	Organizational Change	
MGMT314	Management Ethics	
MGMT315	Management Communications	
MKTG304	Public Relations	
MKTG307	Consumer Behavior	
MKTG401	Marketing Strategy	
RLMT306	Green Logistics Programs and Issues	
RTMG202	Risk Management	
RTMG300	Retail Strategy	
RTMG301	Retail Innovation	
RTMG302	Retail Operations	
RTMG303	Retail Merchandising Operations	
Total Semester Hours		9

Learning Track in Visual Design

The undergraduate learning track in Visual Design offers a basic introduction to computer graphics theory and concepts. You will learn the principles and practices of image manipulation, enhancement, and storage with Adobe Illustrator and Photoshop as you explore effective visual design practices. Students enrolling in this program must have access to Adobe Photoshop and Illustrator or the Adobe Creative Cloud. These applications are not provided by the university.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
DSIN141	Image Enhancement using Adobe Photoshop	3
DSIN143	Design Using Adobe InDesign	3
DSIN241	Illustration & Design Using Adobe Illustrator	3
Total Semester Hours		9

Learning Track in Web Development

The undergraduate learning track in Web Development teaches you the basic theory and concepts for building and deploying websites that properly support business needs. You will also receive hands-on instruction in coding, application development for smartphones and tablets, and image enhancement. This program covers the Site Development Associate curriculum of the CIW Web Foundations Associate certification. After completing this learning track, you may consider pursuing your CIW JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

Learning Track Requirements (9 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript	3
Total Semester Hours		9

Undergraduate Minors

Because it is important for students to develop an understanding of multiple academic disciplines, you may pursue a minor in addition to your major. For example, a military history major might select an intelligence studies minor. The combination of the major and the unrelated minor will enable you to expand your thinking beyond the single discipline, and allow you to present a broader academic portfolio to potential employers or graduate schools.

You may not minor in a discipline directly related to your major discipline. You may be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning your electives within your degree program, and you may apply transfer credit towards courses that count towards the minor.

- *Area Studies-African Studies* (p. 480)
- *American Military History* (p. 479)
- *Area Studies-Asian Studies* (p. 481)
- *Business Administration* (p. 489)
- *Child Development* (p. 490)
- *English* (p. 491)
- *Area Studies-European Studies*
- *Family Development* (p. 492)
- *History* (p. 493)
- *Intelligence Studies* (p. 495)
- *International Relations* (p. 496)
- *Area Studies-Latin American Studies*
- *Management* (p. 498)
- *Marketing* (p. 499)
- *Area Studies-Middle Eastern Studies*
- *Military History* (p. 500)
- *Philosophy* (p. 501)
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- *Religion* (p. 503)
- *Security Management* (p. 504)
- *Sociology* (p. 505)
- *Sustainability Studies* (p. 506)

Undergraduate Minor - American Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the major American wars and conflicts and their causes and results from colonial times to the present.
- Describe the major battles and campaigns of these wars and conflicts and the strategies and tactics employed.
- Express in clear terms the evolving nature of U.S. military policy and the effect of political influences.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MILH202	Survey of American Military History	3
Select 5 courses from the following:		15
HIST406	Civil War And Reconstruction, 1861-1877	
MILH320	The American Revolution	
MILH355	World War I	
MILH360	World War II	
MILH370	The Korean War	
MILH371	The Vietnam War	
Total Semester Hours		18

Undergraduate Minor - Area Studies: African Studies

This program has been suspended.

Undergraduate Minor - Area Studies: Asian Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
IRLS300	Comparative Political Systems	3
IRLS310	Introduction to Human Security	3
IRLS331	Asian Politics	3
IRLS392	Globalization and the Market Economy	3

IRLS412	Comparative Foreign Policy	3
Total Semester Hours		18

Undergraduate Minor - Area Studies: European Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST310	History of Modern Europe	3
IRLS343	Government and Security of Russia	3
IRLS344	European Politics	3
IRLS416	The North Atlantic Treaty Organization (NATO)	3
Select 2 courses from the following:		6

IRLS392	Globalization and the Market Economy	
IRLS412	Comparative Foreign Policy	
PHIL302	Ancient Western Philosophy	
Total Semester Hours		18

Undergraduate Minor - Area Studies: Latin American Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. An Area Studies minor allows the student to concentrate on the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This will also allow the student to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST360	History of Latin America	3
IRLS300	Comparative Political Systems	3
IRLS310	Introduction to Human Security	3
IRLS355	Latin American Politics	3
IRLS392	Globalization and the Market Economy	3

Select 1 course from the following:		3
IRLS213	Political Geography	
IRLS412	Comparative Foreign Policy	
SPAN100	Spanish I	
SPAN101	Spanish II	
Total Semester Hours		18

Undergraduate Minor - Area Studies: Middle Eastern Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This Area Studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
IRLS260	Middle Eastern Culture	3
IRLS360	Global Politics of Islam	3
IRLS460	Government & Security in the Middle East	3

RELS353	Islam	3
Select 2 courses from the following:		6
HIST350	History of the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
RELS330	Religions of the Middle East	
Total Semester Hours		18

Undergraduate Minor - Business Administration

Not open to students pursuing a major in Business Administration.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Use various data tools to collect information and develop business problem-solving competencies.
- Analyze business environments and formulate suitable strategies in the context of competitive forces and environmental factors.
- Apply theoretical techniques to analyze government, business, and consumer markets.
- Integrate market analyses and marketing information into a strategic plan.
- Describe how Management Information Systems contribute to business processes to meet current and future technological needs within the organization.
- Apply basic financial management operations to enhance business decision-making processes.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
BUSN310	Business Theory	3
BUSN313	Global and Competitive Strategy	3
FINC400	Principles of Financial Management	3
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MKTG201	Fundamentals of Marketing	3
Total Semester Hours		18

Undergraduate Minor - Child Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Assess developmental changes and processes influencing child development.
- Identify scientific approaches and the application of research and theory to working with children.
- Examine socio-cultural and historic constructs related to child development.
- Interact with culturally diverse youth in family and societal settings.
- Demonstrate critical thinking and observation skills related to the study of child development.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
EDUC111	Observation Techniques	3
CHFD307	Child and Adolescent Development	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
CHFD411	Child Psychopathology	
PSYC101	Introduction to Psychology	3
Total Semester Hours		15

Undergraduate Minor - English

Not open to students pursuing a major in English.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Analyze written materials and understand why multiple interpretations of written materials are possible and relevant in a diverse society.
- Demonstrate knowledge of the evolution of the English language and how it is used in communication, literary and non-literary.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
ENGL401	History of the English Language	3
LITR320	American Fiction	3
LITR330	Literary Theory	3
LITR402	Shakespeare: An Author for the Ages	3
Select 1 course from the following:		3
LITR210	English Literature: Beowulf to18th Century	
LITR211	English Literature: 18th Century to Present	
Select 1 course from the following:		3
LITR316	British Poetry	
LITR322	American Poetry I	
Total Semester Hours		18

Undergraduate Minor - Family Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Examine theories concerning general psychology.
- Explore classic and contemporary theoretical explanations of family dynamics.
- Recognize how social forces influence family definitions, composition, and change.
- Examine trends in family formation and dissolution within the context of social change.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD225	Introduction to the American Family	3
CHFD340	Family Development	3
CHFD445	Family Communications	3
PSYC101	Introduction to Psychology	3
PSYC343	Adult Development	3
SOCI421	Sociology of the Family	3
Total Semester Hours		18

Undergraduate Minor - History

Not open to students pursuing a major in Military History or History.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Identify a broad knowledge of literature pertaining to history.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST300	Research Methods in History (Required)	3
Ancient and Classical History (6 semester hours)		
Select 2 courses from the following:		6
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST303	The Middle Ages	
HIST304	The Renaissance	
HIST305	France in the Age of Enlightenment	
HIST306	The British Empire	
HIST307	The Age of Dictators: Europe 1914-1945	
American History (6 semester hours)		
Select 2 courses from the following:		6
HIST402	Colonial America	
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST405	Antebellum America, 1846-1861	
HIST406	Civil War And Reconstruction, 1861-1877	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
Global Cultures and History (3 semester hours)		
Select 1 course from the following:		3
HIST310	History of Modern Europe	
HIST320	History of Russia	
HIST340	History of Africa	
HIST350	History of the Middle East	
HIST360	History of Latin America	

HIST370	Asia and the Modern World	
Total Semester Hours		18

Undergraduate Minor - Intelligence Studies

Not open to students pursuing a major in Intelligence Studies.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement, and technical and open intelligence data sources.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
INTL200	Introduction to Intelligence Studies	
SSGS300	Research Design and Methods	
INTL301	U.S. Intelligence Community	
INTL304	Intelligence Collection	
INTL401	Critical Analysis	
Select 2 courses from the following:		6
HLSS320	Intelligence and Homeland Security	
INTL305	Law and Ethics in Intelligence	
INTL402	Intelligence Analysis	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL431	Criminal Intelligence Analysis	
Total Semester Hours		18

Undergraduate Minor - International Relations

Not open to students pursuing a major in International Relations.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Critically assess the unique principles, structure, and organization of the major international organizations.
- Assess the economic and political processes in international development; diagnose social issues in international development; appraise the need for sustainable international development.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
IRLS200	Information Literacy and Global Citizenship	3
IRLS300	Comparative Political Systems	3
IRLS301	International Organizations	3
IRLS302	International Development	3
Select 2 courses from the following:		6
IRLS310	Introduction to Human Security	
IRLS322	African Politics	
IRLS331	Asian Politics	
IRLS343	Government and Security of Russia	
IRLS344	European Politics	
IRLS355	Latin American Politics	
IRLS360	Global Politics of Islam	
IRLS392	Globalization and the Market Economy	
IRLS400	Human Rights	
IRLS405	National and Transnational Justice	
IRLS409	Environmental Security	
IRLS412	Comparative Foreign Policy	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
IRLS416	The North Atlantic Treaty Organization (NATO)	
IRLS417	International Civil Order	
IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	

IRLS468	Politics and Security in the Persian Gulf	
Total Semester Hours		18

Undergraduate Minor - Management

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Relate and discuss the potential functions and applications of management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Identify and examine the needs of today's managers in assessing and implementing strategies used in the management of information technology in the workplace.
- Recognize and describe issues as they relate to organizational behavior in terms of individual, group/team, and overall organization.
- Examine and explore potential management problems and opportunities and discuss possible strategies and applications to be used in addressing such managerial concerns.
- Recognize and discuss ethical conduct and the social responsibility of business in the lives of internal and external stakeholders.
- Analyze the external and internal environmental forces affecting business organizations that affect the effectiveness of managers in today's competitive and global organizations.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MGMT410	Strategic Management	3
Total Semester Hours		18

Undergraduate Minor - Marketing

Not open to students pursuing a major in Marketing.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management.
- Apply basic marketing principles to a particular business.
- Develop a strategic marketing plan.
- Apply various marketing strategies and techniques to align an organization's marketing function with the overall mission and strategy of the organization.
- Develop a marketing plan for a business or a department.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MKTG201	Fundamentals of Marketing	3
MKTG301	Principles of Sales	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
Select 2 courses from the following:		6
MKTG304	Public Relations	
MKTG305	Advertising	
MKTG307	Consumer Behavior	
MKTG403	Marketing Management	
Total Semester Hours		18

Undergraduate Minor - Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the major world wars and conflicts and their causes and results from antiquity to the present.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze the historical experiences that go beyond a single time period and national or cultural experience.
- Express in clear terms the evolving nature of security issues and their effects on global stability.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3
MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		18

Undergraduate Minor - Philosophy

Not open to students pursuing a major in Philosophy.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Reflect upon the love of wisdom, what inclines people to seek it, and to analyze what it is the philosopher does in the pursuit of truth.
- Analyze a variety of traditional and non-traditional ethical theories.
- Gain basic competence in the following forms of reasoning: informal logic, syllogistic logic, propositional logic, predicate logic, and inductive logic.
- Define key trends in the development of western thought.
- Interpret how Western philosophers and their ideas have shaped the development of political, social and economic systems.
- Relate current Western views of the world to their underpinnings in early writings and philosophies.
- Differentiate between the influences of ancient Judaism, Greece, Rome, and Christian thinking on Western thought.
- Analyze the differing philosophies in terms of how they conflict or complement one another.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
PHIL101	Introduction to Philosophy	3
PHIL300	Logic	3
PHIL302	Ancient Western Philosophy	3
PHIL303	Medieval Philosophy	3
PHIL415	Enlightenment Philosophy	3
PHIL416	Modern & Post-Modern Philosophy	3
Total Semester Hours		18

Undergraduate Minor - Psychology

Not open to students pursuing a major in Psychology.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the history and foundation of psychology.
- Identify major theorists of developmental psychology.
- Differentiate between biological psychological conditions and personality disorders.
- Evaluate how to design, execute, analyze, and interpret psychological research.
- Explore the application of evaluation principles to developmental theories in a scientific format.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD342	Human Life Span Development	3
PSYC101	Introduction to Psychology	3
PSYC300	Research Methods in Psychology	3
PSYC303	Learning and Cognition	3
PSYC305	History and Systems of Psychology	3
PSYC406	Psychopathology	3
Total Semester Hours		18

Undergraduate Minor - Religion

Not open to students pursuing a major in Religion.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Describe and evaluate the scholarly methods used in the study of religion.
- Identify the basic concepts that make up a religious world view (e.g., creation of the world, good and evil, salvation, and suffering).
- Identify and give examples of the universal forms of religious expression (e.g., sacred places, symbols, ethics, and rituals).
- Analyze the historical development and interaction among the major world religions.
- Identify and evaluate the key beliefs and characteristics of each of the current major world religions.
- Determine and appraise the various expressions of religious life (e.g., social and political) that are evident in different societies over time.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
PHIL410	God and World	3
RELS101	Introduction to the Study of Religion	3
RELS201	Introduction to World Religions	3
RELS202	Religion in America	3
RELS311	Introduction to the Bible	3
SOCI420	Sociology of Religion	3
Total Semester Hours		18

Undergraduate Minor - Security Management

Not open to students pursuing a major in Security Management.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Evaluate security management principles including the concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Detect how a corporate security manager can effectively communicate strategic security issues and actions to other business departments and managers including drawing conclusions about assessing tangible and intangible assets.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		18

Undergraduate Minor - Sociology

Not open to students pursuing a major in Sociology.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Examine methods for conducting research in social psychology.
- Discuss applied social psychology topics such as law, business, and health.
- Identify and discuss the major social issues that influenced the development of sociological theory.

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
SOCI213	Society, Interaction, and the Individual	3
SOCI303	Classical Sociological Theory	3
SOCI331	Research Methods for Sociology	3
SOCI403	Social Change	3
Total Semester Hours		18

Undergraduate Minor - Sustainability Studies

This minor in Sustainability Studies offers background in resource and energy sustainability, which can be incorporated into many major disciplines, highlighting the interdisciplinary nature of the application of concepts in sustainability and green technologies. You will learn about founding principles in sustainability and integrate your knowledge of social and economic concepts with resource use and energy consumption. In addition, courses in the minor offer case study examples of application of sustainability practices from local planning to global resources scales.

Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Explain the foundational principles of resource and energy sustainability
- List current and emerging renewable energy technologies
- Explain society's dependence on fossil fuel and traditional energy sources
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services
- Apply the principles of sustainability to land use and development planning
- Assess the impact of green infrastructure and sustainable design on global resource sustainability

Minor Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP418	Green Infrastructure and Renewable Technologies	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

Undergraduate Certificates

Certificate programs are available to students who seek a shorter program focused on career development or knowledge of a specific discipline. Students are required to take a minimum of 18 semester hours, although some certificates may require up to 24 semester hours. In some cases, credits from a certificate program can be applied to an associate or bachelor's degree. For example, a student who had previously completed a Fire Science Certificate might be able to apply those credits toward a Bachelor of Fire Science degree. Students may also choose to add a certificate to their associate or bachelor's degree; however, it may increase the total program requirements and/or reduce transfer credit that can be applied. We recommend discussing this with an academic advisor by emailing counseling@apus.edu before adding a certificate to your program.

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Undergraduate Certificate - Child Life

The undergraduate certificate in Child Life is ideal if you already have your bachelor's degree and wish to complete the coursework that supports the academic requirements to sit for the Certified Child Life Specialist (CCLS) examination. This 7-course online certificate teaches you a range of therapeutic activities designed to assist children and families facing stressful healthcare or traumatic events requiring coping support (counseling, grief support, advocacy, etc.). Completion of this certificate will help you stand out in the growing and competitive child life field where the CCLS is being increasingly recognized as a necessary component to pediatric care.

Note: Additional coursework may be needed depending on your bachelor's degree to fully meet the academic requirements to sit for the CCLS. In addition, all candidates for the CCLS examination must complete the required fieldwork/internship, which is not offered by the university. Additional information on these requirements can be found at www.childlife.org (http://www.childlife.org).

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Provide an overview of the field of child life theory and practice.
- Understand the issues faced by children and their families during times of acute or chronic illness.
- Provide evidence of professional level academic training in the field of child life.

Certificate Requirements (21 semester hours)

Code	Title	Semester Hours
CHFD307	Child and Adolescent Development	3
HDFS401	Child Life Theory and Practice	3
HDFS402	Benefits of Therapeutic Play	3
HDFS403	Death, Dying, and Grief	3
Select 1 course from the following:		3
CHFD360	Family Resource Management	
CHFD445	Family Communications	
Select 1 course from the following:		3
SOCI331	Research Methods for Sociology	
PSYC300	Research Methods in Psychology	
Select 1 course from the following:		3
HIMA100	Medical Terminology	
PBHE215	Healthcare: Moral Issues	
Total Semester Hours		21

Undergraduate Certificate - Cloud Computing

The undergraduate certificate in Cloud Computing provides you with basic knowledge of virtualization and network installation and security in a cloud environment. You will focus on data security, governance, compliance, and legacy application migration issues, while learning to implement cloud computing solutions in an enterprise. This online certificate is intended for students who want to expand their knowledge of cloud computing without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate a thorough comprehension of the key principles of cloud computing and the security and privacy involved with this emerging technology.
- Examine Service-Oriented Architecture (SOA) and convert logical designs into services that can be implemented in today's Cloud environments.
- Assess, evaluate, and apply the necessary tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing Cloud Computing
- Employ the appropriate resources to model service specifications and service contracts to perform service orchestration.
- Demonstrate effective decision making and management techniques to support the organization's objective of growth while putting best practices into place.
- Apply best practices for the next generation IT professional through continuous awareness for the environmental impact when developing and implementing IT systems and reap the business benefits of adopting a Green IT strategy.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC326	Cloud Computing	3
ISSC345	Service Oriented Architecture	3
ISSC386	Green Computing: Foundations and Strategies	3
ISSC387	Green Computing: Advanced Topics	3
ISSC424	Virtualization Security	3
ISSC426	Cloud Security and Privacy	3
Total Semester Hours		18

Undergraduate Certificate - Computer Systems and Networks

The undergraduate certificate in Computer Systems and Networks provides the education and skills necessary to configure, install, manage, and administer basic network infrastructures. In this online program, you will learn to build, repair, and troubleshoot networks, PCs, and peripherals. Employers require this knowledge if you seek entry-level positions as a helpdesk support analyst, network administrator, PC specialist, or systems analyst. Some courses in this program aligned with the requirements of A+ and Network+ certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Evaluate CPU architectures.
- Evaluate the organization of the motherboard and the processes for monitoring and managing Windows client operating systems.
- Appraise memory subsystems and bus architectures in computer systems.
- Analyze the formatting, protocols, and latency of storage subsystems.
- Examine the component architecture of notebook computers.
- Appraise the directory, file, registry, and event management systems and the methods to mitigate risk by minimizing the exposure of information and by improving access control.
- Investigate the processes for analyzing problems, synthesizing solutions, tracking progress, and managing customer relationships related to computer hardware systems.
- Investigate the process to configure Local Area Networks (LAN) and to optimize the utilization of memory, storage, and CPU resources.
- Assess the methodology to harden and secure operating systems and computer information.
- Analyze the layers of the Open Systems Interconnect (OSI) reference model, wireless and mobile networks, and multimedia networking, security in computer networks, and network management.
- Appraise the impact of computer systems and networks on global commerce and analyze the related societal, legal, and economic issues.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC321	Computer Systems Organization: Intermediate	3
ISSC322	Computer Systems Organization: Advanced	3
ISSC323	Computer Hardware Systems	3
ISSC341	Introduction to Networking	3
ISSC343	Wireless Networks	3
ISSC421	Computer and Network Security	3
Total Semester Hours		18

Undergraduate Certificate - Corrections Management

This program has been suspended.

Undergraduate Certificate - Counterintelligence

The undergraduate certificate in Counterintelligence focuses on the fundamentals of how intelligence agencies in the U.S. use counterintelligence and covert action to protect U.S. national security and global interests from adversaries. You will study how counterintelligence is collected, and how modernization and technology affect the use of counterintelligence. Employers such as the military, federal government intelligence agencies, and security industries need skilled professionals who understand the ever-changing field of counterintelligence. This online certificate is ideal for undergraduate students who want to expand their knowledge of counterintelligence without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Acquire in-depth knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.
- Assess the different operational styles used throughout both the Counterintelligence and Intelligence analysis communities.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INTL408	Counterintelligence Operations	3
INTL409	Counterintelligence Analysis	3
INTL410	Counterintelligence	3
Select 3 courses from the following:		9
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL422	Open Source Collection	
INTL423	Human Intelligence	
INTL424	Interrogation	
Total Semester Hours		18

Undergraduate Certificate - CPA Examination Preparation

The CPA Examination Preparation undergraduate certificate is meant for students that have an accounting or business degree and wish to prepare for the CPA Exam. Experience in accounting analysis and the preparation of financial reports are not only essential business skills, but also in high demand by employers in all industries.

The curriculum for this 8-course online certificate program was developed by the university's industry advisory council in cooperation with the Florida Education Advisory Committee (FEAC). Coursework includes:

- Intermediate Accounting I, II and II
- Accounting Information Systems
- Auditing
- Cost Accounting
- Law for Accountants
- Individual Federal Taxes

Please note that sitting for and passing the CPA exam does not guarantee licensure in any state. The CPA exam is a state-by-state license and each state requires different courses for licensure. As such, it is your responsibility to find the specific course work that your state's Board of Accountancy requires for licensure.

Program Objectives

Upon successful completion of this certificate, the student will be able to:

- Preparing financial statements in accordance with appropriate standards.
- Interpreting the business implications of financial statement information.
- Preparing accounting information for planning and control and for the evaluation of products, projects and divisions.
- Judging product, project, divisional, and organizational performance using managerial accounting information.
- Identifying organizational information technology components and risks that can affect financial systems and prescribing appropriate controls.
- Preparing business and individual tax returns in accordance with regulations of the appropriate authorities.
- Analyzing transaction data and tax authorities for purposes of tax planning.
- Designing an audit program to frame the various elements of planning, testing and reporting phases of an audit in the context of the overall audit objective, engagement risk assessment and internal controls.
- Applying auditing concepts to evaluate the conformity of financial statements with appropriate auditing standards.
- Analyzing internal controls and interpreting assessment of engagement risk.

Certificate Requirements (24 semester hours)

Code	Title	Semester Hours
ACCT301	Intermediate Accounting I	3
ACCT302	Intermediate Accounting II	3
ACCT303	Intermediate Accounting III	3
ACCT305	Accounting Information Systems	3
ACCT400	Auditing	3
ACCT401	Cost Accounting	3
ACCT415	Law for Accountants	3

ACCT420	Individual Federal Taxes	3
Total Semester Hours		24

Undergraduate Certificate - Cybercrime Essentials

The undergraduate certificate in Cybercrime Essentials presents digital forensics tools and techniques used to detect, recognize, document, and verify cybercrime, cyber terrorism, cyberwarfare, cyberstalking, and cyberbullying. The rapid change in technology and the exponential growth in cybercrime means more skilled professionals are necessary to combat the effects of computer-related malice. This certificate program is intended for undergraduate students who seek to heighten their knowledge of cybercrime without committing to an academic degree program.

Coursework in this undergraduate certificate program aligns to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification and meets the topical requirements for the Department of Defense Directive 8570.1M Information Assurance Management (IAM) Technical I, Technical II, Technical III, Management I, Management II, and Management III categories.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the rudiments of cybercrime and computer forensics. Profile the challenges of securing information on the Internet.
- Assess the process, the techniques, and technologies used by hackers to gain unauthorized access to information systems.
- Examine the processes, best practices, and techniques to manage and prevent cybercrime.
- Inspect the strategies and steps to investigate digital evidence in cybercrime. Construct the legal portfolio of digital evidence to support the prosecution of cybercrime.
- Examine the file structures, formats and technical protocols in storage subsystems encountered in gathering digital evidence.
- Develop a plan to analyze the processes and practices to seize and secure digital evidence at a crime scene and to collect evidence in both the private and public sectors.
- Analyze the steps and process used to identify, secure, catalog, and store digital evidence.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC351	Computer Forensics	3
ISSC361	Information Assurance	3
ISSC422	Information Security	3
ISSC451	Cybercrime	3
ITMG371	Contemporary Internet Topics	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		18

Undergraduate Certificate - Cybersecurity

The undergraduate certificate in Cybersecurity examines the digital forensics tools, techniques, and methods used by cyber analysts to detect cybercrime, cyber terrorism, cyber war, cyberstalking, and cyberbullying. This online program offers both introductory and advanced forensic science courses, along with an understanding of the social and legal impacts of cyber terrorism and cyber bullying. The curriculum for this program maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Cybersecurity experts are needed to keep systems and sensitive information secure and out of the hands of cyber criminals in government and the public safety sectors, as well as commercial industries. This certificate program is intended for undergraduate students who seek to heighten their knowledge of cybersecurity without committing to an academic degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC331	Legal Issues in Information Security	3
ISSC351	Computer Forensics	3
ISSC451	Cybercrime	3
ISSC452	Cybersecurity	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		18

Undergraduate Certificate - Digital Forensics

The undergraduate certificate in Digital Forensics examines various forensics models to identify, preserve, collect, analyze, prepare, and present evidence for prosecuting cybercrime. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator, and this program teaches the precise digital forensic measures needed to respond to security incidents to prevent loss or corruption of sensitive proprietary information. This certificate program is intended for undergraduate students who seek to heighten their knowledge of digital forensics without committing to an academic degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks, both caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC351	Computer Forensics	3
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
Total Semester Hours		18

Undergraduate Certificate - E-Commerce

The undergraduate certificate in Ecommerce helps you comprehend how businesses and organizations use the Web to buy and sell products and services online. This certificate will broaden your scope of understanding of ecommerce architecture, tools and technologies, as well as analytics, videography, search engine optimization (SEO), and content management systems. Specific jobs in the ecommerce field include online marketing and analytic managers, search engine optimization (SEO) specialists, web developers, content managers, product managers, and more. After completing this certificate, you may consider pursuing your Certified Internet Web (CIW) Ecommerce Specialist certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the evolution of e-commerce architecture.
- Summarize the social and economic influences of e-commerce.
- Assess the use of Web analytics, Web videography, search engine optimization, and Web content management systems to promote e-commerce.
- Compare traditional business models with growing Web technologies, Web analytics, Web videography, search engine optimization, and Web content management systems used for e-commerce.
- Develop management strategies that would incorporate e-commerce and achieve organizational missions.

Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD122	Introduction to Web Analytics	3
WEBD220	Web 2.0 Fundamentals	3
WEBD222	Advanced Web Analytics	3
WEBD311	Internet Concepts	3
WEBD321	Web eCommerce Development	3
WEBD323	Search Engine Optimization	3
Total Semester Hours		18

Undergraduate Certificate - Emergency Management

The undergraduate certificate in Emergency Management is designed to improve your knowledge of disaster planning, risk assessment, emergency operations, crisis communication, public policy, and disaster mitigation and recovery. With continual awareness on the need to assure sustainability in crisis situations, along with regulatory requirements on businesses to develop emergency management programs, there is growing need to prepare professionals in all walks of industry to understand, respond to, and manage crisis. This online certificate is intended for undergraduate students who want to expand their knowledge of emergency management without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Develop a core understanding of emergency management theory and concepts.
- Summarize the four phases of emergency management.
- Recognize the application of planning strategies for each phase of Emergency & Disaster Management.
- Assessing the role of social media in preparedness, response and recovery operations.
- Evaluate hazard identification and risk reduction techniques.
- Analyzing the role of public policy in managing threats to community sustainability.
- Examine the psychological impact of a disaster on rescuers and victims.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG101	Introduction to Emergency Management	3
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
EDMG259	Hazard Mitigation and Preparedness	3
EDMG321	Social Media Application to Emergency and Disaster Management	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		18

Undergraduate Certificate - Employee Relations and Engagement

The undergraduate certificate in Employee Relations and Engagement focuses on organizational change, conflict resolution, motivation, and leadership. Today's employers require skilled managers with business acumen, interpersonal communication, relationship management and cultural awareness skills. Knowledge gained in this program is useful in professions requiring an understanding of leading and navigating employees to success through the creation of engaged, proactive relationships throughout the organization.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify employee relation strategies that prevent inappropriate or unlawful behavior in the workplace.
- Discuss how proactive employee relation strategies correlate to organizational success and increase employee morale.
- Describe how implementing a counseling/coaching/mentoring program encourages healthy relationships among leaders and followers as well as peer-to-peer encounters.
- Explore theories and concepts which explain how to gain acceptance and buy-in for change management initiatives within organizations.
- Construct a customized business unit model utilizing employee relation and engagement strategies to decrease employee turnover and improve employee communication.

Code	Title	Semester Hours
HRMT411	Dispute Resolution	3
HRMT413	Employment and Labor Relations	3
MGMT311	Organizational Behavior	3
MGMT313	Organizational Change	3
MGMT332	Leading Others Leadership Counseling	3
MGMT490	Independent Study: Management	3
Total Semester Hours		18

Undergraduate Certificate - Enterprise Web Applications

The undergraduate certificate in Enterprise Web Applications focuses on the theories and skills necessary to design, develop, and implement robust enterprise web applications. You will be taught how to apply and use object-oriented programming (OOP), HTML, JavaScript, and Java (J2SE & J2EE), and will examine the process to build and deploy real-world Java applications. One course in this program covers the CIW JavaScript Specialist curriculum of the CIW JavaScript certification. After completing this certificate, you may consider pursuing your CIW Site Development Associate certification.

Note: While not a prerequisite, it is strongly recommended that you complete our undergraduate certificate in Web Publishing prior to enrolling in this program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Assess the impact of Java 2 Standard Edition (J2SE) and Java 2 Enterprise Edition (J2EE) on Information Technology Management, on security, and on global economies as it applies to enterprise eCommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in JavaScript and Java.
- Evaluate the power and advantages of XML that have made it the global standard for enterprise data exchange and data dictionary standardization.
- Explore and analyze the hierarchy of the Java Class Library; use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, life cycle, management issues, and process for developing Java Server Pages (JSP) based, Java Servlets based, and JavaBeans based enterprise web applications.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD381	Object Oriented Programming With Java	3
ENTD481	Enterprise Development using J2EE	3
INFO321	Database Management Systems	3
WEBD121	Web Development Fundamentals	3
WEBD241	Web Development Using JavaScript	3
Total Semester Hours		18

Undergraduate Certificate - Enterprise Web Applications using .NET

The undergraduate certificate in Enterprise Web Applications Using .NET focuses on the principles and leading practices necessary to design, develop, test, and implement web applications using the .NET framework. You will be taught to apply and use object-oriented programming (OOP), Visual Basic, ASP, and C# to develop web applications, and to build real-world .NET applications. This online certificate is intended for undergraduate students who want to expand their web application development skills without committing to an academic degree program.

Note: Prior experience with object-oriented software development is strongly recommended for this program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Discuss the impact of the .NET framework on Information Technology management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in Visual Basic, ASP, and C#.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD361	Enterprise Development Using VB.NET: Introduction	3
ENTD461	Enterprise Development Using VB.NET: Advanced	3
ENTD462	Enterprise Development Using ASP.NET	3
ENTD463	Enterprise Development Using C#	3
ENTD464	Enterprise Development using .NET: Project	3
Total Semester Hours		18

Undergraduate Certificate - Environmental Technology

The undergraduate certificate in Environmental Technology provides a foundational understanding of hazardous materials and waste management, environmental law and enforcement, and the management of pollution. This online program looks at the technical aspects of environmental technology and management through the implementation of environmental management systems, hazardous materials safety, and regulatory compliance programs. Emphasis is on the practical application of government regulatory, safety, and compliance measures for both private and public sector environmental professionals.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG240	Chemistry of Hazardous Materials	3
EVSP320	Energy and Resource Sustainability	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP412	Environmental Management Systems	3
EVSP414	Air Quality Management	3
EVSP430	Pollution and Pollution Management	3
Total Semester Hours		18

Undergraduate Certificate - Explosive Ordnance Disposal

The undergraduate certificate in Explosive Ordnance Disposal seeks to increase your knowledge of the science, history, construction, and handling of explosive substances, as well as proper disposal techniques and incident assessments. Law enforcement agencies, the military, and government contractors need skilled, knowledgeable bomb disposal technicians and first responders to assist in protecting public safety. This online certificate is intended for undergraduate students who wish to expand their knowledge of explosive ordnance disposal without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Recognize the historical basis of the development of the Explosive Ordnance Disposal field (EOD).
- Identify the differences between military and civilian EOD organizations.
- Select the appropriate use of technology/approach in rendering safe operations.
- Describe the basic electrical and electronic theory/circuitry used in triggering and controlling standard explosive devices and improvised explosives devices (IEDs).

Certificate Requirements (19 semester hours)

Code	Title	Semester Hours
SCIN133	Introduction to Physics with Lab	4
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS230	Chemistry of Explosives	3
HLSS231	History of Explosive Ordnance Disposal	3
HLSS232	Electronics, Electricity, and Explosives	3
HLSS233	Explosive Incident Assessment: Methods, Practices, Protocols	3
Total Semester Hours		19

Undergraduate Certificate - Family Studies

The undergraduate certificate in Family Studies is designed for students wishing to develop or enhance their knowledge and skills related to the provision of educational and support services to families, parents, and children. This 6-course online program examines how the individual's needs and perceptions affect family dynamics, and explores the spectrum from child development to the aging process. A focus on the military family is also provided.

Note: Completion of this certificate does not qualify you to apply for teaching licensure.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine the dynamics and cultural influences, such as ethnicity, within a family unit.
- Apply theoretical approaches to child rearing in families.
- Develop knowledge of practical skills for working with children and parents.
- Identify and examine the aging process and its effects on a family.
- Explore and discuss strategies and practices of healthy and effective marriages and family relations.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD340	Family Development	3
Select 5 courses from the following:		15
CHFD446	Families and Social Action	
CHFD225	Introduction to the American Family	
CHFD307	Child and Adolescent Development	
CHFD331	Parenting	
CHFD348	Marriage and the Family	
CHFD360	Family Resource Management	
CHFD445	Family Communications	
CMRJ322	Crime and the Family	
DEFM332	Transition and the Military Family	
Total Semester Hours		18

Undergraduate Certificate - Fire Science

The undergraduate certificate in Fire Science provides a foundation in study of fire science, and introduces the essentials of fire behavior and combustion, fire prevention and protection systems, emergency services, and safety and survival. This online program follows the Fire and Emergency Services Higher Education Model Curriculum (FESHE), as outlined by the U.S. Fire Administration and National Fire Academy. This certificate program is applicable to a variety of career fields including firefighting, fire inspection, and arson investigation, where skilled, knowledgeable professionals are in demand. This online certificate is intended for undergraduate students who seek to expand their knowledge of fire science without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the chemistry components of combustion and how combustion is managed through science.
- Identify the various fire protection systems currently used in today's building protection system.
- Identify construction methods and types of construction.
- Demonstrate use of risk analysis for a geographical community.
- Define the national fire flow formula for proper building protection and water supply.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT287	Fire Protection in Building Construction	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
Total Semester Hours		18

Undergraduate Certificate - Fish and Wildlife Management

The undergraduate certificate in Fish and Wildlife Management examines the policies, regulations, and technical approaches to managing fish and wildlife population control and conservation. You'll be taught to develop strategies to ensure species survival in light of environmental and climatic change, and habitat degradation and fragmentation. Knowledge from this certificate program applies to many career fields including state and federal fish and wildlife management agencies, nonprofits, and consulting companies.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP330	Fish and Wildlife Policies, Programs, and Issues	3
EVSP341	Introduction to Wildlife Management	3
EVSP411	Environmental Policy, Regulation, and Law	3
Select 3 courses from the following:		9
EVSP331	Public Lands Management	
EVSP342	Population Ecology	
EVSP416	General Ecology	
EVSP421	Water Resources Management	
Total Semester Hours		18

Undergraduate Certificate - Forensics

The undergraduate certificate in Forensics is designed to improve your knowledge of criminal behavior, analysis, profiling, evidence collection and processing, criminal liability, and criminal law. Skilled professionals are needed to serve as criminal profilers, forensic scientists, and crime scene investigators in government and law enforcement agencies. This online certificate is intended for undergraduate students who want to expand their knowledge of forensics without a commitment to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Determine the usefulness of trace elements for the forensic comparison of various types of physical evidence and relate the advantages of evidence collection from the forensic scientist's point of view.
- Explain how the science and art of profiling crime scenes, and subsequently offenders, from physical and psychological evidence is key to the investigation of crimes for which there is no known perpetrator.
- Analyze contemporary practices associated with investigating the manner and cause of sudden, unexpected, and violent death.
- Assess environmental influences and motivating factors that result in criminal behavior.
- Describe how approaches to profiling can be applied to assist in solving crimes.
- Discuss principles of criminal liability and the acts, mental state, and attendant circumstances that are central ingredients in crimes against society, persons, or property.
- Describe why a basic knowledge of chemistry and human anatomy is critical in the world of forensics.

Certificate Requirements (23 semester hours)

Code	Title	Semester Hours
CMRJ329	Criminal Profiling	3
CMRJ335	Crime Analysis	3
CMRJ341	Criminalistics	3
CMRJ402	The Pathology of Death Investigations	3
LSTD302	Criminal Law	3
SCIN131	Introduction to Chemistry with Lab	4
SCIN132	Introduction to Human Anatomy & Physiology with Lab	4
Total Semester Hours		23

Undergraduate Certificate - Foundations of Homeland Security

Only transportation security officers with the U.S. Transportation Security Administration (TSA) may enroll in this program. The Foundations of Homeland Security undergraduate certificate is designed to provide broad knowledge of homeland security threats and to enrich knowledge previously gained in the university's Airport Transportation Security undergraduate learning track. Topics include homeland security, emergency and disaster management, and intelligence analysis, with a focus on threats you may encounter during the course of your career as a TSA employee.

This online certificate is intended for undergraduate students working for the TSA who want to expand their knowledge of homeland security without committing to a degree program.

Note: This program does not qualify for Federal Student Aid.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- List the essential characteristics of national and international acts of terrorism.
- Describe how the intelligence cycle relates to threats facing the United States.
- Explain modern transportation and border security challenges.
- Describe Emergency Operations Center operations.
- Compare the psychological and behavioral aspects of terrorism.
- Explain the history of Chemical, Biological, Radiological, and Nuclear weapons development and use.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HLSS150	Introduction to Homeland Security	3
INTL150	Intelligence Analysis and Security Management	3
SCMT150	Transportation and Border Security	3
Select 3 courses from the following:		9
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
Total Semester Hours		18

Undergraduate Certificate - Homeland Security

The undergraduate certificate in Homeland Security provides a broad comprehension of major national security threats including weapons of mass destruction, security vulnerabilities, intelligence, consequence management, and homeland defense. Experienced, skilled professionals are in needed to help organizations handle terrorist incidents and create proactive measures to protect public safety. Knowledge gained from this certificate program is useful to support your current career in public safety. This online certificate is designed for undergraduate students who want to expand their knowledge of homeland security without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify the key challenges for the 21st century facing not only U.S. homeland security strategy, but also those of other major actors that might become "peer competitors."
- Discriminate between valuable sources of information and those sources that are questionable.
- Differentiate between homeland security and homeland defense.
- Describe the national intelligence apparatus including FBI, CIA and NSA.
- Assess proposals for improvement in the state of homeland security.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HLSS302	Introduction to Homeland Security and Defense	3
HLSS305	Private Sector Homeland Security	3
HLSS320	Intelligence and Homeland Security	3
Select 3 courses from the following:		9
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
Total Semester Hours		18

Undergraduate Certificate - Human Resource Management

The undergraduate certificate in Human Resource Management is ideal if you already have an associate or bachelor's degree and want to take focused courses in employment relations, employee development, and other aspects of the human resources field. Courses for this online program are taught at the 300-400 level and cover concepts such as recruiting, compensation, and labor relations.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify various laws, rules, regulations and policies affecting employees in today's workplace.
- Discuss various compensation packages and incentives used in recruiting employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT412	Compensation and Benefits	3
HRMT413	Employment and Labor Relations	3
HRMT415	Human Resource Management Information Systems	3
HRMT416	Human Resource Development	3
MGMT310	Principles and Theory of Management	3
Total Semester Hours		18

Undergraduate Certificate - Infant and Toddler Care

The undergraduate certificate in Infant and Toddler Care covers the planning and implementing of infant and toddler programs in group care settings. You'll look at topics such as infant and toddler developmental milestones, abnormal development and disease, parenting, and family dynamics. This concentrated, 6-course program is intended for undergraduate students who wish to further their knowledge in infant and toddler care without committing to a degree program.

Note: Completion of this certificate does not qualify you to apply for teaching licensure.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify cognitive, physical, social, and emotional changes that occur in early childhood.
- Explore the relationship between a child's development and interactions with parents, siblings, peers, and teachers.
- Examine the fundamentals of infant and toddler development including planning and implementation of programs in daycare.
- Develop knowledge of formal and informal methods of gathering data on young children.
- Apply interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural environments.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD210	Childhood Educational Development	3
CHFD212	Infant and Toddler Programs	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
COMM240	Intercultural Communication	3
EDUC111	Observation Techniques	3
Total Semester Hours		18

Undergraduate Certificate - Information Security Planning

The undergraduate certificate in Information Security Planning examines the principles of information systems attack and defense, and applies that knowledge to protect the information assets of an organization. You'll be taught how to design secure networks, develop security policies, use cryptography, and perform business continuity planning.

Courses in this program meet the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II, Technical III, Management I, Management II, and Management III categories. Additionally, the National Security Agency (NSA) Information Assurance Courseware Evaluation (IACE) has certified some courses for this program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Assess the laws (national and federal), policies (including Sarbanes-Oxley Act), issues (social, psychological, legal, and management), risks, and controls related to information assurance and network security.
- Appraise the principles and concepts behind computer network defense (CND) methodology, robust codes, cryptography, authentication, authorization, non-repudiation, and commercially available security packages (PKI, PGP, Kerberos, SSL, VPN).
- Examine the processes, roles and responsibilities of management and security professionals in risk assessment, risk mitigation, security validation, policy enforcement, and personnel indoctrination.
- Assess the key components of the Physical Security Policy, Internet Security Policy, Email Security Policy, Encryption Security Policy, Software Development Security Policy, Authentication Security Policy, Network Security Policy, Acceptable Use Policy, and the policy that addresses viruses, worms, and Trojan horses.
- Assess the engineering discipline, process, techniques, tools, and technologies used by hackers to gain unauthorized access to the systems and appraise counter measures to mitigate this risk.
- Examine the plans, procedures, practices, and tools to ensure business continuity and to recover rapidly after an incident.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC362	IT Security: Attack & Defense	3
ISSC422	Information Security	3
ISSC471	IT Security: Auditing	3
ISSC481	IT Security: Planning and Policy	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
Total Semester Hours		18

Undergraduate Certificate - Information Systems Security Essentials

The undergraduate certificate in Information Systems Security Essentials focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation of information systems. This program concentrates on five key aspects of information security: hardware, software, networks, people, and policies. Security threats increase in number and severity at a faster rate than qualified security professionals can fill the necessary gap. Knowledgeable security professionals are needed even in a troubled economy, as businesses are forced to prioritize to invest in a secure digital environment.

Courseware in this online program is designed to prepare you for the Security+ certification. It meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories. Additionally, the National Security Agency (NSA) Information Assurance Courseware Evaluation (IACE) has certified some courses for this program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Evaluate information security strategies, architectures and plans to counteract intruders in an information system.
- Appraise national and federal laws, policies, and guidance related to information assurance; also develop an awareness of the social, psychological, ethical, and legal policies and requirements in the field of information assurance.
- Examine and profile the various types of security attacks and exploits; also appraise various security technologies, such as: packet filtering, Stateful Packet Inspection (SPI), proxy technology, Network Address Translation (NAT), Public Key Infrastructure (PKI) authentication, and encryption.
- Analyze the concept and the functionality of firewalls, routers, Virtual Private Networks (VPN), and Intrusion Detection Systems (IDS).
- Appraise the role of security assessments, penetration testing, and security plans in establishing network security; also evaluate the components of a network security assessment methodology.
- Investigate methods of mitigating risk by minimizing the exposure of information to hackers and the techniques hackers use to avoid detection and to cover their electronic footprints.
- Develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.
- Define public key cryptography, the purpose of digital certificates, and risk analysis and explain ways to securely manage operations.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC362	IT Security: Attack & Defense	3
ISSC363	IT Security: Risk Management	3
ISSC421	Computer and Network Security	3
ISSC422	Information Security	3
ISSC461	IT Security: Countermeasures	3
Total Semester Hours		18

Undergraduate Certificate - Instructional Design and Delivery

The undergraduate certificate in Instructional Design and Delivery teaches how to develop curriculum and assessment for adult learners within online, face-to-face, and hybrid learning environments. In this online program, you'll study the leading theories and concepts of contemporary curriculum design as advocated by leading scholars and practitioners, while learning to organize effective instruction that challenges and involves adult learners.

This concentrated, 6-course program is intended for undergraduate students who wish to further their knowledge in instructional design without committing to a degree program.

Note: This program is not designed to prepare educators for work in K-12 public school settings and is not a degree program that would lead to state-level teaching certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate effective professional and personal communication skills.
- Design curriculum for adult learning contexts.
- Use effective classroom management approaches in adult learning contexts.
- Apply adult learning theory.
- Apply learning and cognition theory in adult learning contexts.
- Design instructional assessments based upon measurement and evaluation theory.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
COMM285	Interpersonal Communications	3
EDUC320	Classroom Management	3
EDUC340	Adult Learning Theory	3
EDUC401	Curriculum Design	3
EDUC402	Measurement and Evaluation	3
PSYC303	Learning and Cognition	3
Total Semester Hours		18

Undergraduate Certificate - Intelligence Analysis

The undergraduate certificate in Intelligence Analysis helps you to enhance your critical thinking and analytical skills required for gauging and forecasting potential threats to U.S. national security. You will study the fundamentals of intelligence analysis while looking at the historical evolution of the U.S. national intelligence. Topics in this 6-course certificate program focus on advanced qualitative analytic procedures, basic modeling, and predictive analysis skills. The online certificate is designed for undergraduate students who want to improve their knowledge of intelligence analysis without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Conduct basic research and provide professional analyses on issues critical to intelligence consumers.
- Identify the basic cognitive science principles that underlie human information processing and problem solving such as intelligence analysis.
- Complete intermediate-level analyses in selected areas critical to intelligence consumers.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
SSGS300	Research Design and Methods	3
INTL401	Critical Analysis	3
INTL402	Intelligence Analysis	3
INTL434	Threat Analysis	3
Select 2 courses from the following:		6
INTL419	Applied Geospatial Intelligence	
INTL431	Criminal Intelligence Analysis	
INTL432	Geographic Information Systems I	
INTL433	Geographic Information Systems II	
INTL446	Intelligence and Narcotics	
INTL454	Forecasting Terrorism	
Total Semester Hours		18

Undergraduate Certificate - Internet Webmaster

The undergraduate certificate in Internet Webmaster aligns with the Certified Internet Webmaster (CIW) Associate Design Specialist, CIW Web Design Specialist, and CIW Professional certifications, and brings you the essential skills required for website design and development. This online program focuses on the technical side of web design and looks at protocols, browsers, search engines, web services, and internet security. You'll also learn HTML5, cascading style sheets (CSS), graphics, tables, templates, frames, forms, snippets, and how to use Adobe Dreamweaver and Flash. Experience with scripting languages such as JavaScript is strongly recommended prior to enrolling in this program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Compare and contrast the functions of network protocols; describe network transmission media and types and identify network architecture and topologies; and describe the Internet architecture model and Internet protocols.
- Assess the principles for designing web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Investigate the principles and concepts of effective design for organizing information, for performing site design, and for determining the navigation structure.
- Examine the features, functions, and settings of e-mail and FTP; also evaluate the risks with using FTP.
- Differentiate between Web search engines, Web directories, and Web metasearch engines; also predict the future of Web search tools.
- Appraise Cascading Style Sheets (CSS) and apply this knowledge to develop web page and web site templates.
- Develop X/HTML code to create Web pages with images and image maps.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC341	Introduction to Networking	3
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD221	Intermediate Web Development	3
WEBD222	Advanced Web Analytics	3
WEBD311	Internet Concepts	3
Total Semester Hours		18

Undergraduate Certificate - IT Infrastructure Security

The undergraduate certificate in IT Infrastructure Security covers the design of secure networks, and teaches how to develop risk mitigation plans and perform intrusion detection in IT network environments. This online program seeks to enhance your ability to assess, mitigate, and manage security risks in IT infrastructure.

The U.S. National Security Agency (NSA) and the Committee on National Security Systems (CNSS) recognize this program as meeting the CNSS National Training Standards 4011 and 4013E, which are required for network security professionals who assist federal agencies in protecting the nation's vital information resources. Courseware in this online program meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the impact of operating system and network security on Information Technology Management and global ecommerce.
- Establish the need for a reference model and examine the Open Systems Interconnection (OSI) and Transmission Control Protocol/ Internet Packet (TCP/IP) reference models.
- Discuss the technical risks, performance factors and security issues related to operating system and network security on ecommerce, information technology management, and global commerce.
- Examine the principles that enable viruses, worms, and Trojan horses to propagate and proliferate throughout the system.
- Differentiate between active and passive intrusion detection and examine the scope and procedures for implementing border and firewall security.
- Appraise the process for assessing network and application security and analyze the corresponding risk mitigation strategies and techniques.
- Assess the configuration, functionality, and risks of filtering and evaluate security systems such as firewalls, border routers, switches, and intrusion detection systems sensors.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC341	Introduction to Networking	3
ISSC342	Operating Systems: Hardening and Security	3
ISSC362	IT Security: Attack & Defense	3
ISSC363	IT Security: Risk Management	3
ISSC421	Computer and Network Security	3
ISSC461	IT Security: Countermeasures	3
Total Semester Hours		18

Undergraduate Certificate - IT Project Management Essentials

The undergraduate certificate in IT Project Management Essentials teaches management and organizational skills required to oversee complex enterprise-level projects. You will explore strategic planning and business systems analysis. You'll also learn the fundamental processes for integrating teams and harnessing resources, identifying scope and adapting to change, managing budgets and expectations, and guiding projects to completion with qualitative results. This online certificate is intended for undergraduate students who want to expand their knowledge of IT project management essentials without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the principles and practices for organizing, allocating, and managing project resources.
- Analyze the project management framework including the stakeholders, domains, phases, processes, integration, and life cycle.
- Examine the potential complexities and pitfalls in initiating and closing projects and assess methods to mitigate this risk.
- Appraise the unique challenges in managing the scope, time, and cost of IT projects.
- Assess the principles, strategies, challenges, and measures for managing quality and risk of IT projects.
- Analyze the phases, procedures, deliverables, and best practices for business systems analysis.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO331	Management Information Systems	3
ITMG321	Information Technology Project Management	3
ITMG322	Project Management Using MS Project	3
ITMG371	Contemporary Internet Topics	3
ITMG381	Cyberlaw and Privacy in a Digital Age	3
ITMG421	Virtual Management	3
Total Semester Hours		18

Undergraduate Certificate - Law Enforcement Leadership

The undergraduate certificate in Law Enforcement Leadership is designed to enhance leadership and management skills of chiefs of police and other key state law enforcement command personnel by providing professionally relevant education at the undergraduate level. It offers you an improved understanding of organizational behavior, motivation, change, budget development, labor relations, human resources, and strategic planning.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine management techniques, principles, philosophies which are part of organization change and transformation.
- Develop a self-assessment of one's own leadership and motivation skills, knowledge, and attitudes.
- Integrate the principles used in formulating and executing a strategic plan.
- Evaluate the historical and current state of employment relations theory.
- Analyze the four phases of the budget cycle.
- Critique the concepts, skills, theories and techniques involving human resource management and HR practices in the workplace.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CMRJ308	Ethics in Criminal Justice	3
CMRJ320	Law Enforcement Intelligence Applications	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
Select 2 courses from the following:		6
FINC405	Budget Development and Execution	
HRMT407	Human Resource Management	
HRMT413	Employment and Labor Relations	
MGMT414	Strategic Planning	
Total Semester Hours		18

Undergraduate Certificate - Meeting and Event Planning

The undergraduate certificate in Meeting and Event Planning is a concentrated overview of the multi-million dollar conference, exposition, and convention business. This online program brings you real-world experiences in planning, selling, and servicing meetings and conventions, with a focus on travel and tourism management. This online certificate is intended for undergraduate students who want to expand their knowledge of meeting and event planning without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP308	Meeting and Convention Planning	3
HOSP309	Convention Sales and Services	3
HOSP320	Business and Conference Hospitality Mgmt	3
HOSP410	Advanced Tourism and Hospitality Management	3
HOSP415	Destinations and Cultures	3
Total Semester Hours		18

Undergraduate Certificate - Microsoft Access Database Applications

The undergraduate certificate in Microsoft Access Database Applications provides you with hands-on instruction in developing entity relationship diagrams, data models, databases, table structures, and graphical user interfaces (GUI). You will study the theories behind database development while interacting with databases using ANSI standard SQL. This online program is intended for undergraduate students who want to expand their knowledge of Microsoft Access database applications without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Differentiate between the hierarchical, network, relational, and object-relational database models; and demonstrate the need for procedural language facilities in the world of American National Standards Institute (ANSI) standard SQL.
- Examine the process for developing entity diagrams, designing databases, developing database applications, managing databases, implementing data integrity, assuring information, and implementing transaction processing.
- Assess the impact and issues related to relational databases, entity diagrams, and PL/SQL on Information Technology Management, enterprise applications, and global e-commerce.
- Analyze the need, objective, and principles of normalization to engineer and design databases.
- Evaluate the concepts and principles of integrity (including referential integrity and transactional integrity) in the context of relational database design.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO161	Relational Databases with MS Access: Introduction	3
INFO221	Relational Database Concepts	3
INFO261	Relational Databases with MS Access: Advanced	3
INFO262	Relational Databases with MS Access: Project	3
INFO331	Management Information Systems	3
WEBD121	Web Development Fundamentals	3
Total Semester Hours		18

Undergraduate Certificate - Microsoft Office Applications

The undergraduate certificate in Microsoft Office Applications is designed to increase your knowledge of the concepts and technology trends essential to office productivity applications. You will study the principles, practices, features, and functions of word processing, spreadsheet, presentation, and communications applications in the Microsoft Office suite, as well as Internet concepts and emerging Web 2.0 technologies.

Because the Microsoft Office suite is commonly used in a variety of work environments and professions, the knowledge acquired through this program is applicable to a variety of career options in business, education, technology, medicine, science, and education. After completing this certificate, you may consider pursuing your certification as a Microsoft Office Specialist (MOS) in the following areas: Microsoft Office Word 2013, Microsoft Office Excel 2013, Microsoft Office PowerPoint 2013, and Microsoft Office Outlook 2013.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the impact of the Microsoft Application Suite on IT Management as it applies to office productivity, collaboration, and security.
- Examine and use productivity software such as Microsoft Word to create lists, themes, mail merges, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies.
- Evaluate and use productivity software such as Microsoft Excel to create and format spreadsheets, manipulate data, and use formulas, charts, conditional logic, graphics, and security features.
- Examine the functionality of productivity software such as Microsoft PowerPoint to set up presentations, transitions, animations, and timing.
- Assess the functionalities of Microsoft Access Relational Database Management System (RDBMS to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation.
- Appraise the use of productivity software such as Microsoft Outlook to follow up, categorize, set up rules, and program alerts.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO161	Relational Databases with MS Access: Introduction	3
ITCC111	Basic Productivity Applications	3
ITCC112	Advanced Productivity Applications	3
ITCC113	Office Presentation Applications	3
ITCC114	Office Communications Applications	3
ITCC200	Application Software Integration	3
Total Semester Hours		18

Undergraduate Certificate - Mobile Computing

The undergraduate certificate in Mobile Computing addresses the rapid evolution of mobile usage and explores the impact this technology has in advancing systems, communications, and societies worldwide. You will study the primary standards and techniques for mobile computing, including website and application design, development, testing, and implementation. The curriculum instructs best practices and procedures for utilizing the iterative process and for deploying mobile applications in the target platform environment. This interdisciplinary program was designed to complement our popular IT programs and their extensive learning communities.

Note: Experience with programming languages and familiarity with object-oriented programming languages is strongly recommended for this certificate.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the evolution of mobile computing.
- Summarize the social and economic influences of mobile computing.
- Explore guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone and iPad.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD313	Mobile Application Design and Development	3
ENTD322	Application Development for the Droid	3
ENTD333	Application Development for the iPhone and iPad	3
ENTD380	Introduction to Object Oriented Programming with Java	3
ENTD413	Advanced Mobile Application Design and Development	3
Total Semester Hours		18

Undergraduate Certificate - Oracle Database

The undergraduate certificate in Oracle Database provides you with the theories and necessary skills to design, develop, administer, monitor, and maintain databases in Oracle. You will also be taught PL/SQL as the programming language used for Oracle development. These skills are very valuable to most business enterprises, the vast majority of which have Oracle-based database implementations including: financials; enterprise resource planning; human-resource management; customer-relationship management; supply-chain management; product-lifecycle management; warehouse-management; project portfolio management; ebusiness, and other applications.

Entry to mid-level career positions such as Oracle developer, Oracle analyst, Oracle specialist, Oracle programmer, and Oracle administrator are some of the possible paths you can take with the knowledge gained from this online certificate program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Use entity-relationship modeling diagram and design, and develop Oracle databases.
- Differentiate between conceptual, logical, and physical design phases in database modeling and design.
- Apply the American National Standards Institute (ANSI) standard Structured Query Language (SQL) to define and manipulate data residing in Oracle databases using Data Definition Language (DDL) and Data Manipulation Language (DML).
- Administer Oracle databases using transact control language (TCL) to control user access and permissions, transactional and referential integrity, data concurrency, views, functions, sequences, performance tuning, and query optimization.
- Apply Procedural Language SQL (PL/SQL) to access records, fields, tables, block and control structures, and to execute cursors, functions, procedures, packages, events, and triggers.
- Use the principles of software and object-oriented design (OOD) model data-driven applications.
- Apply the principles of object-oriented programming (OOP) to design, and develop data-driven applications using Java and Oracle.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO171	Relational Databases with Oracle: SQL Introduction	3
INFO271	Relational Databases with Oracle: SQL Intermediate	3
INFO371	Relational Databases With Oracle: PL/SQL	3
ENTD211	Introduction to Software Design	3
ENTD381	Object Oriented Programming With Java	3
Select 1 course from the following:		3
INFO471	Relational Databases With Oracle: Forms & Reports	
ENTD481	Enterprise Development using J2EE	
Total Semester Hours		18

Undergraduate Certificate - Paralegal Studies

The undergraduate certificate in Paralegal Studies focuses on legal terminology, research, writing, legal theory, and legal concepts. Employers such as law firms, businesses with legal departments, government agencies, and nonprofits require skilled employees with legal expertise, critical thinking skills, and analytical skills. Knowledge gained in this program is useful in professions requiring an understanding of law and the court system. This online certificate is intended for undergraduate students who want to expand their paralegal skills without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, identifying and effectively using legal resources, and writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature and function of the law and the application of critical thinking and analytical skills.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Certificate Requirements (24 semester hours)

Code	Title	Semester Hours
LSTD100	Introduction to Law for Paralegals	3
LSTD201	Litigation	3
LSTD202	Real Estate Law	3
LSTD203	Criminal Law and Procedure for the Paralegal	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
LSTD300	Administrative Law and Policy	3
Total Semester Hours		24

Undergraduate Certificate - Public Lands Management

The undergraduate certificate in Public Lands Management explores the origins of national parks, forests, and refuges, and studies the tools and techniques used by land managers to provide ecosystem services to the public. These tools help you to develop an understanding of regulatory and policy issues, the use of remote sensing and geographic information systems technology, and the application of land preservation and protection strategies. You will examine fundamental land use controls such as zoning, land use policy, and contemporary management techniques. Knowledge gained in this certificate is helpful in the forestry, land conservation, and land management fields. This online certificate is intended for undergraduate students who want to expand their knowledge of public lands management without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- List the federal, state, and local agencies that manage public lands in the U.S.
- Explain the regulatory, policy, and political influences on public lands management.
- Develop management strategies for the management of public lands that balance competing needs and uses.
- Describe the techniques and strategies used to manage fish and wildlife resources on public lands.
- Evaluate land use, development, and management plans within and adjacent to public lands.
- Assess the current status of public lands and its contribution to the social and environmental sustainability of the U.S.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP330	Fish and Wildlife Policies, Programs, and Issues	3
EVSP331	Public Lands Management	3
EVSP411	Environmental Policy, Regulation, and Law	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

Undergraduate Certificate - Real Estate Management

The undergraduate certificate in Real Estate Management is a concentrated program offering broad-based knowledge of core areas within the real estate field. This online certificate provides a good foundation in real estate topics including real estate law, property management, deeds and leases, insurance, marketing, and negotiation for both aspiring and current real estate professionals. This online certificate is intended for undergraduate students who want to expand their knowledge of real estate management without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Develop a foundational knowledge of management, development, and financing of real estate.
- Discuss the foundations of real property value and review the elements of the appraisal process – from the value definition to reconciliation and conclusion.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
BUSN120	Real Estate Principles	3
BUSN121	Real Estate Practice	3
BUSN220	Real Estate Finance	3
BUSN221	Real Estate Appraisal	3
BUSN222	Real Estate Property Management	3
LSTD202	Real Estate Law	3
Total Semester Hours		18

Undergraduate Certificate - Regional and Community Planning

The undergraduate certificate in Regional and Community Planning offers both theory and practical skills in land use planning, including hazard mitigation and preparedness, sustainable design principles, energy and resource sustainability, remote sensing, geographic information systems, and environmental impact assessment. You will learn to assess the overall impact that development projects have on the surrounding environment and the quality of life for community inhabitants. This online certificate is intended for undergraduate students who want to expand their knowledge of regional and community planning without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, greenspace, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of Local and Regional Planning, Landscape-level Planning, and Environmental Assessment and Impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG259	Hazard Mitigation and Preparedness	3
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP415	Environmental Impact Assessment	3
Total Semester Hours		18

Undergraduate Certificate - Restaurant Operations

The undergraduate certificate in Restaurant Operations is a concentrated program that explores the essentials of front-office and behind-the-scenes operations related to food service management. In this online program, you will examine current managerial techniques and tools to effectively operate a wide variety of restaurants. Topics covered help to prepare you for careers as a food service manager, or restaurant owner or employee. This certificate would also be a good addition to a business or management degree.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply proper food safety and sanitation procedures to meet industry standards and governmental regulations.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Practice current managerial techniques and trends to support the goals of a restaurant.
- Interpret financial data as it relates to an operation's goals.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management [1]	3
Select 5 courses from the following:		15
HOSP101	Foodservice Sanitation	
HOSP200	Food and Beverage Management	
HOSP201	Restaurant Operations Management	
HOSP202	Quantity Food Preparation	
HOSP203	Hotel and Restaurant Purchasing	
HOSP204	Introduction to Hotel and Restaurant Law	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP400	Quality Service Management	
Total Semester Hours		18

[1] Required as the first course in this program

Undergraduate Certificate - Retail Management

The undergraduate certificate in Retail Management is a concentrated program that provides the basic skills needed to update or broaden your skills in the dynamic and fast-growing retail industry. This online program will focus on interpersonal, managerial, and critical thinking skills necessary for success in the retail industry. Completion of this 6-course certificate can help prepare you for advancement if you are currently working in the retail field. This online certificate is intended for undergraduate students who want to expand their knowledge of retail management without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Define the basics of retail management functions/principles and explore ideal characteristics of a good manager.
- Define the basics of customer relations functions/principles and explore ideal characteristics of good customer relations as applied to individuals in both small/large organizations.
- Describe the importance of retail inventory management knowledge when viewing fundamental organizational requirements, recognize retail inventory skills required of managers, understand competitive dimensions, and describe how productivity is measured.
- Identify the goals of financial management and retail financial strategy.
- Decipher risk management planning and its use, how risk management tenets can be applied to the Manager role, and how to implement a policy and evaluate compliance.
- Identify various challenges that face retail leaders in both the private and public sector, understand commercial safety issue, and identify how to create/maintain a safe work environment.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
RTMG150	Retail Organization Fundamentals	3
RTMG200	Customer Relations	3
RTMG201	Retail Inventory Management	3
RTMG202	Risk Management	3
RTMG203	Commercial Safety	3
RTMG204	Finance Fundamentals	3
Total Semester Hours		18

Undergraduate Certificate - Security Management

The undergraduate certificate in Security Management focuses on the principles and theories associated with various types of security, from physical security to security administration that focuses on the protection of assets. Many organizations need experienced security managers, security guards, and security officers to protect businesses' assets and to proactively prevent internal or external attacks. Field work in the areas of executive protection and recovery, trade secret protection, background investigations, surveillance, IT security, and cybersecurity are but a few choices available in the security management field. This online certificate is intended for undergraduate students who want to expand their knowledge of security management without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate knowledge of the basic terms in security management and its theories.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Explain the basic procedures and rules of personnel security and the specialized terms associated with information security.
- Draw conclusions about the role a security leadership has in establishing the foundation of private security programs.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Evaluate and use a methodology of quality assurance including the merits of a performance-based standards approach towards total asset protection.
- Draw conclusions about a value added contribution in the world of tangible and intangible assets.
- Detect how corporate security managers can effectively communicate strategic security issues and actions to other business departments and managers.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		18

Undergraduate Certificate - Space Studies

The undergraduate certificate in Space Studies looks at spaceflight history, space policy, and planetary exploration. This online certificate also surveys the government and industry participants from the space race starting in the '60s through today. The curriculum for this online certificate was originally designed by former NASA astronaut and Dean of Science and Technology Dr. James Reilly, veteran of three shuttle missions and five spacewalks. You will have the opportunity to learn from leading practitioners working in national and private space, aerospace, and related organizations. This certificate is intended for undergraduate students who want to expand their knowledge of space studies without committing to one of our space studies degree programs.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the principles of manned and unmanned flight, both within and outside of Earth's atmosphere.
- Categorize the history of space exploration, from early rocketry efforts to the International Space Station and beyond.

- Analyze space policies including the cooperation / diplomacy between various space faring nations.
- Diagram the history of planetary and space exploration, with emphasis on the role of unmanned and manned spacecraft.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3
SPST203	History of Space Flight	3
SPST307	Space Policy	3
SPST435	Planetary and Space Exploration	3
Total Semester Hours		18

Undergraduate Certificate - Strategic Leadership

The undergraduate certificate in Strategic Leadership is a concentrated program designed to help you develop the skills needed for effective leadership and workforce management. Topics include leadership, motivation, performance management, information systems, organizational change, and staffing. This online program is suited to undergraduate business or management students who want to improve their leadership abilities for use in different organizations.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Construct a strategic plan of staffing requirements for a new initiative that an organization has undertaken.
- Prepare a performance management appraisal for a direct report.
- Produce an icebreaker that can be introduced at a departmental meeting in an effort to promote unity among the team and establish a healthy culture in the work environment.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT415	Human Resource Management Information Systems	3
HRMT419	Recruitment and Staffing	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
MGMT410	Strategic Management	3
Total Semester Hours		18

Undergraduate Certificate - Sustainability

The undergraduate certificate in Sustainability offers you the opportunity to study resource and energy use and policy, emerging renewable energy technologies, and the societal and economic barriers to implementation of sustainable practices. You will also develop your ability to plan and implement integrated, practical solutions that ultimately contribute to national and global resource conservation. This online certificate is intended for undergraduate students who want to expand their knowledge of sustainability without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP418	Green Infrastructure and Renewable Technologies	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

Undergraduate Certificate - Technical Management

The undergraduate certificate in Technical Management examines management and business functions through an analytical approach. You will focus on concepts and the latest technologies, which will assist you in developing more technical expertise in design, development, and integration of systems. Courses completed in this certificate program can be directly applied toward the associate degree or bachelor's degree in technical management.

Note: This program does not qualify for Federal Student Aid.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine leadership and motivational models, theories, and concepts as they relate to developing a healthy culture and successful workforce within a technical environment.
- Evaluate complex developmental concepts and latest technologies.
- Develop technical expertise in design, development, and integration of systems.
- Analyze and interpret data obtained via analytical approaches.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
BUSN250	Analytics I	3
BUSN311	Law and Ethics in the Business Environment	3
EDMG220	Emergency Planning	3
MGMT312	Leadership & Motivation	3
Total Semester Hours		18

Undergraduate Certificate - Terrorism Studies

The online undergraduate certificate in Terrorism Studies provides an overview of various terrorist groups, their histories, and their objectives. This 6-course certificate of study teaches how to define the causes and effects of terrorism and how to interpret religious and political motivations that spark violent attacks. In addition, you'll learn analytical methods, predictive tools, and effective procedures on how best to deter or protect against potential threats. Terrorist incidents occur through various online and offline channels, making protecting people and organizational assets a top priority for many organizations. In order to mitigate terror escalations and prepare for emerging dangers, many professionals in the intelligence and public safety communities are expanding their knowledge and skills through education. This online certificate is designed to support these educational goals.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Investigate the causes and support mechanisms of international and domestic terrorism.
- Examine the history of terrorism and its fundamental variations: domestic; trans-national; state-conducted; state-aided, and independent.
- Employ indication and warning and predictive intelligence methods to forecast pending terrorist attacks.
- Examine effective methods of counter terrorism, response to reduce the effects locally, nationally, and globally.
- Explore the ideological forces behind terrorism and provide an overview of terrorist groups and their intimidation and fear tactics.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
Select 6 courses from the following:		18
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
INTL440	Cyber Warfare	
INTL450	Terrorism and Counterterrorism	
INTL451	Terrorism and U.S. National Security	
INTL453	Illicit Finance	
INTL454	Forecasting Terrorism	
Total Semester Hours		18

Undergraduate Certificate - United Nations

The undergraduate certificate in United Nations is designed to improve your knowledge of the United Nations and its global role in conflicts, mediation, diplomacy, peacekeeping, and international law. Knowledge gained from this online certificate program is applicable for careers at the U.N. or other federal agencies, international organizations, and non-governmental organizations providing peacekeeping operations or humanitarian assistance.

Completion of this program may lead to eligibility for a certificate of completion from the Peace Operations Training Institute. Visit the POTI website (http://www.peaceopstraining.org) for more information.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Comprehend the theory and politics of conflict, war, mediation, and diplomatic negotiations.
- Evaluate the potential for conflict in a country or region.
- Assess the rationale for negotiation and the lifecycle of a conflict situation.
- Explain the various approaches toward United Nations peace operations
- Evaluate the development of multiparty mediation and assess the benefits and drawbacks of such an approach.
- Analyze the complexity and limitations of negotiating across cultures and diverse groups.
- Describe the distinct nature of conflict in the post-Cold War era.

Certificate Requirements (24 semester hours)

Code	Title	Semester Hours
Select 8 courses from the following:		24
IRLS210	International Relations I	
IRLS301	International Organizations	
IRLS402	International Law and Regimes	
INTL451	Terrorism and U.S. National Security	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
IRLS417	International Civil Order	
MILH422	History of Peacekeeping: 1988-Present	
Total Semester Hours		24

Undergraduate Certificate - Visual Basic Application Development

The undergraduate certificate in Visual Basic Application Development focuses on the principles and practices necessary to design, develop, and deploy Web applications using the Visual Basic interactive development environment (IDE). You'll learn to apply Visual Basic applications for real-world environments while focusing on object-oriented programming languages and frameworks. The skills you'll learn from this online certificate will be useful in many organizations that require the creation of custom programs to fulfill business objectives such as accurate data analysis and productivity improvement. This certificate program is intended for undergraduate students who seek to heighten their knowledge of Visual Basic application development without committing to an academic degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Discuss the impact of the .NET framework on IT Management, Security, and Global Economies as it applies to enterprise ecommerce solutions on the Web.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic and ASP Web applications.
- Differentiate between traditional programming and event-driven programming and also between traditional programming and object oriented programming (OOP); examine the application of OOP in the Visual Basic IDE.
- Appraise the features, functionality, power, and advantages of Visual Basic.NET that have made it a viable tool for Web site design, development, deployment, and management.
- Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.
- Assess the provisions in VB.NET for performing component-based programming, exception handling, and interface-based programming; also assess their impact on IT Management.
- Discuss the architecture, advantages, and functionality of both ADO.NET and the Active-X component architecture; also explain the concept of connection pooling.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD261	Scripting Languages for the Administrator	3
ENTD361	Enterprise Development Using VB.NET: Introduction	3
ENTD461	Enterprise Development Using VB.NET: Advanced	3
ENTD462	Enterprise Development Using ASP.NET	3
WEBD241	Web Development Using JavaScript	3
Total Semester Hours		18

Undergraduate Certificate - Visual Communications

The undergraduate certificate in Visual Communications introduces you to the basic fundamentals of graphic design, animation, image manipulation, image enhancement, and image storage. You'll learn how to design, develop, and deploy moving text and graphics to create dynamic and interactive digital experiences. This online program also provides an introduction to website design and development to help you obtain a well-rounded set of visual design skills. This certificate program is intended for undergraduate students who seek to heighten their knowledge of visual communication without committing to an academic degree program.

This hands-on program covers the Site Development Associate curriculum and the Web Design curriculum of the CIW Web Foundations Associate certification. After completing this certificate, you may consider pursuing your CIW Web Design Specialist certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Discuss the purpose and usage of smart objects, layers and vectors in editing, also differentiate between a raster image and a vector image; also detail the layer concepts of hiding, linking, and setting layer styles.
- Detail the capabilities of Adobe Photoshop as a tool for editing and restoring digital images; also describe the process for enhance digital images by manipulating sharpness, color, contrast, hue, brightness and resolution.
- Appraise the principles and concepts of effective design for organizing information, performing site design, and determining the navigation structure.
- Assess the principles for designing Web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Compare and contrast the various image file formats on the Web, including GIF, JPG, PNG, and SVG.
- Assess the utility of Adobe Flash technology in streaming animations on Web sites; also assess the use of tweens, anchors, guides, and onions skins to develop Web animations.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
DSIN141	Image Enhancement using Adobe Photoshop	3
DSIN143	Design Using Adobe InDesign	3
DSIN241	Illustration & Design Using Adobe Illustrator	3
WEBD121	Web Development Fundamentals	3
WEBD221	Intermediate Web Development	3
WEBD300	User Interface Design	3
Total Semester Hours		18

Undergraduate Certificate - Weapons of Mass Destruction Preparedness

The undergraduate certificate in Weapons of Mass Destruction Preparedness is a concentrated program within the discipline of homeland security. You will study the various weapons of mass destruction, incident command, regulatory issues, and consequence management. You'll also look at the psychological and behavioral perspectives of terrorism, along with chemical, biological, and radiological hazards. Skilled and knowledgeable individuals are needed in many organizations to combat potential terrorist threats and protect people and organizational assets. This online certificate is intended for undergraduate students who want to expand their knowledge of weapons of mass destruction without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the threat posed to society by chemical, biologic, radiological and nuclear (CBRN) weapons.
- Name the state and non-state actors most likely to obtain weapons of mass destruction.
- Identify the motivation, ease and constraints on both state and non-state actors in acquiring CBRN weapons.
- Describe countermeasures available to US agencies fighting terrorism.
- Determine the role of the federal government in disaster response.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS305	Private Sector Homeland Security	3
HLSS312	Port Security	3
Total Semester Hours		18

Undergraduate Certificate - Web 2.0

The undergraduate certificate in Web 2.0 surveys the concepts, tools, and best practices used to build websites, blogs, forums, discussion boards, online communities, and wikis. You will review the various methods of posting information from blogs into webpages using RSS and Atom techniques, and will examine how Web 2.0 has increased global communication, information sharing, and business success in many industries. Prior experience with scripting languages such as JavaScript is recommended.

After completing this certificate, you may consider pursuing your CIW JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web; also differentiate between the technologies, practices, and management issues in Web 1.0 and Web 2.0.
- Appraise the trends and the potential of Web 2.0.
- Profile the tools for building blogs, wikis, forums, discussion boards, and other Web 2.0 technologies.
- Design blogs using Web 2.0 tools for blogging, photo sharing, and social networking.
- Evaluate the principles and practices to manage the users of Web 2.0 tools and technologies.
- Analyze social networking and examine its impact on business processes and relationships.
- Assess the psychological and sociological aspects of Web 2.0.
- Appraise marketing and branding concepts in relation to Web 2.0.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD220	Web 2.0 Fundamentals	3
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript	3
WEBD300	User Interface Design	3
Total Semester Hours		18

Undergraduate Certificate - Web Publishing

The undergraduate certificate in Web Publishing provides hands-on experience with layout, navigation, graphics, HTML, CSS, JavaScript, Dreamweaver, coding, and multimedia as you learn to create compelling websites. You'll explore readability, interactivity, accessibility, and usability while learning to use design elements that enhance website performance. Knowledge gained from this degree program is useful in almost any industry, as most organizations today need in-house web designers, developers, or managers.

This program covers the Internet Business Foundations curriculum of the CIW Foundations certification. After completing this certificate, you may consider pursuing your CIW JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Appraise the process for setting up a web site and establish criteria to evaluate and select a Web Presence Provider (Internet Service Provider (ISP) to host the web site and provide the services required.
- Evaluate the impact of JavaScript, XHTML, DHTML, and FrontPage on Information Technology Management and on the evolution of the Web.
- Examine the use of Cascading Style Sheets (CSS) to develop a portable format for standardizing the look and feel across multiple web pages and browsers.
- Analyze the process for designing, developing, and deploying websites using JavaScript, XHTML, DHTML, and FrontPage (an integrated Development environment); apply this knowledge to design, develop, and deploy a multi-page web site.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD221	Intermediate Web Development	3
WEBD222	Advanced Web Analytics	3
WEBD241	Web Development Using JavaScript	3
WEBD311	Internet Concepts	3
Total Semester Hours		18

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Accounting (ACCT)

ACCT100 Accounting I (3 semester hours)
Introduction to the purposes of financial accounting statements and the recognition, measurement, and disclosure concepts and methods underlying financial statements. The course focus is on using and interpreting financial statements and on understanding the impact of transactions on assets, liabilities, revenues, and expenses. Prerequisite: MATH110.

ACCT101 Accounting II (3 semester hours)
A continuation of Accounting I, this course includes study of managerial concepts, analysis of financial statements, internal controls, and contemporary accounting standards, practices, and issues. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100).

ACCT105 Accounting for Non Accounting Majors (3 semester hours)
This course is an overview of accounting concepts used by managers in abusiness environment intended for non-accounting majors with no accounting background. Topics includeaccounting concepts, users of accounting information, elements and purpose of financial statements, accrualaccounting, internal control and basic financial analysis. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT202 Introduction to Payroll (3 semester hours)
This course provides a foundation in payroll accounting, administration, and management. Learn to complete payroll calculations for earnings, taxes, and withholdings; maintain personnel records; and analyze payroll transactions. This course is intended for accounting students and professionals with a need to understand payroll basics. Prerequisite: ACCT100.

ACCT300 Financial Accounting (3 semester hours)
As study of financial accounting to expose the student to a wide range of accounting topics. Topics include generally accepted accounting principles, assets and liabilities, debits and credits, accrual and cash based accounting, merchandising and inventory, the accounting cycle, internal controls, capital stock, income reporting, liabilities, cash flow, budgeting, planning and control. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100)

ACCT301 Intermediate Accounting I (3 semester hours)
This course examines the accounting process including the adoption of the International Accounting standards (IAS) and reporting of financial reporting (e.g., balance sheet, income statement, and statement of cash flows). Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT302 Intermediate Accounting II (3 semester hours)
Students will study accounting theory and practices associated with corporate accounting issues of pensions, leases, bonds, and investments and earnings per share. Students will also study the effects of time value of money and how it applies to business decisions. An in-depth analysis of liabilities, stockholder's equity, and accounting changes and errors analysis are also reviewed in this course. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT301)

ACCT303 Intermediate Accounting III (3 semester hours)
A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT302)

ACCT305 Accounting Information Systems (3 semester hours)
This course applies the practical application of accrual-basis accounting through the use of accounting software. Students will gain experience in integrated software designed to handle general ledger, accounts payable, accounts receivable, financial statement analysis, fixed assets, sales order processing, inventory, and payroll. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT400 Auditing (3 semester hours)
This course examines the role of the auditor in a global business environment. The course covers the scope of auditing, the rules governing the professional ethics of the Certified Public Accountant, the auditing process, and the legal liabilities and responsibilities of an auditor. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT401 Cost Accounting (3 semester hours)
Cost accounting identifies the essential data to managers regarding planning and controlling, costing products and services, and customers. The student studies the basic concepts, analyses, uses, and procedures related to types of costs and costing systems. This course will concentrate on examination of the concepts, theories, principles, and practices of cost accounting. Students will develop quantitative and qualitative methods for analyzing raw data that support the business decision-making process and inventory costing. Prerequisite: ACCT101 and MATH225.

ACCT406 Managerial/Cost Accounting (3 semester hours)
Students will analyze how internal accounting information can be used to support management in planning and controlling business activities. Topics covered range from (analysis of) financial statement analysis, job order cost systems, cost-volume-profit analysis, budgeting, performance evaluation using standard costs, differential analysis, and product pricing. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT410 Governmental and Not-for-Profit Accounting (3 semester hours)
This course emphasizes the accounting principles and reporting requirements for government units and not-for-profit entities. Topics include the accounting cycle, budgeting and fund accounting, and accounting for state and local governments, colleges and universities, and for not-for-profit organizations. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite ACCT101)

ACCT415 Law for Accountants (3 semester hours)
To develop a sound understanding of the nature of law and an appreciation of the role of law within which an Accountant operates. A study of an area of law of particular importance to business, including contracts, sales, negotiable instruments, secured transactions, agency, partnerships, and corporations.Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT420 Individual Federal Taxes (3 semester hours)
Students will be introduced to procedures for analyzing tax information on an individual federal tax basis. The following material will be covered in this course: analysis of gross income, income exclusions, adjusted gross income, deductions, exemptions, and credits. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT499 Senior Seminar in Accounting (3 semester hours)
The Capstone course is a senior level course designed to allow the student toreview, analyze, and integrate the work the student has completed toward a degree in Accounting. The studentswill examine a number of real-world cases that relate to auditing and accounting issues, and students willprepare an approved academic project or paper that demonstrates mastery of their program of study in ameaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students must complete ALL Core and Major courses prior to this course. Students must have access to Microsoft Word and Microsoft Excel software. Prerequisite: Completion of a minimum of 106 hours towards your program.

Business (ANLY)

ANLY460 Applied Analytics I (3 semester hours)

This course is designed to provide an understanding of the basics of applied analytics based on principals starting from descriptive statistics, probability, distributions, and hypothesis testing; where sums, counts, frequencies, measures, and probabilities of collected data and occurrences, past or current, are used effectively to support reactive or corrective decisions either on real time or for the future. This course covers using Excel add-in for data analysis as a tool to create, manipulate, and report descriptive analytics outcomes for decision-making.

ANLY461 Applied Analytics II (3 semester hours)

This course further integrates applied business analytics. It continues the examination of the role of statistics and analytics techniques in the interpretation and findings of nonparametric test of hypothesis, analysis of variance ANOVA, correlation, and regression analysis. After completing this course, students are expected to understand diagnosing factors affecting a problem, variables involved, relationships among business variables, and how to generate a prediction model. PREREQUISITE: ANLY460.

ANLY462 Applied Analytics III (3 semester hours)

This course covers deeper elements of applied analytics techniques used to identify sources of variation causing business problems, how to design experiments to explore interactions, as well as techniques used to model relationship of business variables as well as quality control. It additionally includes applied tools to predict the future using time series analysis and seasonal forecasting. It integrates statistical analysis and visualization with applied problems. PREREQUISITE: ANLY461.

ANLY499 Analytics Senior Seminar (6 semester hours)

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in analytics. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. PREREQUISITE: Students may only take this course after the completion of all CORE courses.

Business (BUSN)

BUSN100 Basics of Business (3 semester hours)
This course is designed to acquaint the student with the terminology, organization, and function of the American business system. The course will give the student a broad background about the contemporary American and global business environments as well as considering different business organizations, management principles and strategies. Topics covered include marketing, finance, personnel, customer relations, production and operations, e-business, world trade ventures, internal information systems and decision-making processes.

BUSN120 Real Estate Principles (3 semester hours)
This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

BUSN121 Real Estate Practice (3 semester hours)
This course provides an introduction to real estate from an operations viewpoint. Students will have the opportunity to discuss and review terminology, concepts and best practices on how to manage the basic functions within the real estate industry. Topics will include structure of leases, real estate development, negotiations, marketing, and other issues associated with the real estate practice.

BUSN220 Real Estate Finance (3 semester hours)
This course is an investigation of institutions, instruments, and structures by which investment in real estate is financed. It reviews capital markets, the sources and use of real estate funds, and the role of government in real estate finance. The course also covers technical skills involved in real estate finance, to include risk analysis, portfolio theory and management, REITs, and capital market trends.

BUSN221 Real Estate Appraisal (3 semester hours)
This course examines property rights and their valuations. Students will have the opportunity to discuss and review terminology, concepts, and best practices on the factors affecting the value of property rights as they relate to general economic theory and the real estate process. Topics will include real estate appraisal methods, valuation of residential and income producing property, influences on market value, and trends in the appraisal industry.

BUSN222 Real Estate Property Management (3 semester hours)
This course explores the role and major functions of the property manager. Students will have the opportunity to discuss and review terminology, concepts, and best practices for landlord policies, operational guidelines, leases and lease negotiations, tenant relations, habitability laws and the Fair Housing Act. Topics will include the impact of electronic technology on the industry and fair housing regulations.

BUSN235 Personal Finance (3 semester hours)
This course addresses the fundamentals of personal finance. Students will develop an understanding of the financial world and how it directly affects their life on a day to day basis as well as planning for their long term fiscal security. Topics include money management, consumer credit, home financing, insurance, and investing.

BUSN250 Analytics I (3 semester hours)
This course is designed to provide a foundational knowledge in analytics, and how it is used in business to strengthen the decision-making process. As technology has changed the landscape of business processes, it has also created a necessity for decision-makers to have the ability to use various tools to create, manipulate, and report data. Students will learn operational statistical theories, software options to work with data, and begin to integrate concepts into objective decision-making.

BUSN299 Applied Business Solutions (3 semester hours)
This course is an integrated-based approach to task-based, business problem-solving using various technology solutions such as productivity software products, the Internet, and free applications. Students will be challenged to use appropriate technology skill sets, while also learning additional skills working on real world business projects. Students will complete the course with an e-portfolio of their work, which can in turn be used in the job search process. (Prerequisite: ENGL225 and ITCC111 or ITCC112)

BUSN310 Business Theory (3 semester hours)
This course provides an understanding of the corporation, each of the business functions (to include accounting, finance, marketing, technology, management, and planning), and the relations between and among functions in the operation of the firm.

BUSN311 Law and Ethics in the Business Environment (3 semester hours)
This course develops skills for inquiry into the business environment from a legal and ethical perspective. Students explore the relationships between modern business and the environment, in addition to the ethical issues that arise when diverse interests intersect. Relevant topics will include contracts, commercial law (sales, secured transactions and creditors remedies), forms of business entities (including limited liability companies and corporations), agency, employer-employee relationships, real property concepts, bankruptcy, and negligence and strict liability concepts. Students will examine corporate governance and business ethics, with emphasis on case studies.

BUSN312 Operations Research (3 semester hours)
This course introduces Operations Research and includes the application of operations research and management science techniques to management decision problems. Operations research techniques and methods can be applied to problems in virtually all-functional areas of business including accounting, finance, marketing, production and human resources. Examples from each of these areas will be covered during the course. A feature of the course is that Microsoft Excel is used to implement some of the techniques covered. This means that you will become proficient in using Excel; the most widely used electronic spreadsheet in business today. (Prerequisite: MATH110, MATH111 or MATH225)

BUSN313 Global and Competitive Strategy (3 semester hours)
This course is concerned with the formulation and analysis of business strategy. Business strategy is the set of objectives and policies that collectively determine how a business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of a business, evaluating business strategies, and identifying and analyzing specific business options.

BUSN316 Fundamentals of Entrepreneurship (3 semester hours)
This course focuses on the actual tasks and activities of the entrepreneur-from researching venture feasibility, to launching the venture,to managing growth. Covered are descriptions of real entrepreneurs in action, facing thechallenges that entrepreneurs must deal with, and making good and even some not-so-good decisions. This study relates the excitement of theentrepreneurial adventure.

BUSN318 Small Business Management (3 semester hours)
This course focuses on the unique aspects facing the small business, to include issues of strategy, marketing, personnel, operations, profitability, surviving in the market, financing, among other issues. Resource constraints are covered as a major topic.

BUSN320 Principles of E Business (3 semester hours)
This course is a study of the fundamental principles of e-business. Students will learn how to build a successful e-business operation with step-by-step guidance for writing an e-business plan and simplified guidance for the development and management of a start-up customer focused website. Students will select an e-business of their choice and, using worksheets from their textbooks, follow a step-by-step process to develop eight sections of the e-business plan: business description, product and services, marketplace analysis, marketing planning, management and organization, operations, business location and equipment, and financial plans. Students will integrate basic start-up web site design plans and concepts into their e-business plan. The major objective of this course is for every student to apply the principles of e-business, e-marketing and basic website design and develop an e-business plan for immediate application or for future reference.

BUSN330 Fundamentals of Business Analysis I (3 semester hours)
This course explores the use of standard spreadsheets and historical data for developing and organizing data into lists, creating tables and charts from the data, and utilizing basic formulas to understand summaries of the data. Students will develop skills with analyzing business data utilizing Microsoft Excel, a standard spreadsheet tool, in order to draw conclusions regarding historical data.

BUSN331 Fundamentals of Business Analysis II (3 semester hours)
This course explores the use of Relational Databases to analyze business data, create queries regarding specific areas of interest, and generate reports regarding trends. Students will develop skills utilizing Microsoft Access, a relational database, to demonstrate proficiency in manipulating database elements of interest to a business.

BUSN332 Business Use Cases (3 semester hours)
The course provides practical knowledge in documenting user business functions. Students learn how to document business functions in user's scenarios, develop use cases, and the application of use cases into the development life cycle activities.

BUSN333 Project Management for Business Analysts (3 semester hours)
This course focuses on project requirements as the basis for managing development life cycles. Students learn to define project cycle time, measure and estimate project efforts, and set priorities.

BUSN334 Strategic Alignment in Business Analysis (3 semester hours)

This course applies the database and spreadsheet manipulation, analysis, and reporting skillsets developed in BUSN330 and BUSN331. Both spreadsheets and databases will be utilized in case study scenarios that include historical data. The objective of this course is to further develop a student's skills at organizing, analyzing, summarizing, and reporting areas of interest within a company's historical data. (Prerequisite: BUSN330 and BUSN331)

BUSN350 Analytics II (3 semester hours)

This course is designed to provide a intermediate knowledge in analytics, and how it is used in business to strengthen the decision-making process. Students will focus on managerial level of statistical methods, advanced Excel functionality, and continue to work on applying concept to strengthen the ability to integrate concepts into objective decision-making processes. (Prerequisite: BUSN250)

BUSN410 Critical Thinking Strategies for Business Decisions (3 semester hours)

This course provides students opportunities for analysis, synthesis, and application of critical thinking applied to decision making at all levels in an organization. This course equips students with critical thinking skills to identify problems utilizing rational decision making. Students learn to solve organizational problems and provide strategic direction based on critical thinking.

BUSN412 Quality Management Systems (3 semester hours)

This course examines quality management and views quality as a systematic process leading to customer satisfaction. The course covers methodologies that will aid managers in implementing and assuring an organization's quality system is effectively meeting the organization's business goals.

BUSN415 Small Business Growth and Development (3 semester hours)

This course is designed to prepare you to take a small business from the startup stage to the growth stage. This step is often a huge leap for businesses and requires special skills and management approaches. This course will focus on organizing for growth, intensive marketing for growth, creating growth strategies, and financing growth.

BUSN419 International Business Management (3 semester hours)

This course focuses on the organization, management strategies, and essential operations of international business and cross cultural management. It provides a managerial perspective and a framework of analysis for examining the similarities and differences in the philosophy and practices of management around the world. Topics include the methods and importance of effective strategic planning when organizing and administering international marketing, finance, and human resource management areas toward efficient business, government, and global market relationships. By focusing on the analysis of national and organizational cultures and the impact of individual behaviors, the course gives a strong basis for managers to successfully manage in different countries and different populations.

BUSN450 Advanced Analytics (3 semester hours)

This course is designed to lead students through various projects and business problem scenarios to enable them to apply concepts learned to quantify elements of alternative elimination, assess data pertinent to the overall decision-making process, and to gain and understanding of the different business functions and how data is used differently in each area. This course requires Microsoft Excel 2010 or higher. (Prerequisite: BUSN350)

BUSN490 Business Administration Independent Study (3 semester hours)

An opportunity for Business Administration students to pursue an independent research project or examine a specific area of Business Administration under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. This course will require students to produce a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

BUSN499 Senior Seminar in Business Administration (3 semester hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Business Administration. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Completion of a minimum of 106 hours towards your program. NOTE: THIS COURSE MAY REQUIRE USE OF ADOBE CREATIVE CLOUD ON YOUR COMPUTER OR OTHER DEVICE.

Business (ECON)

ECON101 Microeconomics (3 semester hours)
Microeconomics is an overview course that covers how households (consumers), firms (producers), and governments interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON102 Macroeconomics (3 semester hours)
Introduction to Macroeconomics is a survey course that builds on the topics covered and skills developed in ECON101 (Microeconomics) in order to present a complete picture of the economy. Macroeconomics shows how consumers and markets fit into the overall or aggregated economy and provides a framework to assess government policies. Key topics covered will include economic cycles (growth and recession), economic indicators and measures and interest rates and money supply.

ECON201 Microeconomics for Business (3 semester hours)
Microeconomics for Business is an overview course that covers how microeconomics impacts business operations and the strategic management of the organization. Households (consumers), firms (producers), and governments are examined to assess how they interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON202 Macroeconomics for Business (3 semester hours)
Macroeconomics for Business is an overview course that covers how macroeconomics impacts business operations and the strategic management of the organization. An introduction to the principles and tools of macroeconomic analysis is provided. Macroeconomics for Business investigates the main topics of the overall economy including Gross Domestic Product, inflation, unemployment, economic growth, recession, monetary policy and fiscal policy. We use these theories and concepts to examine the role of the government in our economy and how government makes choices.

ECON301 Comparative Economics (3 semester hours)
This course analyzes the main economic systems operating today and their effect on international trade policies. Students will compares economic internal growth in centrally planned, mixed, and capitalist economics. Analyzes the performance of various economic systems in today's global economy and discusses important problems and issues of economic transition. Compares the basic theories of economic systems and various models of economic transition.

ECON302 Environmental Economics (3 semester hours)
This course explores environmental economic theory and the relationship between market activity and the environment. The course emphasizes the use of economic analytical tools, such as market models, benefit-cost analysis, and risk analysis to assess environmental problems and to evaluate economic policy solutions.

ECON303 International Economics (3 semester hours)
This course provides a comprehensive account of the theory and practice of international trade and international monetary relations. Emphasizes is place on modern trade theory and applications, trade policies and arrangements, and international factor movements. Topics include international financial relations, including the balance of payments, exchange rate determination and regimes, international economic policy, and international banking.

ECON304 Monetary Economics (3 semester hours)
This course analyzes money and banking, the US and world financial markets, the role of the central bank, and monetary policies. Topics include principles and issues in money and banking, the nature and functions of money, financial institutions and markets, banking structures, and regulations.

Business (ENTR)

ENTR150 Idea Generation (3 semester hours)
The act of being an entrepreneur is taking an idea and turning it into reality. There are two types of entrepreneurs - those that have a myriad of ideas and those that can't think of one idea. This course, Idea generation, is dedicated to helping the student identify opportunities for a new business venture by either deciding on one idea they have or helping to create ideas. The course starts with recognizing various ways to come up with a new idea and ends with outlining a plan to take the idea to reality.

ENTR200 Leadership in Small Business Ventures (3 semester hours)
This course outlines appropriate processes to evaluate potential employees. This course was designed and developed to guide students through recruiting, advertisement planning, and hiring the most qualified applicants. Students research comparable pay rates and the cost of compensation for employees, learn of the most effective methods for motivating employees, and learn about employment law.

ENTR210 Entrepreneurs as Leaders (3 semester hours)
Entrepreneurs face unique leadership challenges, especially with a new venture. This course provides the entrepreneur with the necessary tools and frameworks for creating strategy, building companies, and assembling human capital with limited resources. This course also explains the ethical challenges in a start-up venture.

ENTR215 Innovation Design and Prototyping (3 semester hours)
This course goes through the different stages of product development. When developing a product, it's important to be specific about a product's attributes and that the entrepreneur differentiates it from others. Different approaches exist, such as revolutionary and evolutionary, for product development. An entrepreneur may even start with one approach and then change to a different approach as the venture moves forward. To aid the student, perceptual mapping is used, which helps to define a market, the benefits, price, and position.(Prerequisite: ENTR150)

ENTR216 Service Innovation and Delivery (3 semester hours)
This course focuses on opportunities and problems encountered in the service sector as entrepreneurs seek to accomplish growth in their service businesses. Topics explored include selecting resources to support service businesses, motivating employees in the service sector and developing a control system to offer an efficient and effective service product to your market. Students develop a market analysis of the needs and wants matrix for the service market.

ENTR300 Foundations of Entrepreneurship (3 semester hours)
This course studies the foundations of entrepreneurship through the context of innovation, entrepreneurial processes and concepts, and ethical decision-making. By studying how different decisions result in different outcomes and by understanding the unique strategic requirements of a venture, this course investigates entrepreneurship and the creation of new ventures. Students learn the basic theories used to explain and understand entrepreneurial activity, which prepare them to plan a new business opportunity.

ENTR310 The Family Owned Business (3 semester hours)
As The Family Owned Business is introduced, students learn what differentiates this type of business and the characteristics that make family owned firms different from other business environments. The entrepreneur who takes over the family business will have innovative ideas to enhance the business. This brings complexity and challenges as an entrepreneur and this course explores some of those while also constructing effective strategies.

ENTR311 Business Plan Foundations (3 semester hours)
This course focuses on the essential framework and first steps towards the student's objective of an entrepreneurial opportunity. The first portion of the course focuses on a framework for your business plan. The remainder course topics center on business plan elements, such as competition, marketing, operations, and other issues essential to the delivery of a business plan. In this course, the student begins the process of writing a business plan, which will be used and updated throughout the program. (Prerequisite: ENTR150 and ENTR215 and ENTR300)

ENTR312 Social Entrepreneurship (3 semester hours)
Social entrepreneurship is a growing movement for entrepreneurship. Social entrepreneurship scans society and identifies social problems; the entrepreneur then solves that problem/need by creating a solution that benefits society. Because of this, Social Entrepreneurship has since become the new trend for aspiring entrepreneurs to start their entrepreneurial ventures. According to a survey of 1,000 social entrepreneurs (conducted by Un.Ltd. research team), they impact health and well-being, community cohesion, promote personal development, and create training and skills development. Further, the research indicated 40% of social entrepreneurs held a degree.

ENTR313 Non-Profit Entrepreneurship (3 semester hours)
Non-profit entrepreneurship continues to thrive in the 21st century in most major and minor industries. Topics include trustee's responsibilities, trustee recruitment/termination/development, financing structure, fundraising, financial management, and strategic planning.

ENTR315 Financing a New Venture (3 semester hours)
This course studies the financial strategies needed to support a new venture. The student investigates sources of funding and analyzes investment strategies unique to the start-up. This course helps students to develop the conceptual framework to determine a wide variety of ethical and financial problems related to launching the entrepreneurial venture. Topics addressed include financial statements, pro forma statements, cost of capital, break-even, financial ratios, investor expectations, and exit strategies. Spreadsheet software is used in this course.

ENTR320 Practical Law for the Entrepreneur (3 semester hours)
This course covers many of the legal aspects of starting a new business venture including business entity selection and formation, employment law, intellectual property, taxation, and business transactions. (Prerequisite: ENTR311)

ENTR340 Small Business Customer Service (3 semester hours)
New business owners must be able to retain customers and capture new customers. Whether online or in a physical location customer service is critical to the success of any small business. This course provides students the foundation for service innovation, finding opportunities for service innovation, and exploring customer "jobs." In addition, this course focuses on determining what your customer is trying to accomplish, not what you are offering. This is crucial to implement a quality service culture.

ENTR410 Money Management for Entrepreneurs (3 semester hours)
This course provides detailed budgeting and money management tools to start and grow a new venture. Many entrepreneurs have charismatic leadership and vision, but underestimate the importance of the ability to manage the money coming and going out of the organization. Cash deficits can cripple a company, so it is imperative entrepreneurs understand the drivers of good cash flow and strong profitability. This course enables the student entrepreneur to gain practical knowledge with the cash flow statement, forecasting, pro forma statements, profit and profitability, break-even, budgeting, and working capital. NOTE: This course uses spreadsheet software. (Prerequisite: ACCT105 and ENTR311)

ENTR415 Marketing the Successful Small Business (3 semester hours)
This course covers the intricate details of marketing a small business, from developing a marketing strategy and planning, to implementing digital media and traditional tactics. The student addresses many marketing issues that face small businesses, such as value proposition, Go-to-Market strategy, unique selling proposition, integrated marketing communication, and marketing messages. Key topics covered are marketing strategy, market research, segmentation and target markets, competitive analysis, advertising, and how to leverage a marketing budget for optimum results. (Prerequisite: ENTR311)

ENTR416 Innovative Marketing (3 semester hours)
Innovative marketing provides a conceptual and applications-oriented framework for marketing decision-making in an entrepreneurial environment. This course emphasizes satisfying target customers and achieving organizational objectives through skillful blending of strategies of key marketing concepts and principles for entrepreneurs.(Prerequisite: ENTR311)

ENTR420 Social Media to Grow Small Business (3 semester hours)
This course explores the benefits and challenges of using social media and other online marketing techniques. Part of the focus throughout the course is seeing how different marketing tools and strategies can enhance presence in the market for a small business. Students learn how to leverage social media to enhance branding and marketing strategies and customer relations. It is recommended the student have completed ENTR415.

ENTR421 The Value of Networking (3 semester hours)
Networking is a valuable skill for anyone, but it is especially critical for the entrepreneur. The entrepreneur must put themselves "out there" and develop business relationships. There is an art and skill to networking and this course unlocks the psychology of networking. Entrepreneurs in this course also begin structuring and maintaining their network.

ENTR425 Operating a Small Business (3 semester hours)
This is a critical operations course integrating Excel (or equivalent spreadsheet software) to formulate crucial numbers. Students learn about strategy, budgeting, cash conversion, cash considerations, analyze costs, analyze financial and operating ratios, and plan for internal controls. A working knowledge of spreadsheet software is expected. NOTE: This course uses spreadsheet software. (Prerequisite: ENTR311)

ENTR426 Strategic Growth (3 semester hours)
Managing growth includes leveraging assets at every stage and controlling the risk. This course focuses on areas that are essential to a new venture's growth, including planning, marketing, risk assessment, and financial performance. Students examine the growth opportunities of a venture and structure an experiential growth plan that will provide the greatest impact for their venture. (Prerequisite: ENTR311)

ENTR427 Technological Innovation (3 semester hours)
Creating a new venture offers unique challenges. Indeed, innovation and advances in technology are prevalent, and technological innovation leads to competitive advantage. Students are introduced to the challenges of new technology that include: the complexity of intellectual property and sources of funding. This course includes an application of integrating technology into a venture.

ENTR430 Virtual Small Business (3 semester hours)
This course provides an overview of the elements of e-Business/eCommerce such as strategy, technology, relationships, and related issues to create an online business, build brand presence, and other important aspects of having an online business. The student creates a domain name and selects a website template to create a virtual business.

ENTR498 Entrepreneurship Senior Capstone (3 semester hours)
The Entrepreneurship Capstone Project synthesizes the prerequisite core and elective Entrepreneurship Courses allowing the student to implement the planning document that has been created throughout the program for their venture. The course includes presenting a pitch for the student's venture. (Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment)

Child & Family Development (CHFD)

CHFD101 Professional Careers and Education in Child Family Development (3 semester hours)
This course provides an overview of child and family development as a profession and academic discipline. It focuses on the broader discipline and its specialty areas of study and practice, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting child and family services and professionals in related occupations.

CHFD210 Childhood Educational Development (3 semester hours)
This course examines a variety of developmentally appropriate instructional strategies central to the education of children. Integrating a micro-systemic perspective that takes into account internal and external family dynamics, this course will focus on identifying theoretical and applied solutions to the choice of age-appropriate learning exercises.

CHFD212 Infant and Toddler Programs (3 semester hours)
This course examines the fundamentals of infant and toddler development, including planning and implementing programs in group care. It emphasizes meeting physical, social, emotional, and cognitive needs; scheduling, preparing age-appropriate activities, health and safety policies, record keeping, and reporting to parents.

CHFD215 Introduction to Child Development (3 semester hours)
This course addresses the research and theory of child development from conception through the end of childhood. Topics include the child's emotional, perceptual, and intellectual development, with attention to the social, cultural, and biological context in which children develop. Practical applications of theory and research will be emphasized.

CHFD220 Human Sexuality (3 semester hours)
This course is an overview of the biological, psychological, cultural, and behavioral aspects of human sexuality and family life. The overall theme of the course focuses on attitudes and responsible sexual behavior. Key topics include how culture, society, and history have impacted our understanding of human sexuality.

CHFD225 Introduction to the American Family (3 semester hours)
This course examines the family during modern times. Topics include a diverse range of issues, including single mothers, fathers, disparities among families, childcare and child well-being, cohabitation, and how these trends affect American family life.

CHFD307 Child and Adolescent Development (3 semester hours)
This course is a study of theories, research and practical interventions concerning the psychological development of the child from conception to puberty. Course content focuses on biological, intellectual, emotional and social development, and the dynamics of family, peer, school and other environmental influences.

CHFD308 Infant-Toddler Development (3 semester hours)
This course is an examination of physical, cognitive, emotional and social development in the first 3 years of life. Course topics include developmental milestones, abnormal development and disease, parenting, family dynamics and appropriate care practices and environments from infancy through 36 months of age.

CHFD311 Guidance in Early Childhood (3 semester hours)
This course stresses the need to respect the unique qualities that individual children and their families bring to the early childhood setting. It presents developmentally appropriate guidance strategies that help young children to become responsible, respectful, and productive members of the community.

CHFD312 Special Needs Students (3 semester hours)
This course focuses on theory and practical approaches to understanding and providing accommodations for students with special needs. Students will be presented with an overview of the characteristics of the most prevalent types of disabilities, as well as the laws that protect and best educational practices for children with disabilities. Students will examine the methods to teach, as well as the documents that provide the legal basis for meeting the needs for an appropriate education for this population.

CHFD331 Parenting (3 semester hours)
This course examines factors influencing child rearing practices in families with an emphasis on developing practical skills for working with parents and children. Topics of study include family systems, communication dynamics, blended and culturally diverse families, conflict management, custody concerns, factors supporting healthy child development and resilience, challenges to positive parenting and models for effectively working with parents and youth.

CHFD340 Family Development (3 semester hours)
This course is a study of the dynamics of family interaction over the life cycle. Course content emphasizes the developmental, social, and cultural influences of the family in relation to a variety of personal and social experiences.

CHFD342 Human Life Span Development (3 semester hours)
This course is a survey of human development across the life span. Course content includes terminology, principles, and theories related to genetic and environmental influences on physical, cognitive, emotional and social development.

CHFD348 Marriage and the Family (3 semester hours)
This course guides students through an examination of the major theories and research findings related to healthy and effective marriages and families. Family dynamics associated with marital breakdowns and an introduction to family therapy are included.

CHFD350 Family Life Education (3 semester hours)
The course offers a philosophical and historical perspective on family life education across the lifespan. Practice in curriculum development including content, objectives, and teaching strategies for diverse social groups and settings is stressed.

CHFD360 Family Resource Management (3 semester hours)
The course covers the management of a variety of resources most often found in family systems. Included is the interaction of families with other societal environmental systems in acquiring and using resources to meet goals and other demands.

CHFD411 Child Psychopathology (3 semester hours)
This course focuses on psychopathology in childhood from biological, cognitive, social and emotional perspectives and the assessment and diagnostic tools and treatment approaches used with major childhood disorders. Environmental factors contributing to the development of child psychopathology, including family dysfunction, interpersonal violence and trauma and assessment of risk for child abuse and neglect, drug use and suicide will be examined. (Prerequisite: CHFD307) This course replaces CHFD410.

CHFD415 Children and Stress (3 semester hours)
This course examines historical and current research related to, and practical applications for managing and reducing, childhood stress within home, school and community environments. The effects of separation, divorce, violence, crises and trauma both within and external to the home, and events impacting local and extended communities will be addressed with a prevention and intervention focus.

CHFD445 Family Communications (3 semester hours)
This course emphasizes the role of communications within the family relationship cycle. It examines how individual needs, perceptions, and self-concepts affect the quality of intra - and inter-familial communication, and integrates both theoretical and applied aspects of family research.

CHFD446 Families and Social Action (3 semester hours)
This course is the study of the multidimensional aspects of family law and policy, including child support enforcement, homosexual marriage, and surrogate parenting. Students will analyze case excerpts from court opinions on family policies and laws that apply at the federal, state, and local level.

CHFD498 Senior Seminar in Child and Family Development (3 semester hours)
This course covers major issues within the field of child and family development. Historical underpinnings of theory and practice, factors influencing family function and dysfunction across the lifespan, family education and guidance, law and public policy related to children and families, family resource management, and ethical and professional issues confronting practitioners in field are examined. Extensive research, reading and synthesis of scholarly and professional resources are required. Prerequisite: Completion of a minimum of 106 hours towards your program.

Child & Family Development (HDFS)

HDFS401 Child Life Theory and Practice (3 semester hours)
Child Life Theory and Practice will support students in the application of knowledge of child development to educate, prepare, and support children and their families through the processes of hospitalization and changes in family dynamics related to illness. Child Life Theory and Practice is taught by a Certified Child Life Specialist and will meet one of the requirements of the Child Life Council to become a Certified Child Life Specialist. Pursuit of Child Life certification upon completion of this course is not required but is encouraged.

HDFS402 Benefits of Therapeutic Play (3 semester hours)
This course provides an overview of the principles of therapeutic play, including history, theories, techniques, applications and skills. The content focuses on basic therapy skill development within the context of ethical and cultural diversity-sensitive practice. Attention is given understanding the role of therapeutic play in the context of the participant's clinical (medical treatment) and non-clinical system (family, school, community). Participants learn strategies for engaging children in art, music, and other alternative therapeutic play to educate them on an adult's diagnosis or on their own diagnosis. Participants are introduced to a variety of online resources available for further support. Interest in or pursuit of Child Life certification is not required. (Prerequisite: HDSFS401)

HDFS403 Death, Dying, and Grief (3 semester hours)
This course introduces students to concepts surrounding the nature of suffering and issues of death and dying. Students examine concepts from a theoretical perspective with attention to ethical and moral issues from a cross-cultural diversity perspective and the impact of death, dying and bereavement on a family and community. Participants explore stages of grief and apply them to case studies or their own patient experiences and engage with tools such as legacy building and memento creation, identify and utilize resources that promote positive coping skills, strategies related to providing children bad news or notifying them on death or impending death. Interest in or pursuit of Child Life certification is not required. Note: This course focuses on death, dying and grief in pediatric care.

HDFS496 Practicum Experience (3 semester hours)
This course is an elective option for the Child Life Certificate and the BA in Human Development and Family Studies degree/Child Life option. The course is accepted by the Association of Child Life Professionals (ACLP) towards the elective requirement for certification eligibility. It is not accepted towards any of the 7 specific courses. It is the student's responsibility to secure their own practicum. APUS is open to establishing affiliation agreements with hospitals for the purpose of supporting a practicum placement. (Prerequisite: HDFS401)

HDFS497 Internship Experience (3 semester hours)
This course is an elective option for the Child Life Certificate and the BA in Human Development and Family Studies degree/ Child Life option. The course is accepted by the Association of Child Life Professionals (ACLP) towards the elective requirement for certification eligibility. It is not accepted towards any of the 7 specific courses. It is the student's responsibility to secure their own internship. APUS is open to establishing affiliation agreements with hospitals for the purpose of supporting an internship placement. Students must be in the in the last year of their BA coursework or completed the requirements for internship set forth by the ACLP.

Communications (COMM)

COMM101 Introduction to Communication (3 semester hours)
This course is an introduction to communication studies, the broad areas of communication (interpersonal, oral, electronic, mass media, etc.), and artifacts. This course will familiarize students with the scope, basic terminology, and major career fields in Communication areas. Course topics include: communication, interpersonal communication, communication in groups and organizations, mass communication, media, digital communications, advertising, public relations, promotion management, digital communications and media, fund-raising management, writing, and teaching.

COMM110 Information & Digital Literacy (2 semester hours)
Information and Digital Literacy is designed to provide students with sustainable and usable skills essential to success in both academic and professional settings. Students will learn best practices to locate and evaluate sources, and effectively communicate using digital literacy to become proficient 21st century learners.

COMM200 Public Speaking (3 semester hours)
Public Speaking will introduce students to the field of communication studies, giving them a basic foundation in the issues relevant to communicating effectively in today's global, technological, and diverse world: history and theories of communication, ethics, the audience, developing and delivering a speech, and types of speeches and specialized speech situations, including the job interview. This course utilizes Thinkwell Public Speaking online materials, which includes video selections of historic speeches for study as well as examples of student speakers. Students enrolling in this course must be able to capture video (required) for their speeches. Video files are created and stored within the classroom for the students' security.

COMM210 Communication and Gender (3 semester hours)
This course examines the similarities and differences in male and female communication styles and patterns. The content emphasizes implications of gender as a social construct influencing perceptions, values, stereotyping, language use, nonverbal communication, and power conflict in human relationships.

COMM211 Social Media and Society (3 semester hours)
This course explores the practical and theoretical social impacts of computer-mediated communication (CMC) systems, including many different types of technologies, such as social networking sites, email, forums, chat, and online games. Students will engage in the analysis of CMC practices, the social processes and structures that emerge when people use these applications, and the problems and barriers that emerge from use.

COMM220 Small Group Communication (3 semester hours)
This course will examine the theoretical and practical issues that affect communication between members of work teams, discussion groups, and decision-making bodies. Students will work as members of student teams to analyze both the theoretical and practical implications of the issues that surround effective communication and miscommunication is a small group setting.

COMM240 Intercultural Communication (3 semester hours)
This course develops interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural relationships, and focuses on differences in values, message systems, and communication rules across cultural boundaries and in multicultural settings.

COMM250 Mass Communication (3 semester hours)
This course is an introduction to major mass communication theories as a context to examine major issues surrounding mass media in American society. Students will trace the history and development of the major media, both nationally and internationally, and examine the connection to, and interdependence of, each medium to other media. Emphasis will be placed on the current status of each medium and its influence on society and vice versa.

COMM255 Digital Tools and Media in Communication (3 semester hours)
Digital Tools and Media in Communication is a basic course in digital tools and media in communication, which enables our students to situate their communication studies within the modern technical world. The course gives students exposure to modern technology through the communication lens and provides students with opportunities to explore and evaluate digital tools and media for communication purposes. Throughout the course, students will progress in standards published in 2015 by the National Communication Association as those Communication majors should know, understand, and be able to demonstrate as part of the Communication degree program. This course introduces principles of composition and design, presentation, and evaluation across varied modes of communication using modern tools, apps, cloud services, programs, and social media.Course topics include mass media communication strategies, music tools, podcasts, video conferencing, blogging, mobile messaging, social networking, internet broadcasting, live streaming, and new and emerging technologies, evaluation, and application. Prerequisite: COMM250.

COMM280 Ethics in Communication (3 semester hours)
This course is a study of the ethical considerations in communication. It will examine the main ethical issues in interpersonal and mediated communication, including such topics as objectivity, freedom of expression, representations of sex, violence and other human behavior, privacy, confidentiality and obligations to the public.

COMM285 Interpersonal Communications (3 semester hours)
This course is designed to focus on communication within the workplace, personal activities, and family life in order to establish and maintain healthy interpersonal relationships. This course serves as an introduction to major theories and empirical research regarding the role of interpersonal communication as it relates to personal, contextual, and cultural variables in the development of various types of relationships.

COMM300 Communication Research Skills (3 semester hours)
This course will introduce the research methods of communication processes and issues, which include scientific, interpretive, critical, and rhetorical research methods. During the course, students will evaluate existing communication studies and use both quantitative and qualitative approaches in order to understand research methods in the broad field of communication studies, answer questions, and solve problems. Prerequisite: COMM304.

COMM304 Communication Theory (3 semester hours)
This course is an exploration of major communication theories and their practical application to social events and issues. This course will provide theoretical background in the field to students using case studies, films, and scenarios and opportunities to analyze and apply theories. Course topics include: seven traditions in the field of communication theory, interpersonal communication theories, interpersonal messages, relationship development, relationship maintenance, influence, group communication, organizational communication, public rhetoric, media and culture, media effects, intercultural communication, gender and communication, and integration. Prerequisite: COMM101.

COMM350 Journalism (3 semester hours)
This course will introduce students to core journalism skills and the historical, social and political context of journalistic practice. The course provides instruction in on-line journalism, news writing, story structure, interviewing techniques and a working understanding of the code of ethics and legal issues which impact journalistic practice. (Prerequisite: ENGL101 or ENGL102 or ENGL110).

COMM400 Persuasive Communication (3 semester hours)
In this course, students will learn about the history and development of persuasion, the relationship of audience diversity to the impact of persuasive messages, principles of argumentation and evidence, and applications to real-world situations and messages. Throughout the course, students will make connections with political, mass media, marketing, public relations, organizational, advertising, and internet-based messages by applying theories and concepts of persuasion. Prerequisite: COMM304.

COMM401 Conflict and Communication (0 semester hours)
This course introduces students to concepts in the study of human conflict. During the course, students will explore communication in conflict or crisis and emergency situations where ethics, risk, and uncertainty may exist, as well as where communication must be effectively managed. Through case studies and applied exercises, students will apply theory to practical situations to evaluate communication efforts and prepare a crisis communication plan, focusing on causes and dynamics of interpersonal conflict and strategies people use to manage conflicts. Prerequisites: COMM304 and COMM285.

Criminal Justice (CMRJ)

CMRJ100 Introduction to Law Enforcement (3 semester hours)
This course is an introduction to the philosophy, history, and constitutional limitations of law enforcement. The course will focus on the function of law enforcement within society, ethics and professionalism, theories of law enforcement, and the legal aspects that impact law enforcement.

CMRJ101 Evidence and Procedures (3 semester hours)
This course will provide an introduction to the collection, preservation, and basic crime scene investigations. Furthermore this course will also focus on the laws and court decisions relating to the admissibility of evidence as well as the appropriate methods of interrogation and its uses in the criminal justice process.

CMRJ201 Criminal Justice Administration (3 semester hours)
The course will provide the student with an overview of the American criminal justice system as an interdisciplinary social science involving aspects of criminology, sociology, law, and political science. This course will also examine the complexity of the American Criminal Justice System through its administrative process.

CMRJ202 Stress Management in Law Enforcement (3 semester hours)
This course will explore the stresses of law enforcement, specific stress factors in law enforcement (i.e., shift work, hazards and dangers, dealing with death and severe injury, post-shooting trauma, testifying in court, and undercover work). Methods and techniques for reducing stress will be discussed as will applying these techniques in the field.

CMRJ203 Patrol Methodologies & Community Policing (3 semester hours)
This course will provide an in-depth overview of the concepts and theories associated with being a patrol officer. The student will become familiar with aspects of community-oriented policing; problem-oriented policing, civil liability, ethics and day-to-day police activities that make patrol work the backbone of law enforcement.

CMRJ205 Rape and Sexual Violence (3 semester hours)
This course will explore the sociological and psychological perspectives of sexual crimes as well as examine the legal and forensic aspects of rape. The impact rape has on its victims and society's reactions to sexual violence will be analyzed not only within the United States but around the world. Additionally the class will focus on aspects of causation and rehabilitation of rape crime as well as the proper collection, preservation and analysis of evidence in rape crimes.

CMRJ206 Juvenile Delinquency (3 semester hours)
This course will introduce students to the principles of juvenile delinquency. It will provide a historical overview of juvenile delinquency in America. The course will examine the psychological, social, and environmental theories of juvenile delinquency while also covering the juvenile court system and treatment options for delinquency.

CMRJ295 Criminal Justice Sophomore Seminar (3 semester hours)
This course is the final course needed for the completion of the Associate of Arts in Criminal Justice degree. The course is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates his or her grasp of the criminal justice field. This is a culminating course to be taken after all other Associate of Arts in Criminal Justice courses have been satisfactorily completed. Students must have completed at least 49 semester hours in their program. This course is to be taken as the LAST course in the AA in Criminal Justice program.

CMRJ302 U.S. Law Enforcement (3 semester hours)
This course is an evaluation of the breadth and complexity of contemporary police administration from a systems perspective, a traditional structural perspective, a human behavioral perspective, and a strategic management perspective. Students will apply terms and ideas in the study of policing; and be able to demonstrate and assess the historical development of law enforcement at local, state and federal levels. Additionally they will be able to critically analyze contemporary problems and trends facing law enforcement agencies including their functions, operations and management styles. Managerial theories and practices in organizations will be examined and assessed as to their application in law enforcement organizations.

CMRJ303 Criminology (3 semester hours)
This course examines criminal behavior in relationship to various criminological theories and analyses these theories through a historical context. These theories include classical theories and current theories of crime as they relate to criminal involvement. Additionally this course will analyze society's response to criminal behavior through the assessment of legal approaches and the various aspects of the criminal justice system. Additionally types of criminal behavior and the systems reaction to these crimes will be distinguished. Research affecting social policy and public crime concerns are examined including social problems and social responsibility perspectives as well.

CMRJ306 Criminal Investigation (3 semester hours)
This course is an analytical examination of crime detection and solution, including such topics as crime scene procedures, physical evidence, interviews, field notes and reporting, follow-up investigation, interrogation, and rules of evidence. Specific detail is given to investigations involving homicide, sex-related offenses, and crimes against children, robbery, larceny, vehicle thefts, computer crime, environmental crime, arson, and drug abuse. There is an in depth analysis of investigation methodologies addressing inductive and deductive reasoning to assess the decision making process to solve crimes.

CMRJ308 Ethics in Criminal Justice (3 semester hours)
This course concentrates on the major functions, structures and processes that underline ethical issues within the American Criminal Justice System. This course will explore the structure and nature of the various types of ethical debates within the American judicial system. There will be an assessment of the ethics in criminal justice, as it explores the issues of morality, virtue, honesty, and making ethical decisions in the United States criminal justice system. Assessments of various issues will be examined as they relate to decision making and ethics.

CMRJ316 Corrections and Incarceration (3 semester hours)
A comprehensive study of the context, practices, and special interests of corrections. Topics include the early history and current trends of correctional thought and practice, jails and other short-term facilities, intermediate sanctions, the prison experience, women in prison, institutional management, educational/treatment programs, prisoners' rights, and race/ethnicity challenges.

CMRJ317 Probation and Parole (3 semester hours)
An examination of the theory and practice of probation and parole, including pre-sentence investigation, supervision of probationers, parole administration and services, treatment theory, parole officers, juvenile services, and new concepts (such as community-based corrections, the justice model, and determinate sentencing) that have impacted traditional probation and parole theory.

CMRJ320 Law Enforcement Intelligence Applications (3 semester hours)
The course will prepare students to use intelligence methodologies and templates to assist in case support or investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information to maximize resources. The course will examine the current use of intelligence in law enforcement (federal, state, and local) and its applications in support of investigations and operational planning. The methods examined in this course will be applicable in the private sector.

CMRJ322 Crime and the Family (3 semester hours)
This course assesses the problems associated with domestic violence and also explores into the social, economic, political, and cultural stereotypes of causation. There will be an examination of the relationship between family life and anti-social behavior. A review of various theories as well as research regarding the effect of family structure, marital conflict, parental anti-social behavior, and parent's child rearing practices on a child's risk for conduct problems and delinquency are assessed. Adult anti-social behavior is also explored in terms of showing how various family socialization processes and childhood behavior problems influence probability of later adult crime. Students will also evaluate the aspects of gender, race, ethnicity and socioeconomic status of victims of family abuse and their perpetrators.

CMRJ324 The History of Organized Crime (3 semester hours)
This course will provide an examination of the evolution of organized crime in the United States, with a focus on the social and legal factors that contributed to its development and the groups involved. Additionally this class will explore how organized crime is structured and how it can be exposed and controlled. Theoretical explanations of organized crime are also covered.

CMRJ329 Criminal Profiling (3 semester hours)
This course explores criminal behavior, its motivation, and the environmental influences and patterns of offending. Other topics examined are the approaches to profiling and how these investigative techniques are applied to helping solve crimes. This course will address aspects of behavior, taking into consideration the definition of criminal profiling as the inference of offender traits from physical and/or behavioral evidence. Evaluations will be made of the history, theories, and investigative techniques regarding profiling crime offenders, using a unique blend of both social science, as well as psychological and legal research. It includes legal case excerpts to demonstrate the role of the profiler (investigator). This provides the student a solid knowledge foundation of the integral relationship between the profiling techniques and theories of criminal behavior and the court system. It is recommended students take either CMRJ101 or CMRJ306 prior to enrolling in this course.

CMRJ330 DNA in the Criminal Justice System (3 semester hours)
This course will provide an historical overview of the concepts and theories associated with forensic analysis of DNA for the purpose of criminal investigations. Ethical issues involved in the use of DNA as criminal and civil evidence will be discussed as well as the protocol and procedures used by state and federal crime laboratories. Students will examine several forensic criminal case studies to evaluate the pros and cons of using DNA analysis as a tool to solve crimes.

CMRJ331 Fingerprint Analysis (3 semester hours)
This course will explore the historical development of fingerprint analysis as well as discuss the future technologies being developed to enhance fingerprint evidence in the American criminal justice system. The class will use several case studies of real crimes in which fingerprint analysis made a major impact on these crimes and the system.

CMRJ332 Bloodspatter Pattern Analysis (3 semester hours)
This course will provide the student with a basic understanding Bloodstain Pattern Analysis and its use in criminal investigations. Students will learn how to identify bloodstains using the Bloodstain Classification Taxonomy and the importance of the scientific method in bloodstain pattern analysis. This course will discuss proper documentation and collection methods of bloodstains and the legal standards that support bloodstain evidence as well as courtroom presentation. Students will examine several bloodstain patterns from crime scenes and determine the type of stain and their relevance to the criminal case.

CMRJ333 Firearms Forensics Investigation (3 semester hours)
This course will explore the theories and practices used in Firearms Forensics identification and investigations. Students will learn about the different types of firearms, ammunition and the basic principles of ballistics. Topics explored will be the historical development and future of firearms forensics and how this science helps law enforcement officers identify weapons used to commit crimes. Students will conduct case studies on real criminal cases in which firearms forensics science played a major role in helping solve the crime.

CMRJ334 Voice Stress Analysis (3 semester hours)
This fundamental course will provide the student with a basic understanding of the concepts of a polygraph test, voice stress analysis and related instruments for the detection of deception. Topics will include the history of voice stress analysis as well as a review of criminal and civil cases that have had an impact on the detection of deception. The limitations of the science as a forensic discipline will be assessed. Recent developments in the science of detection will be explored as well as current legal challenges involving voice stress analysis.

CMRJ335 Crime Analysis (3 semester hours)
This course will examine contemporary practices for analysis and measurement of crime including the use of geographical information systems (GIS) to map various aspects of crime. Modern crime analysis focuses on reducing crime and improving police efficiency by illustrating the impact of crime on the community and community impact on crime through the use of the SARA (scanning, analysis, response, & assessment) problem-solving model. Crime analysis facilitates informed decision making on criminal activity and prevention, thereby being instrumental in helping society learn the linkages between crime and other factors such as poverty or drug abuse.Additionally there is a review of the crime analysis function within the law enforcement organization and a demonstration of how to develop, implement, and operate a crime analysis unit.

CMRJ341 Criminalistics (3 semester hours)
The purpose of this course is to educate students regarding the everyday operations of state and federal crime laboratories and the forensic services provided by these organizations. The course is scientifically oriented and will concentrate on the significance of forensic evidence and various testing procedures and instrumentation used to analyze biological, chemical, pattern, and trace items of evidence. Another focus will be the proper recognition, collection and preservation of physical evidence obtained from systematic searches of crime scenes.

CMRJ401 Human Trafficking (3 semester hours)
Human Trafficking is an upper level undergraduate course designed to help students gain a better understanding of contemporary human trafficking and modern day slavery. In this course students will assess the different legal frameworks used to combat human trafficking around the world and analyze the different discourses used to discuss the trafficking phenomena. Students will learn important terminology in this field, the different types of human trafficking that exist and an understanding of the scope of the problem, both domestically and globally. In addition, the course will explore the physical, emotional, psychological, and spiritual trauma experienced by victims of human trafficking and the methods used to recruit and control them. The roles entities such as government, the criminal justice system, the media, faith-based organizations, organized crime, and culture play in this complex human rights and social justice issue.

CMRJ402 The Pathology of Death Investigations (3 semester hours)
This course will examine contemporary practices for investigating sudden, unexpected and violent death. Two major topics will be explored: the first focusing on the manner of death (the social circumstances under which the death occurs), the second focusing on the cause of death (the particular material actions which result in death).The following types of deaths will be considered: asphyxial, blunt and sharp force, firearms, natural causes, mass disaster, child abuse, sudden infant death syndrome (SIDS) and suicide. Estimating the postmortem interval and identification of human remains will also be considered. It is recommended that students take CMRJ306 before enrolling in this course.

CMRJ498 Forensic Law Enforcement Capstone (4 semester hours)

This course is designed to be the final class taken in the B.S. in Criminal Justice with a concentration in Forensics program. The class will be a 16 week course during which students will be required to complete work which will demonstrate a mastery of their program. It is designed to be a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Topics covered during this senior seminar will allow students to review, analyze, and integrate the work the student has completed towards their degree. Prerequisite: Completion of a minimum of 106 hours towards your program.

CMRJ499 Senior Seminar in Criminal Justice (3 semester hours)

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. NOTE: ALL required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register. (Note to students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course.)

Education (EDUC)

EDUC111 Observation Techniques (3 semester hours)
This course examines formal and informal methods of gathering and analyzing data on children. The emphasis is on understanding developmental patterns and implications for diagnostic assessment and intervention.

EDUC200 Humane Education: A Global Interdisciplinary Perspective (3 semester hours)
This course, designed for educators, examines issues related to promoting equitable learning opportunities in the classroom, including effective approaches to encourage collaboration among colleagues, staff, parents, and students who are culturally, ethnically and socio-economically diverse. Interpersonal communication skills – to include speaking, listening, reading, and writing - and their effect on individuals, organizations, and communities will be discussed. Topics examined include ethnic, cultural, gender, class, religious, and linguistic diversity.

EDUC320 Classroom Management (3 semester hours)
This course provides candidates, or course participants, with the knowledge and skills necessary to establish a classroom learning community in which they can organize and conduct effective instruction that challenges and involves learners. Successful classrooms exist because instructors have clear ideas about the most effective classroom conditions necessary for a healthy and intellectually stimulating learning environment. Course content will focus on the differences between teacher-centered and student-centered activities, considerations for adult learners, and addressing the needs of online, face-to-face, and hybrid learning contexts.

EDUC340 Adult Learning Theory (3 semester hours)
This course provides students with a foundation in theoretical and practical aspects of adult learning. The course begins with comparing and contrasting adult learning (andragogy) to learning among children and adolescents (pedagogy). Examination of various theorists, theories, and practitioners; technology integration rationales; and application of theories to practice in online, face-to-face, and hybrid environments prepares students to plan, teach, and evaluate adult learning.

EDUC401 Curriculum Design (3 semester hours)
This course focuses on the knowledge and skills necessary for the effective development of curriculum materials and the organization and implementation of those materials as a learning program with students. Students will address the leading theories and concepts of contemporary curriculum design as advocated by its leading scholars and practitioners.

EDUC402 Measurement and Evaluation (3 semester hours)
This course is a study of the theory, concepts, and practices of learning measurement and evaluation in instructional settings. Course topics include reliability theory, test and evaluation development, validation, and assessment.

Emergency Management (EDMG)

EDMG101 Introduction to Emergency Management (3 semester hours)
This is designed to introduce students to the concepts of emergency management. Students will gain a general understanding of the threats faced by communities. Students will explore the role of emergency management as well as the activities taken during the various phases of emergency management; mitigation, preparedness, response, and recovery. Topics covered in this class include the history and development of emergency management, hazard identification and risk analysis, mitigation, communications, international disaster management and the future of emergency management.

EDMG220 Emergency Planning (3 semester hours)
Effective emergency planning is the key to surviving natural and man-made disasters. Risk analysis and the formulation of a comprehensive plan, followed by a vigorous and continuing testing program, are essential elements to surviving an emergency. Topics covered include threat assessment, risk analysis, formulating the plan, staffing the emergency operations center (EOC), coordinating with supporting agencies, the importance of continuing liaison, managing an actual incident, and conducting an effective follow-up analysis. Various actual case studies are discussed.

EDMG230 Emergency and Disaster Incident Command (3 semester hours)
This course is a study of the theory and practice of incident command, the various methods of incident command, and specific focus on the Incident Command System (ICS) used in crises, disasters, and emergency management response systems. The roles and responsibilities of the ICS system are identified. The different agencies and incidents in which the ICS system is used are discussed. Cases are studied in order to assist students in understanding the management and leadership complexity associated with modern emergencies and disasters. The student will complete a final paper that consists of a mock disaster, which encompasses the knowledge they have acquired during the course.

EDMG240 Chemistry of Hazardous Materials (3 semester hours)
This course gives the student an in-depth study of the chemistry of hazardous materials as emergency management personnel must deal with these types of materials. The course covers a great amount of material on the chemistry and physical properties of common materials that an emergency responder will commonly find in the course of responding to emergencies. It is important for emergency responders to have this knowledge for the safety of them and others. This course presents the chemical basis for classification of, and emergency response to incidents involving, hazardous materials. It is designed for the non-chemist emergency responder, transporters and others who need to understand the implications of single product and multiple product spills, releases and incidents.

EDMG259 Hazard Mitigation and Preparedness (3 semester hours)
This course will provide the student with an overview of society's need for planning for hazardous situations. Every community faces the potential of hazards, both natural and manmade. Only when people are injured and property is damaged by a hazard does a disaster occur. Due to patterns of population growth and development in the United States, disasters now occur more frequently than ever before. Mitigation and preparedness strategies are critical ways of making a community more resilient against the impacts of hazards.

EDMG320 Natural Disaster Management (3 semester hours)
This course covers the basic principles of natural disaster management in the United States. This course highlights several hazard types as topical investigations, as well as the processes and considerations of management options for preparedness, response, recovery, and mitigation. This will include but not be limited to understanding basic natural hazard mechanisms, the range of physical and human impacts, linkages to demographic and environmental transitions, and both structural and non-structural mitigation techniques. All management techniques are framed within existing U.S. Federal guidelines, however management techniques covered in this course may be applied widely. The course covers issues of organization, operations, training, and other issues associated with the management of natural disasters.

EDMG321 Social Media Application to Emergency and Disaster Management (3 semester hours)
This course explores social media and other forms of communication and their value, and limitations in today's environment, and cross-functional employment in support of emergency management, homeland security and public health emergency operations. In addition, this course evaluates the contributions of the internet and social media within a larger media/public relations context, as a stand-alone mass notification/information sharing platform, and as part of a communications strategy for disaster response.

EDMG330 Managerial Issues in Hazardous Materials (3 semester hours)

This course covers managerial issues in hazardous materials. The impact hazardous materials have on humans, wildlife, and the environment will be covered. The major laws that are applicable to hazardous materials at the Federal, State, and local levels will be discussed. The student will learn about writing an effective contingency plan and the importance of coordination and collaboration across multiple agencies when dealing with a hazardous material response. This course examines all facets of hazardous materials including regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

EDMG340 Consequence Management (3 semester hours)

This course addresses the potential results from nuclear, biological, and chemical incidents or uses. Topics include public health consequences of such incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies. Existing vulnerabilities to these types of incidents and attacks will also be discussed. Objectives of the course include identification of the historical development and use of chemical and biological weapons; definition of the types of chemical and biological weapons and their impacts; analysis of case studies related to the development and use of chemical and biological weapons, and research on chemical and biological warfare.

EDMG420 Risk Communications (3 semester hours)

This course examines media management during local/national disasters and/or events. It will also address the media and all levels of governmental response. The focus will be on actual operations and on-site issues. This course provides the student an arsenal of useable tools and techniques that are universally prescriptive and can be implemented in nearly every risk-associated situation, from public health to accidents to terrorist attacks and even to challenges to corporate reputation management. Students who complete this course will be prepared to make the best possible decisions during a crisis emergency about the affected population's wellbeing, and communicate those decisions, within nearly impossible time constraints, and ultimately, to accept the imperfect nature of choices as the situation evolves.

EDMG498 Senior Seminar in Emergency & Disaster Mgmt. (3 semester hours)

This senior capstone course allows students majoring in emergency and disaster management to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. Prerequisite: Completion of a minimum of 106 hours towards your program.

EDMG499 Independent Study in Emergency and Disaster Mgmt (3 semester hours)

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Engineering (ELEN)

ELEN100 Introduction to Electrical Engineering (3 semester hours)
This is an introductory course that incorporates labs and project based learning. The course uses the IEEE Code of Ethics to apply ethics to engineering scenarios, as well as research the Electrical Engineering field and apply engineering design principles that will be used in Electrical Engineering courses. Students will examine and explore various electrical engineering concepts and components and use them to build working projects that sense temperature, read switches, write data to displays, drive LEDs, and generate audio signals. Students will use graphical system software to verify project performance. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

ELEN300 Electrical Engineering Fundamentals (4 semester hours)
The purpose of this course is to present the foundational areas of electrical engineering. The topics touched on in this course will help students determine their area of concentration at APUS. The topics included with varying degrees of emphasis include: Circuit Analysis; Electromagnetic Field Theory; Solid-state electronics; Electric machines; Electric power systems; Digital logic circuits; Computer systems; Electro-optics; Instrumentation systems; Control Systems.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: SCIN234 and MATH240.

ELEN303 Measurements and Instrumentation (3 semester hours)
This course will present important measurement techniques and instruments used in electrical engineering. The course provides an overview of the modern International System of Units (SI), including important units outside the SI standard. The course continues by introducing measurement errors, measurement uncertainty, and instrumentation limits on errors. The course introduces measurement elements such as resistors, capacitors, inductors, and laboratory voltage sources, and analog measuring instruments. The course describes compensation measurement methods and introduces AC and DC calibration techniques. Additionally, the course demonstrates the uses and testing methods of instrument transformers, operational amplifiers (op-amps), and oscilloscopes. The course describes the construction of the digital voltmeter and provides an overview of analog to digital converters. Finally, the course describes various measurement systems including the most popular sensors, signal conditioning, computer algorithms, and data acquisition hardware.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: SCIN234 and MATH240.

ELEN305 Electrical Circuit Analysis (4 semester hours)
This course presents circuit elements and defines them in terms of their circuit equations. These equations utilize the fundamental laws of circuit analysis. This course will introduce Ohm's law, Kirchhoff's law, and Thevenin and Norton equivalent circuits, and superposition. This includes the introduction of series and parallel circuits, DC/AC circuit's analysis, and power analysis of DC and AC circuits. An introduction to time domain and frequency analysis will be provided.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN300 and ELEN303.

ELEN306 Analog Circuit Theory (4 semester hours)
This course presents basic elements in analog circuit design. Initially operational amplifiers will be discussed, including design and implementation of practical amplifier and feedback circuits. Other analog elements such as diodes and transistors will be introduced combined with previously discussed passive components to design DC power supplies, audio amplifiers, active filters and oscillators along with other applications. Students will gain a fundamental understanding of the key analog circuit components and the basic skills to create and implement practical designs.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN305.

ELEN307 Digital Circuit Theory (4 semester hours)
This course presents digital and logic circuit analysis and design. The course covers six main parts: Boolean algebra and Boolean function simplification; basic logic gates, combinational functional blocks, and combinational circuit design using gates and functional blocks; digital circuit description by VHDL language; basic flip-flops, sequential circuit analysis and design; registers, static and dynamic memories, ROM and RAM, programmable logic devices, and field programmable gate arrays (FPGA's); and register transfer language, basic computer structure, operation and design. Students will be introduced to the concepts of digital circuit theory and design, will practice with circuit analysis software, will gain solid skills to analyze and design digital circuits for various applications, and will get familiar with the structure and operation of a digital processor.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN305.

ELEN310 Continuous and Discrete Signals and Systems (4 semester hours)
This course is presents signal and system description and characterization in the time and frequency domains for linear time-invariant (LTIV) systems. Time domain topics include differential and difference equations; convolution; and Fourier Series. Frequency domain material will incorporate Fourier transforms; Laplace transforms; z-transforms; and system description via transfer functions. The sampling theorem will be addressed. State-space representation of LTIV systems in either the time or frequency domains will be introduced. The course will show students how to characterize and analyze systems in either time or frequency and transform between domains. Students will be shown how to determine and apply a correct technique to either analyze an existing system or design a system to meet specifications. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.(Prerequisites: ELEN305 and MATH210)

ELEN312 Energy Conversion Processes and Systems (3 semester hours)
This course presents concepts related to energy conversion and transport and provides the foundation for understanding power generation and distribution. Energy conversion in electrical, electromagnetic, electromechanical and electrochemical systems will be discussed. Different forms of power generation, both AC and DC, will be covered along with single-phase and three-phase power, transmission lines, and transformers. The course will also cover AC and DC motors, motor control, power measurement, switches and rectifiers. An introduction to power electronics will be also be presented, demonstrating the circuits used to interface both traditional and emerging alternative energy sources to the existing distribution system and homes. The course will center on a practical understanding of individual components and applying this knowledge to discussions of large and small scale energy systems, Students will gain the fundamental skill set to understand our electrical grid and power generation.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.(Prerequisites: ELEN305 and ELEN325)

ELEN325 Field Theory (3 semester hours)
This course teaches the physics and applications of electromagnetic field theory as encapsulated in the vector form of Maxwell's equations. The class will show how these laws govern the design and bound the performance of electronic devices, circuits, and systems. This course covers the following topics from field theory to include magnetic materials and forces, inductance, Coulomb's law, Gauss's Law, energy, divergence, electrical potential, conductors, dielectrics materials, capacitance, Ampere's Law, boundary value problems, Biot-Savart Law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. As part of the course, students will develop Maxwell's Equations from electric and magnetic field experimental laws. This course will also cover wave propagation in free space and in transmission lines and characteristics of radiating structures such as antennas. Prerequisites: MATH227 and MATH240.

ELEN416 Control Systems Theory and Design (3 semester hours)
This course covers the basic principles of frequency- and time-domain design techniques. Classical methods covered include Laplace transforms and transfer functions; root locus design; Routh-Hurwitz stability analysis; frequency response methods including Bode, Nyquist, and Nichols; steady state error for standard test signals; second order system approximations; and phase and gain margin and bandwidth. In addition, the state variable method is investigated including full state feedback design, and limitations of state variable feedback. The student will learn to use computers in the analysis and design of control systems.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN310.

ELEN420 Communication Systems (3 semester hours)
The course covers statistical communication theory including amplitude, frequency, and pulse code modulation; description of random process by auto-correlation and power spectral density functions, sources and properties of electrical noise and its effect on communication systems, the effects of modulation, detection and filtering on signal information content, and bandwidth and signal-to-noise ratio. Topics include: a review of signals and systems, power spectral density, amplitude modulation, angle modulation, pulse modulation, a review of probability and random variables, and an introduction to digital transmission systems.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.(Prerequisites: ELEN310, ELEN325 AND MATH302 OR MATH328)

ELEN421 RF/Microwave Engineering I (3 semester hours)
This course covers the fundamental concepts of passive microwave circuit analysis and design. Topics include electromagnetic theory, propagation of electromagnetic waves in various transmission media, microwave network analysis, the Smith Chart, impedance matching & tuning, resonators, power dividers, directional couplers, and microwave filters. At the end of this course, you will have an understanding of the key concepts and components associated with passive microwave circuits.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN310 and ELEN420.

ELEN422 RF/Microwave Engineering II (4 semester hours)
This course expands upon the knowledge gained in ELEN421 RF/Microwave Engineering I. It introduces active microwave components and the cascading of components to form microwave circuits, sub-systems, and systems. Topics include amplifiers, mixers, receivers, frequency synthesizers, modulators, wireless systems and typical figures of merit such as gain, noise figure and third order intercept point. At the end of this course, you will have an understanding of the key concepts and basic theories associated with microwave circuits and systems.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN421.

ELEN423 Wireless Communications (4 semester hours)
The course presents fundamental principles underlying the wireless transmission and reception of information, and studies the different parts of a modern wireless communication system. Specifically, the course will touch upon different digital modulation schemes, as well as the design and performance analysis of a transmission and reception end. The concept of diversity and its impact on reception performance (probability of symbol detection error) will be discussed. Channel capacity and channel coding will also be studied. Further, techniques for adaptive modulation and channel equalization used in state-of-the art wireless systems will be presented. Communication using orthogonal frequency division multiplexing (OFDM), as well as spread spectrum techniques will also covered. Topics in multi-user systems, random access, cellular systems and ad hoc networks will also be covered. The goal of this course is to help students to i) learn about different wireless communication technologies; ii) understand the basic components of a wireless communication system; iii) be able to design basic components in a wireless communication system; and iv) analyze its performance both analytically and numerically.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN420 AND ELEN310.

ELEN426 Antennas-Theory and Applications (3 semester hours)
This course is an in-depth coverage of the basic properties of antenna theory, analysis, and design. Topics covered include radiation patterns; antenna gain and directivity; antenna main lobe and side lobe levels and shaping; system losses; and antenna impedances. Different types of antennas including linear dipoles; horns; slot antennas; and linear and planar array antennas will be examined. Students will be introduced to numerical methods for analysis and modeling as well as the effects of RF frequency on antenna design.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN420.

ELEN427 Radar Systems Theory (4 semester hours)
This course is an in-depth coverage of the theory of radar and RF signal propagation, transmission, and reception. Topics covered include the radar range equation; antenna patterns; target cross section; system losses; calculation of signal-to-interference ratios; detection probability; target scintillation; main lobe and side lobe clutter; and moving target indicator (MTI) and pulse Doppler processing. Radar system hardware including transmitters, receivers, and antennas will be introduced and system block diagrams created. Classification of radar types into search, track, or mapping systems will be discussed.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN420.

ELEN430 Embedded Systems Design (3 semester hours)
The fundamentals of embedded system hardware and firmware design will be covered in this course. The main topics to be discussed are: embedded processor selection, hardware/firmware partitioning, glue logic, circuit design, circuit layout, circuit debugging, development tools, firmware architecture, firmware design, and firmware debugging. The Atmel AVR series microcontroller will be studied. The architecture and instruction set of the microcontroller will be discussed. A microcontroller development board will be utilized as a development and debugging platform. The course will culminate in a significant final project and will include interfacing real world peripherals to the microcontroller to perform some specific task. Depending on the interests of the students and professor, other relevant topics may be covered.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN307 AND ENGR200)

ELEN432 Microcontroller Based Systems (3 semester hours)
This course is an introduction to microcontroller based systems. Topics in the class include microprocessor/microcontroller organization, instruction sets, assembly language programming, analog and digital interfacing, and design of microcontroller based systems. Emphasis is on design, labs and projects in the course, including written and oral communication for project summaries and results.Prerequisite: ELEN307.

ELEN435 Introduction to Power Electronics (4 semester hours)
This course takes a student with a basic understanding of circuit analysis and introduces them to the functionality, topography, and regulation of power electronic devices. Students will become skilled in power computations based on load design, conversion of DC/DC, DC/AC, AC/DC, and AC/AC circuits, rectifiers, voltage controllers, power supplies, inverters, and operations of semiconductor devices, and basic switching circuits. Students will also delve into software tools with embedded power electronic equations to simulate and investigate the behavior of power electronic circuits under various load settings and heat sync scenarios. They will also utilize software to experiment and manipulate power electronic equations and observe voltage and current waveforms.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN306 AND ELEN325.

ELEN436 Advanced Power Electronics (4 semester hours)
This course takes a student with prior knowledge of electrical machines, power converters, and linear control systems and provides knowledge of advances in power electronics such as modeling DC motor drives and machines, various modes of operation, multi-phase control converters and choppers. Students will design multiple-order transfer functions, experiment with closed loop operation of DC motor drives, a speed controlled drive system, pulse-width modulation and steady state analysis. The skills gained in this course will enable students to perform various tasks related to high power semiconductor devices, digital signal processing, and efficient electrical energy. Motor drives have wide spread applications in today's industry such as machine tools, elevators, cranes, transportation, and an extensive list of other modern applications. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisite: ELEN435.

ELEN440 Mechatronics (4 semester hours)
This course covers the foundational concepts in mechatronics. It introduces students to the required skills necessary to design a complete mechatronic system. Students will learn about the use and integration of sensors, actuators, microcontrollers, and various types of software required to interact with hardware. Students will gain a system-of-systems approach to designing a complete mechatronics system and how to structure and interface to electromechanical systems. They will also gain practical experience through laboratory exercises in design of graphical user interfaces and real-time operating systems needed to control mechatronic systems. Students will also design feedback control systems with time and task constraints.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisites: ELEN312 AND ELEN416.

ELEN498 Senior Seminar Design (3 semester hours)
This seminar is a senior-level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in electrical engineering. The student will design an approved project that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Student must have Senior standing in our Engineering program and Program Director approval to register.NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

ELEN499 Senior Seminar Project (3 semester hours)
After completing the design of their approved project in ELEN498 - Senior Seminar Design, students will implement that design into a working prototype and write a senior thesis. The senior thesis will be completed and an oral defense presented. Selected senior papers will be retained in our library. The student is further encouraged to submit work to peer reviewed journals, conference proceedings, and/or senior design competitions. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.Prerequisite: ELEN498.

Engineering (ENGR)

ENGR200 Introduction to Engineering and Computing (3 semester hours)
This course provides an overview of the engineering profession and introduces the student to writing computer programs. The course provides information about different engineering disciplines and gives an overview of electrical engineering. The APUS electrical engineering concentrations are introduced and it describes what career opportunities are available in those concentrations. Additional Engineering subjects are presented including Engineering Ethics and Management. The class presents the principles of structured programming using the C++ language. The course is designed for engineering students without previous programming experience. Topics include: Introductions to computers, C++ programming, classes, objects, strings, control statements, recursion, functions, arrays, vectors, and pointers. Finally, an introductory engineering design problem will be presented which gives the students an opportunity to solve a problem. Prerequisite: ELEN100.

ENGR300 Fundamentals of Mechanical Engineering (3 semester hours)
This course presents the fundamental mechanical principles of engineering required for any course of study in the engineering sciences. The student will be introduced to the principles and applications of statics, dynamics, thermodynamics and heat transfer. Students will study the interaction between mechanical and electrical systems and apply analogies between the two. Topics include: Technical problem solving and communication skills; Forces in Structures and Machines; Materials and Stresses; Fluids Engineering; Thermal and Energy Systems; Motion and Power Transmission. Finally, the course will present the essentials of the mechanical engineering profession and where it fits in the world of technology. Prerequisites: SCIN234 and MATH240.

English (ENGL)

ENGL100 The Processes & Principles of Composition (3 semester hours)
This course provides instruction and practice in the fundamentals of English grammar and usage in addition to the processes of writing: invention strategies, drafting, critical reading, researching, collaborating, sharing, revising, editing, and copy editing. In particular, this course provides extensive practice in narrative, descriptive, and expository writing, using supplementary readings as models of form and to generate subject matter for composition. This course does not fulfill the English General Education Requirements, but it can be used as elective credit.

ENGL101 Proficiency in Writing (3 semester hours)
This course provides instruction in the writing process with a focus on self-expressive and expository essays, and will include practice in the conventions of standard written English, responding to readings, and incorporating sources into essays with appropriate documentation.

ENGL102 Effectiveness in Writing (3 semester hours)
This course provides instruction in the writing process with a focus on persuasive and argumentative essays, and will include practice in developing a distinctive style, the methods of effective reasoning, library and on-line research. A formal research project is required. (Prerequisite: ENGL101 or ENGL110).

ENGL110 Making Writing Relevant (3 semester hours)
Making Writing Relevant is an interdisciplinary course that reinforces the logical process of writing and communicating in a variety of environments and across fields of study. Through investigative research, students will explore matters of historical and contemporary importance within a discipline in order to describe, examine, compare, and persuade audiences.

ENGL120 Creative Writing (3 semester hours)
This course will give students the opportunity to study the elements of fictional writing. Students will experiment with a variety of forms, including poetry, fiction, and drama. (Prerequisite: ENGL101 or ENGL110).

ENGL200 Composition and Literature (3 semester hours)
This course is designed to focus on critical reading and writing skills. It emphasizes reading and writing by enabling students to experience literature as one of many forms of language and offers effective ways of highlighting reading strategies in a number of different contexts. (Prerequisite: ENGL101 or ENGL110).

ENGL220 Technical Writing (3 semester hours)
This course will focus on the kinds of communication typically found in the workplace, and will include the major concepts of technical writing: audience analysis, ethics, collaboration, graphics and design, concepts common to all types of technical communication. In this course, the student will prepare letters, memos, instructions, proposals, and written and oral reports. Because the Internet has become an important tool in the workplace, it will also cover the basics of using the Internet as a research tool. (Prerequisite: ENGL101 or ENGL110).

ENGL221 Scientific Writing (3 semester hours)
Students will explore the unique structure, style, process, and documentation found in scientific writing. Through the use of a variety of scientific literary examples, students will apply the research and writing process most effective for objective scientific writing. In addition to interacting on a weekly basis, students will work collaboratively to complete a multi-faceted project. (Prerequisite: ENGL101 or ENGL110)

ENGL225 Business Writing (3 semester hours)
This course teaches students how to communicate professionally in the business community. It emphasizes business language and style. Included in the course are exercises that instruct students how to write clear, well-structured, effective letters, bulletins, e-mails, instructions, memos, manuals, reports, and other business writing. (Prerequisite: ENGL101 or ENGL110).

ENGL230 Introduction to Linguistics (3 semester hours)
This course presents modern linguistic theories and their application to literature and teaching of English. Included will be an examination of how various grammatical models represent the complexities of sound, sequence, and structure of language. Also included will be the topics of word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, grammar, and language planning in teaching English. (Prerequisite: ENGL101 or ENGL110)

ENGL320 Freelance Writing (3 semester hours)
This course is designed to help students become knowledgeable and productive freelance writers. It will help them prepare written articles for publication in magazines and newspapers. Writing assignments will parallel the study of a current text and will result in submissions designed for publication and sale. (Prerequisite: ENGL101 or ENGL110).

ENGL322 The Personal Essay (3 semester hours)

This course will focus on the expression of personal experiences. Students will read personal essays and study the various forms. They will also learn how to be a compelling first-person narrator and use voice, setting, structure, theme, and style to craft their own personal essays. Prerequisite: ENGL120.

ENGL401 History of the English Language (3 semester hours)

This course will provide students with a foundation in the history and linguistics of the English language. The course will emphasize social, political, and other external historical events influencing language change, as well as the internal history of the language. Attention will be given to the various language systems (personal identity, phonetics, phonology, morphology, graphics, syntax, lexicon, language variation, historical linguistics, language and the brain, and semantics), as well as to the literature from the different historical periods. (Prerequisite: ENGL101 or ENGL110).

ENGL420 Advanced Creative Writing (3 semester hours)

This course extends the writing approaches and practices encountered in ENGL120. Students will continue to explore ways to generate ideas for stories, but a more central focus will be on deepening existing writings and finding new challenges in familiar material. Students will also explore additional types of storytelling, such as prose poetry, flash fiction, screenwriting, and visual poetry. Students will explore their own "voice" and develop a writing process unique to themselves. (Prerequisite: ENGL120).

ENGL498 Senior Seminar in English (3 semester hours)

The culminating point of an undergraduate's career, this senior course offers students the rhetorical knowledge and research practices needed to write and to research successfully in any discourse community within which they might find themselves—as students, professionals, and citizens. While university students are projected to make several career changes within their working lifetimes, these transitions and the challenges of their complex personal and public lives will require critical thinking skills and informed flexibility. This course is designed to polish students' writing, analytical, and English skills so that they may confidently confront the challenges and demands of specialized research and written communication. According to their affinity, seniors are invited to pursue literary interests in the compositions of this course, and conduct research in other academic or professional areas. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. Prerequisite: Completion of a minimum of 106 hours towards your program.

Environmental Science (EVSP)

EVSP201 Environmental Economics (3 semester hours)
This course focuses on the design of environmental policy under uncertainty and asymmetric information. Topics include the theory of public goods, theory of renewable and non-renewable resources, externalities and common pool resources, the theory of pollution and pollution control, and trade-environment issues.

EVSP310 Water Science (3 semester hours)
An overview course on water sources, uses, management and conservation; biological, economic, and health issues. The course will use chemical and engineering approaches to water and waste water treatment. It includes studies for assessing chemicals in water and waste water. Students will cover the application of standardized analytical methods for evaluating water quality. (Prerequisites: BIOL133 OR SCIN130 and MATH302)

EVSP311 Soil Science (3 semester hours)
A fundamental study of soil properties and reactions critical to the evaluation of how contaminants, as well as essential nutrients, behave in the soil environment. Interactions of potential pollutants with soils and the aquatic and atmospheric environments are emphasized. Methods of soil management or remediation to minimize pollution are presented. (Prerequisites: CHEM133 OR SCIN131 AND SCIN138)

EVSP312 Introduction to Sustainability (3 semester hours)
This course will introduce students to the principles of environmental sustainability. Students will explore various aspects of sustainability, including energy use, industrial processes, waste generation and disposal, and the built environment. As part of the focus on solutions, the course will introduce students to tools society can use to attain and implement sustainable practices, such as policy, law, education and communication, marketing, research advocacy, and international agreements and collaboration.

EVSP316 U.S. Federal Environmental Organization (3 semester hours)
This course is a study of the environmental organization at the federal level, to include duties and responsibilities of federal environmentally-focused agencies, non-environmental agencies and organizations that have environmental impact or related responsibilities, and other federal administrative issues focused on environmental bureaucracy, contracting, and/or outsourcing to private organizations.

EVSP320 Energy and Resource Sustainability (3 semester hours)
This course will introduce students to current and future trends in energy technology, policy, and sustainability. It will address topics such as resource sustainability, relevant aspects of economics, sociology of innovation diffusion, product design principles, and the environmental impacts of existing and emerging energy technologies. Analysis of the range of current and future energy choices will be stressed, as well as the role of energy in determining local environmental conditions and the global climate.

EVSP321 Land Use and Planning (3 semester hours)
This course will introduce students to the basic methods of land use planning, including: goal development and formalization, planning intelligence and information systems, population forecasting, land use forecasting, land suitability analysis, land use location requirements, land classification planning, natural/sustainable land use design, and the analysis of regional or local land use plans. Through lecture, discussion, case studies, and assignments, the class will examine fundamental land use controls (i.e., General Plans and Zoning), land use policy, and contemporary land use management techniques.

EVSP322 Remote Sensing and Geographic Information Systems (3 semester hours)
This course illustrates the fundamental concepts of GIS and remote sensing technologies in the context of land use planning and management. Topics include the physical basis for remote sensing, remote sensing systems, digital image processing, data structures, database design, and spatial data analysis. The course is not intended to provide students with extensive training in particular image processing or GIS packages; however course exercises and the final project will require GIS data analysis and presentation skills.

EVSP330 Fish and Wildlife Policies, Programs, and Issues (3 semester hours)
This course focuses on national fish and wildlife policy, programs, and contemporary issues. Topics addressed in the course include historical and contemporary fish and wildlife policy; major fish and wildlife federal, state, and local programs; economic incentives and disincentives associated with fish and wildlife; and non-U.S. approaches to fish and wildlife issues.

EVSP331 Public Lands Management (3 semester hours)
This course focuses on the federal, state, and local agencies, policies, strategies, and public law that influences the public lands management of the United States, and, to a lesser extent, other countries. The focus of the course is the historical and contemporary land management approaches used to protect, exploit, manage, and/or use public lands in the United States. Topics include jurisdictional issues over public land, federal agencies involved in land management, state and local issues and land management, and contemporary issues associated with land management in the 21st Century.

EVSP341 Introduction to Wildlife Management (3 semester hours)
The course explores conceptually the ecological knowledge needed for wildlife conservation, including how species behavior and life history evolves and ultimately how that shapes wildlife populations. Traditional wildlife management topics will be included, along with an added emphasis on ethological implications that affect biological diversity. In addition, human behavior and its impact on wildlife populations and diversity will be studied through case studies, scientific literature, and assigned readings.

EVSP342 Population Ecology (3 semester hours)
This course examines the fundamental laws of population ecology, providing an overview of the underpinnings of population theory. Emphasis is placed on these principles as applied to conservation and management of fish and wildlife populations. Topics include assessing extinction risk of rare species, invasion dynamics of exotic species, demographic and environmental stochasticity, metapopulation dynamics, structured populations, species interactions, interspecific interactions, and micro-evolutionary processes. Use of case studies will demonstrate the application of population ecology models and methods to the management of fish and wildlife populations, and provide the opportunity to apply concepts to current problems and challenges in this field. Students will complete quantitative analyses throughout this course, and a familiarity with college algebra or statistics is encouraged.

EVSP411 Environmental Policy, Regulation, and Law (3 semester hours)
This course is an introduction to environmental policy, regulation, and law in the U.S. Subjects covered will include command and control of regulation, air quality, water quality, control of toxic materials, waste management, energy, and natural resources.

EVSP412 Environmental Management Systems (3 semester hours)
A major trend among world corporations and public agencies is the creation of formal environmental management systems. Official certification of such plans by a third party auditor marks the end of planning and the start of implementation. ISO 14001 certification is a complicated and labor-intensive process, but it can bring great tangible and intangible benefits. This course will study the process, and then apply it to six case studies.

EVSP413 Environmental and Ecosystems Management (3 semester hours)
This course focuses on contemporary theories and practices associated with environmental and ecosystems management. Industrial, economic, commercial, political, developmental, and other issues and concerns that influence environmental and ecosystems management are addressed. (Prerequisite: EVSP310)

EVSP414 Air Quality Management (3 semester hours)
In this course, the student will examine types of outdoor and indoor air pollutants, their sources, health effects, environmental and aesthetic effects, and methods of measurement and control. An in-depth review of the regulatory framework for air quality in the U.S. and related international treaties and agreements will be explored.

EVSP415 Environmental Impact Assessment (3 semester hours)
This course focuses on the processes, tools, and techniques used to analyze environmental problems, establish state and federal standards, develop environmental impact statements, and make decisions regarding the environment. Students will analyze actual problems, study real environmental impact cases, and learn to use various environmental impact methodologies.

EVSP416 General Ecology (3 semester hours)
This course provides an intensive treatment of the field of ecology. Ecology is the scientific study of the interactions among organisms and their environment, which explains the distribution and dynamics of organisms, their traits, and the effects that they have on the natural world. Students will learn that ecology is an integrative discipline that draws from various fields of biology (physiology, morphology, behavior, evolution) and natural sciences (e.g., geology and chemistry), as well as other disciplines (e.g., economics and social sciences). The focus of the course will be on identifying and recommending solutions to ecological problems, e.g., habitat destruction and fragmentation, biodiversity, global environmental change, desertification, acidification of the oceans, and others.

EVSP417 Conservation Biology (3 semester hours)
This course examines the fundamental biological and ecological principles of conservation biology. Instruction covers measures of biological diversity, species concepts, genetics of small population viability analysis, and metapopulation dynamics; habitat fragmentation including edge effects, corridors and patch dynamics; reserve design principles; setting biodiversity priorities; and monitoring indices. Changes in land use patterns and the science of Landscape Ecology are also investigated. Current conservation techniques are reviewed through the use of case studies and computer exercises. (Prerequisite: BIOL133 OR SCIN130)

EVSP418 Green Infrastructure and Renewable Technologies (3 semester hours)
This course will introduce students to the concepts of green infrastructure planning and design and the implementation of renewable technologies. The framework presented for planning and design will focus on increasing the performance of green infrastructure systems. Students will examine case studies and participate in exercises to develop richly layered, interconnected, and sustainable communities that increase human health and ecological resilience.

EVSP421 Water Resources Management (3 semester hours)
This course is designed to review the practical application of watershed planning as a tool to manage land, water, and ecosystem resources. Students will explore the public policies and practices of watershed planning by examining case studies in water supply, water quality, drought, floodplain, and storm water management in the U.S. The watershed management curriculum will utilize a multi-disciplinary approach, involving the fields of geography, environmental science, geology, public policy, urban and regional land planning, geographic information systems (GIS) and engineering.

EVSP430 Pollution and Pollution Management (3 semester hours)
This course focuses on pollution, its influence on the environment and ecosystems, and the major strategies designed to prevent or contain it. Topics include basic principles in pollution management, air pollution, marine and freshwater pollution, managing radiation, and the influence of society on pollution management. No prior experience with pollution management is needed, although the student is expected to have enthusiasm for the subject matter.

EVSP498 Senior Seminar in Environmental Science (3 semester hours)
As a senior seminar, this course will provide a review of core program content and a spring board for more advanced discussion on topics covered throughout the degree program. Students will review and analyze the environmental problem solving process with consideration for the social, environmental, and economic components. This capstone course will provide students with the opportunity to reflect on the course work and demonstrate knowledge of their selected concentration field of study. This is a capstone course to be taken after the environmental science courses have been satisfactorily completed.

Finance (FINC)

FINC300 Foundations of Financial Management (3 semester hours)
This course is an overview study of the concepts and techniques in finance for non-financial managers. The course will cover basic financial tools and principles for both small and large business. Topics include financial and securities markets, financial statements and analysis, capital budgeting, management, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC400 Principles of Financial Management (3 semester hours)
This course is an overview study of the concepts and techniques in corporate finance. Topics include investments, financial environment, securities markets, financial markets, financial statements and analysis, working capital management, capital budgeting, cost of capital, dividend policy, asset valuation, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC405 Budget Development and Execution (3 semester hours)
This course provides an in-depth focus and analysis of the four phases of the budget cycle -- formulation, review, execution and audit. It also explores the purposes of budget, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting. Students must have access to Microsoft Word and Microsoft Excel software.

FINC410 International Finance (3 semester hours)
This course is designed to give the student a better understanding of the unique problems and opportunities presented by international business. Since the special emphasis of this course is finance, the course will focus considerable attention on specific topics of international finance such as foreign exchange markets and managing exchange rate risk. Students must have access to Microsoft Word and Microsoft Excel software.

Fire Science Management (FSMT)

FSMT102 Fire Behavior and Combustion (3 semester hours)
This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. The student can expect to identify physical properties of the three states of matter; categorize the components of fire; recall the physical and chemical properties of fire; describe and apply the process of burning; define and use basic terms and concepts associated with the chemistry and dynamics of fire; discuss the various materials and their relationship to fires as fuel; demonstrate knowledge of the characteristics of water as a fire suppression agent; articulate other suppression agents and strategies; and compare other methods and techniques of fire extinguishments.

FSMT188 Fire Prevention (3 semester hours)
This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigations, and fire and life safety education. Students can expect to define the national fire problem and its main issues; recognize the need for fire prevention as part of the overall mix of fire protection; recognize the need for fire prevention organizations, review minimum professional qualifications at state and national levels for fire inspectors, investigators, and public educators; define the elements of a plan review program; identify the laws, rules, codes, and other regulations regarding fire prevention; and discuss training, media, and public education programs for fire prevention.

FSMT201 Fire Protection Systems (3 semester hours)
This course addresses the study of suppression systems and their critical components as well as their application to selected fire protection problems. It will cover the duties, responsibilities and ethical aspects of the Fire Protection Engineer with focus on contract drawings and their relationship to contract specifications, and an actual survey of a large building. It will include the philosophy, history and fundamentals of public and private fire protection, and relations with other disciplines including architecture and the building industry, and will extend to the application of hydraulic theory to a range of design considerations.

FSMT210 Fundamentals of Fire Protection (3 semester hours)
This course is an overview of fire protection and its related fields. It also covers the philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and introduction to fire strategy and tactics. Students can expect to describe and discuss components of the history and philosophy of the modern fire service; analyze the basic components of fire as a chemical reaction, examine the major fire phases, and examine the main factors that influence fire spread and behavior; list and describe major emergency response services and illustrate how they interrelate; synthesize roles of national, state, and local support organizations in fire and emergency services; describe the scope of fire and emergency services organization; describe the common fire facilities, equipment, and apparatus; analyze management concepts for emergency situations; and explain fire prevention including code enforcement, public information, and public and private fire protection systems.

FSMT281 Principles of Fire and Emergency Services Safety and Survival (3 semester hours)
This course introduces the basic principles and history related to the national firefighter life safety initiatives. The course focuses on the need for cultural and behavior change throughout the emergency services.

FSMT287 Fire Protection in Building Construction (3 semester hours)
This course is a study in building construction components that relate to fire and life safety, to include a major focus on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating in emergencies. The student can expect to demonstrate an understanding of building construction as it relates to firefighter safety, building codes, fire prevention, code inspection, and firefighting strategy and tactics; classify major types of building construction; analyze the hazards and tactical considerations associated with the various types of building construction; explain the different loads and stresses that are placed on a building and their interrelationships; identify the principle structural components of buildings and demonstrate an understanding of each function; differentiate between fire resistance and flame spread, and describe the testing procedures used to establish ratings for each; classify occupancy designations of the building code; and identify the indicators of potential structural failure as they relate to firefighting safety.

FSMT288 Community Risk Reduction for the Fire and Emergency Services (3 semester hours)
This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk reduction plan.

FSMT289 Fire Protection Hydraulics and Water Supply (3 semester hours)
This course is a theoretical study to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. The student can expect to apply the application of math and physics to the movement of water in fire suppression activities; comprehend the design principles of fire service pumping apparatus; analyze the community fire flow demand criteria; and demonstrate understanding of hydraulics, water characteristics, fluid pressure, hydrokinetics, Bernoulli's formula, nozzle reaction, friction loss in water conductors, nozzle pressure equation, water distribution systems, Hazen-Williams equation, fire flow tests, determination of required fire flow, fire service pump design and testing, friction loss calculations, engine and nozzle pressure, Underwriter's formula, parallel lines, Wyed lines, aerial stream calculations, relay pumping, mobile water supply, fire streams, four hydraulic laws of friction loss, and fire fighting foams and foam systems.

FSMT299 Sophomore Seminar in Fire Science (3 semester hours)
This course is a culminating course for the Associate of Science in Fire Science degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Fire Science. The student will complete an approved academic project or paper that demonstrates his or her grasp of the fire science field. This is a culminating course to be taken after all other Associate of Science in Fire Science courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Fire Science Program.

FSMT311 Fire Dynamics (3 semester hours)
This course focuses on fire behavior and includes topics such as fire chemistry, science, interaction with the environment, and reaction to chemical and/or natural elements involved in a response. The student will be able to understand the fundamental principles related to structural fire protection, building furnishings, and fire protection systems. physical properties of the three states of matter. The components and dynamics of fire, the process of burning, suppression agents and strategies, and the methods and techniques of fire extinguishment will be covered in the course.

FSMT320 Fire Protection Structure and System Design (3 semester hours)
This course examines design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, alarm systems, sprinkler innovations, evaluation of sprinkler system designs, and specialized suppression systems. Advanced fire suppression systems must be properly designed and the occupants must be properly trained to react in concert with the life safety systems and the fire department. Knowing how the different design systems function and how they protect a space or process aids in the interaction with owners, engineers, architects and contractors. The importance of a good relationship between the authority having jurisdiction and those charged with the enforcement of the code is considered.

FSMT321 Community Fire Mitigation and Protection (3 semester hours)
This course is a study of the leading theory and practice associated with community fire mitigation, planning, protection, response, and recovery. Topics of the course include fire-community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, and other issues. Concepts in Code enforcement, investigations, and the historical, social, and cultural influences on fire prevention are discussed. The students will look at the economic, and governmental and departmental influences on fire prevention. Fire prevention programs will be evaluated and prepared.

FSMT340 Incendiary Fire Analysis and Investigation (3 semester hours)
This course is designed to meet the levels of mastery established by the National Fire Academy, NFPA 1021 and NFPA 1033. These standards are agreed upon by professionals across the fire service community as the foundational benchmarks that all individuals should know at the completion of this course. This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation strategies, and shaping the future.

FSMT362 Fire Administration and Finance (3 semester hours)
This course examines the relationship of fire administration and the role of executive fire administrators in the administration of complex issues in a dynamic environment. The course covers political, legal, financial, and ethical issues faced by fire administrators within the context of public administration. Topics include examination of the effects, influences, challenges, and opportunities of public and private fire functions and roles.

FSMT405 Fire Safety and Risk Regulation (3 semester hours)
This course establishes the foundation of history, knowledge, and processes to assist the Risk Manager or Fire Department Safety Officer achieve his or her goal in preventing firefighter injury and death. The Safety Officer is a position mandated in Hazmat and Terrorism/Homeland Defense responses and it is a good idea for all responses to keep the safety of responders in first place as well as the community. The course includes a study of the leading theories and practices associated with risk management and emergency scene safety. This course focuses on citizen and responder fire safety and risk reduction through prevention, response, and recovery phases of fire operations. Topics include risk reduction planning, equipment, communications, and procedure, among others.

FSMT410 Fire Regulation, Policy, and Law (3 semester hours)

This course introduces the student to many areas of fire laws and regulations. The main purpose of this course is to introduce you to the laws and regulations that will impact your work. This course enables the student to acquire a basic knowledge of the law in each of the specified subject areas that directly or indirectly affect fire services by providing a basic knowledge of the methodology through which to locate, read and comprehend the various statutes and regulations surrounding fires. This course focuses on public policy, law, and regulation concerning fire mitigation, response, and recovery. Legal issues and risk are addressed as topics in the course, as are general and specific national, state, and local fire regulations and public law.

FSMT475 Applications of Fire Research (3 semester hours)

This course focuses on the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes structural fire safety, automatic detection and suppression, life safety, and fire fighter health and safety. This course examines tools and techniques of rational decision making in fire departments, including databases, statistics, probability, decision analysis, utility modeling, resource allocation, cost-benefit analysis, and linear programming. This course involves selecting a fire-related topic, developing research objectives, a proposal, and a plan using a quantitative or qualitative research design for the completion of a final research paper.

FSMT498 Senior Seminar in Fire Science (3 semester hours)

This senior capstone course allows students majoring in fire science to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Fire Science courses have been satisfactorily completed. Students must have submitted a graduation application and have been cleared by the graduations department prior to registering for this course.

Foreign Languages (ARAB)

ARAB100 Arabic I (3 semester hours)
This course will introduce the student to the fundamentals of the Arabic language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of Arabic speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

ARAB101 Arabic II (3 semester hours)
This course is a continuation of ARAB100, Arabic I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. (Prerequisite: ARAB100)

Foreign Languages (FREN)

FREN100 French I (3 semester hours)
This course will introduce the student to the fundamentals of the French language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of French speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN101 French II (3 semester hours)
This course is a continuation of FREN100, French I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions.* The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

Foreign Languages (GERM)

GERM100 German I (3 semester hours)

This course will introduce the student to the fundamentals of the German language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of German speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

GERM101 German II (3 semester hours)

This course is a continuation of GERM100, German I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions.* The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

Foreign Languages (JAPN)

JAPN100 Introduction to Japanese (3 semester hours)

This course introduces students to the fundamentals of the Japanese language using an online immersion technique developed by Rosetta Stone. Students will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. Students will also learn about Japanese culture. Please note the technical specifications below. These are required to interface with the online language content provider. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. • The ability to download and install the speech component. • A working microphone installed on the computer for speech recognition. • Access to streaming media is also required and should be confirmed before registering for the class.

Foreign Languages (PORT)

PORT100 Introduction to Brazilian Portuguese (3 semester hours)
This course will expose the student to the fundamentals of Brazilian Portuguese. The student will learn basic vocabulary, verb conjugations and grammatical usage through workbook and listening exercises. The student will also learn about Brazilian culture through reading and listening exercises. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. • The ability to download and install the speech component. • A working microphone installed on the computer for speech recognition. • Access to streaming media is also required and should be confirmed before registering for the class.

Foreign Languages (RUSS)

RUSS100 Russian I (3 semester hours)

This course will introduce the student to the fundamentals of the Russian language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Russian culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

Foreign Languages (SPAN)

SPAN100 Spanish I (3 semester hours)
This course will expose the student to the fundamentals of the Spanish language. The student will learn basic vocabulary, verb conjugations and grammatical usage through workbook and listening exercises. The student will also learn about the Spanish culture through reading and listening exercises. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

SPAN101 Spanish II (3 semester hours)
This course is a continuation of SPAN100, Spanish I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. Workbook and listening exercises will be a major component of the course. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

Foundations (COLL)

COLL098 Classroom Success (0 semester hours)
This course will help students succeed in the APUS classroom environment. It introduces the student to the Sakai learning management system. APA citation style will also be reviewed as well as current policies on plagiarism and how to avoid it. Last, classroom expectations will be covered. This course is not for credit towards any program requirements and this version of the course is for Non U.S. students only and registration is only available through special partnership programs.

COLL099 Classroom Success (0 semester hours)
This course will help students succeed in the APUS classroom environment. It introduces the student to the Sakai learning management system. APA citation style will also be reviewed as well as current policies on plagiarism and how to avoid it. Last, classroom expectations will be covered. This course is not for credit towards any program requirements and registration should be only for those students enrolled in an Undergraduate Learning Tracks Program.

COLL102 Learning Strategies (3 semester hours)
This course is designed to assist students in mastering and applying the learning skills and cognitive processes required for successful college-level work. In addition, the course is a foundational piece of the Pathways to Success strategy to return student to good academic standing.

COLL200 Prior Learning Assessment Seminar (3 semester hours)
This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop and achieve educational goals as they learn about learning styles and theories. Students will identify prior learning and will be introduced to methods by which they can demonstrate that learning. Students will develop and submit at least one portfolio for assessment. Students are able to submit portfolios for additional classes after course completion. The evaluation fee for additional portfolios is $250 per portfolio.NOTE: students must be admitted to the PLA program before registering for this course. For information about the prior learning assessment program admission requirements, please visit http://www.amu.apus.edu/admissions/general-information/pla.htm or http://www.apu.apus.edu/admissions/general-information/pla.htm.

COLL300 Research, Analysis, and Writing (3 semester hours)
This course outlines basic study and research techniques, the use of libraries, and the importance of research methodology and analysis across disciplines. It is a writing intensive course that requires a sound understanding of written communication. Students enrolling in this course should be familiar with proper citations and documentation, grammar and syntax, organizing their writing, and parts of a paper. (Prerequisite: ENGL102 or ENGL200).

COLL498 Senior Seminar in General Studies (3 semester hours)
In this course, students will develop an independent interdisciplinary project showcasing learned knowledge, academic and research skills, writing abilities, and presentation strategies. Approved projects will demonstrate application of prior coursework, the interdisciplinary nature of the program of study, and substantial researched knowledge that demonstrates the ability to synthesize and broadly integrate subject-specific and cross-disciplinary knowledge and to connect theory and application. This course also addresses capstone work by considering overall academic accomplishments in light of specific personal and career goals. COLL498 is to be taken after all other General Studies courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: COLL300 AND Senior Standing)

COLL501 Analytical Writing for Graduate Students (3 semester hours)
The intent of this course is to encourage and foster the graduate student's analytical thinking and written communication skills. Students will learn advanced analytical techniques and communication strategies that professors at the graduate level across all academic areas expect them to know. Exposed to challenging ideas and potentially new strategies in examining a variety of topics, students will be expected to focus upon critical thinking principles and theories within those topics and then respond to assignments that require them to produce critical essays and a course project. Students will hone their reasoning skills through engagement in the forums and sharpen their writing skills through multiple drafts of papers with substantial feedback from their peers and their instructor. The culmination of the course will be a project that demonstrates the student's growth as a thinker and as a writer.

COLL599 Classroom Success (0 semester hours)

This course will help students succeed in the APUS classroom environment. It introduces the student to the Sakai learning management system. APA citation style will also be reviewed as well as current policies on plagiarism and how to avoid it. Last, classroom expectations will be covered. This course is not for credit towards any program requirements and registration should be only for those students enrolled in a Graduate Learning Tracks Program.

Government Contracting and Acquisition (DEFM)

DEFM200 Fundamentals of Contracting and Acquisition (3 semester hours)
This course provides an in-depth examination of federal acquisition practices, policies and procedures, to acquaint managers and non-contracting personnel with the acquisition process and compliance issues. Contracting and acquisition fundamentals reviews contract planning, contract execution, and contract management as part of the acquisition process. They will learn basic mission support planning strategies, how to research the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS); additionally, students will learn how effective market research and socioeconomic programs support the FAR and DFARS acquisition planning process as well as its implementation. They will examine the process, problems and issues of solicitation and contract award. Instruction will also include: benefits of early industry involvement in shaping requirements; basic procedures for acquisition of commercial and noncommercial requirements; basic competitive acquisitions; awards processing; management of contract award protests; contractor performance metrics; contract changes procedures; disputes; and close out procedures of completed contracts. This course is designed for personnel new to the contracting career field or non-contracting personnel who play a role in the acquisition process. No prerequisite.

DEFM305 Acquisition Business Management (3 semester hours)
Deals with common financial issues in acquisition that include cost estimating; earned value analysis; Planning, Programming, Budgeting and Execution (PPBE); congressional enactment; and budget preparation and execution. In this course, the student will prepare, justify, and defend budget exhibits and obligation/expenditure plans; formulate impact/reclama statements and reports; and develop and defend business aspects of the acquisition and PPBE cycle.

DEFM310 Program and Acquisition Management I (3 semester hours)
This course is an introduction to the requirements of successful program management in the DOD. The course will look at the entire systems acquisition cycle from the point of view of government requirements and the efforts of the civilian contractor to bring the system to Full Operational Capacity.

DEFM311 Program and Acquisition Management II (3 semester hours)
This course of instruction addresses the DOD acquisition process once the government has decided that it must seek the enormous resources of the private industry. The scope of this course specifically addresses the formal process by which the DOD requests (or solicits) industry to respond to their needs and requirements. The course also outlines the evaluation process and evaluation criteria used by the government to evaluate and select the winning proposal. The course will review the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS). Additionally the course will review the current policy in the DOD to outsource to the private sector (non-DOD sources) the tasks and functions previously performed by in-house government workforce. (Prerequisite: DEFM310)

DEFM312 Defense Budget Development and Execution (3 semester hours)
This course is a study of the process by which the acquisition, personnel, and readiness (operations and maintenance) portions of the annual Defense Budget are integrated and executed. Students will learn of the politics behind the issues and will gain an appreciation for the complexity of the process. Following an in-depth review of the political scope of budgeting, the course will shift into a study of how budgeting actually works at each stage of executive and legislative action. From the preparation of the service and agency budgets, through the presentation of the president's budget, to the actual appropriation and expenditure of funds, the student will apply his knowledge of the politics of the process to appreciate the problems and issues in defense budgeting.

DEFM314 Military Logistics (3 semester hours)
This course is a survey of the role of logistics in support of warfighting from ancient times to the present. Students will analyze these warfighting efforts in terms of principles of logistics.

DEFM332 Transition and the Military Family (3 semester hours)
This course is designed to provide students with knowledge of the theoretical and practical aspects of managing transitions, with a focus on those issues incumbent on the military family. Course topics include change and choice, psychology of the self, interpersonal relations, health, dysfunction, grief, and building a life-career. Particular attention is focused on these topics' application to the military family lifestyle, to include deployment separation, reunion, marriage and family, parenting, military casualty, and life-career. The following questions appear as themes throughout the course: what is transition; what transitions do military families experience; what are the affects on the body, mind, spirit, and interpersonal relationships; what is resilience; and how does one create a plan to strengthen resilience?.

DEFM351 History of Military Retention (3 semester hours)
This course starts with the Revolutionary War and progresses through all major events in United States history which impact upon the military retention process. The correlation between the nation's history and military retention policies have direct connections that will be examined closely to develop a better understanding for military counselors and other interested students. Understanding the history of retention provides the background for those who want to avoid past mistakes. It also helps the professional military counselor to place retention needs in a historical context when developing career counseling programs.

DEFM410 Program Appraisal (3 semester hours)
This course is designed to develop the basic skills essential to evaluate public programs. Knowledge of the policy process and of research methods are brought together in the execution of an ethical evaluation of how well the processes, and outcomes of a program meet the needs at which the program is targeted. This course will introduce the basic concepts of planning and carrying out an evaluation, the most commonly used analytical tools, and cost-benefit and cost-effectiveness methods. It will also introduce the basic format of evaluation reports.

DEFM415 Acquisition Test & Evaluation (3 semester hours)
Emphasizes the basic test and evaluation (T&E) principles, policies, organizations, processes, and practices used by DOD. Course topics include the role of T&E in systems acquisition, T&E planning, experimental design, measurement of systems effectiveness and suitability, instrumentation, and data collection and management. Also covered are reliability, maintainability, and availability of systems; analysis and evaluation; software; modeling and simulation; and T&E of alternative acquisitions. Problem-solving situations engage students in the use of T&E concepts, principles, and theories.

DEFM420 Cost Analysis and Negotiation Techniques (3 semester hours)
This course introduces methods and techniques necessary to analyze a contractor's cost proposal and to develop a Government negotiation objective. Students will apply the cost analysis techniques to analyze a contractor's proposal and develop a cost objective. The course also introduces negotiation terminology, styles, and techniques. No prerequisite.

DEFM421 Joint Contingency Contracting (3 semester hours)
This course develops skills for contracting support provided to Joint Forces across the full spectrum of military and disaster relief operations. Exercises focus on unique aspects of contingency, critical thinking skills, and the execution of appropriate contractual instruments. No prerequisite.

DEFM422 Mission Support Contracting I (3 semester hours)
This course involves a series of case studies where students demonstrate their ability to develop and execute business strategies to meet customer requirements. These cases help develop critical thinking, customer needs analysis, procurement strategy development, and source selection skills necessary for successful contract performance. No prerequisite.

DEFM423 Mission Support Contracting II (3 semester hours)
This course involves a research paper in which professionals apply the knowledge and skills to demonstrate their ability to negotiate fair and reasonable prices and to consider the legal implications for various contract situations. The research paper helps develop critical thinking, cost analysis, negotiation, and contract administration skills necessary for successful contract performance.

DEFM424 Overhead Management of Defense Contracts (3 semester hours)
This course provides an understanding of industry overhead costs and the costs' impact on seller pricing/business strategies under various acquisition environments with differing contract types. Attendees will understand the development and application of overhead rates used in contract formation, administration, and closeout. The course-integrating case study provides hands-on application of the overhead-rate process in which attendees determine their own final overhead rates. No prerequisite.

DEFM499 Senior Seminar in Government Contracting and Acquisition (3 semester hours)
This course is a unique forum for senior personnel in the contracting career field to examine a wide range of policy issues. This seminar provides the most current information on new and emerging procurement regulations within the context of the federal public policy process. Students will develop a professional profile and report of new and emerging policy, changing responsibilities of the contracting and acquisition workforce, and personal actions needed for professional growth.Prerequisite: Completion of a minimum of 106 hours towards your program.

Health Information Management (HIMA)

HIMA100 Medical Terminology (3 semester hours)
This course is a basic study of the professional language of medicine. It is designed to include word construction, pronunciation, spelling, definition and use of terms related to all areas of medical science, hospital service and health related professions. The course uses a systems based approach that provides students with the skills and knowledge necessary to derive meaning from common medical terms. Students will deconstruct medical word construction and language, as well as the derivation, roots, prefixes, and suffixes. Various structures and organization of bodily systems will also be examined.

HIMA110 Introduction to Health Information Management (3 semester hours)
The purpose of this course is to introduce the students in Health Information Management to the historical development of the health care field with emphasis on the organizational structure of health institutions: federal, state, local agencies and allied health associations. The course also addresses the theoretical and practical applications of health information management, the Health Information Department, its functions, and an overview of the American Health Information Management Association (AHIMA). The course includes definitions of, standards for, and the development of the health record (both electronic and paper-based) as to content, format, evaluation, completion, legal and regulatory aspects and automation. The course content also consists of numbering systems and methods; the use of accessory equipment and technology; conversion systems; the master patient index; filing systems and control; evaluation methods; electronic health records, and supplies and equipment. Documentation issues, along with indexes, registers, and health data collection are also introduced.

HIMA200 Legal Aspects of Health Information Management (3 semester hours)
This course focuses on the legal system and procedures, ethics, control and use of patient-specific health information. Student will analyze the major external forces affecting the HIM professional's ability and responsibility to manage patient-specific health information. In addition it also addresses specialty matters such as healthcare fraud and abuse in health information management (HIM). Students will examine the impact that e-mail, digital imaging, telemedicine, and the Internet are having on health records, and analyze laws, regulations and standards related to patient confidentiality and privacy.(Prerequisite: HIMA110)

HIMA220 Classification Systems I (3 semester hours)
This course will introduce the student to the principles of taxonomy. The course will include purposes of classifying diseases, clinical vocabularies, and terminologies/nomenclatures. The interaction of different Prospective Payment Systems with classification systems will be emphasized. Data quality, the Uniform Hospital Discharge Data Set as well as coding/sequencing guidelines and advanced topics in diagnosis and procedural coding.Prerequisites: BIOL201 AND HIMA100.

HIMA230 Classification Systems II (3 semester hours)
This course will introduce the student to the principles of taxonomy. The course will include purposes of classifying procedures, clinical vocabularies, and terminologies/nomenclatures. The course will include purposes of coding for professional services, ambulatory services and procedures. The course will properly instruct the student on the proper usage of CPT and HCPCS code books. The interaction of different code systems such as the Prospective Payment Systems (PPS) with classification systems will be emphasized. Data quality, the UACDS as well as coding/sequencing guidelines will be examined. Coding and indexing of procedures using various classification systems and nomenclatures. The interaction of different Prospective Payment Systems with classification systems and data quality will be emphasized.Prerequisite: HIMA220.

HIMA240 Healthcare Reimbursement Methodologies (3 semester hours)
This course provides students with a foundation of the basics of health insurance and public funding programs, managed care contracting, and payment for services. The content focuses on health insurance plans, government-sponsored healthcare programs, managed care plans, fee schedules, resource-based relative value system for physician payment and prospective payment for various inpatient settings. Students will examine various reimbursement methodologies, and the interconnection between clinical coding, compliance, and reimbursement. Within this, revenue life cycle management will be studied and its impact on provider financial stability. (Prerequisite: HIMA110)

HIMA250 Healthcare Delivery Systems and Documentation (3 semester hours)
This course will introduce students to the healthcare delivery systems including organization, accreditation, licensure, and regulatory agencies. Students will examine the historic development, organization and characteristics of the health care delivery systems; current payment and reimbursement systems for each healthcare delivery systems; accrediting agencies applicable to health care; the functions of health care providers; organizational patterns of health care facilities; medical staff organization and bylaws. The work of accrediting, licensing, and certifying agencies, such as that of the Joint Commission, the American Osteopathic Association, Medicare, and Medicaid will be discussed in detail for each health care area. (Prerequisite: HIMA110)

HIMA310 Electronics Health Records Fundamentals (3 semester hours)
This course examines the emerging technology of Electronic Health Records through conceptual theory of health information systems used in health care delivery systems including terminology and essential concepts of health information systems. An overview of varied automated administrative, clinical and financial systems is given. Additionally, the course covers structure of electronic health records (EHRs). Content includes overview of health care industry's transitioning to electronic health record systems, components of EHRs, technologies used for input into EHRs, and privacy and security issues affecting access to and use of patient information.

HIMA350 Compliance (3 semester hours)
The purpose of this course is to familiarize students with the concept of Quality and the process of Quality Improvement across the Health Care continuum. This course focuses on the history and evolution of quality, its terms, principles, theories, and practices. The student is introduced to a diverse collection of methods of improving quality, including but not limited to continuous Quality Improvement and Total Quality Management, and to the guidelines for implementing quality management and the continuous quality improvement processes. Students will also be exposed to new cutting edge technologies that impact the quality improvement efforts/interventions in health care delivery that make quality health care more safe, timely, effective, equitable, efficient, and patient-centered.

HIMA360 Health Informatics Project and Enterprise Management (3 semester hours)
This Project Management course examines project management in theory and practice and the roles and responsibilities of the health information project manager. The course offers a practical approach to managing projects, focusing on organizing, planning, and controlling the efforts of the project. Additionally, this course covers project, enterprise, financial and contract managements in a health information environment. Students will examine system selection processes and develop negotiating skills in the selection process. The principles and approaches to the assessment of quality in health care and how this impacts the role of the health information manager will be examined.

HIMA410 Informatics and Analytics (3 semester hours)
This course offers an overview of the field of health informatics and analytics by providing students with the fundamental knowledge of the concepts of health informatics applications as they relate to the collection, storage, retrieval, communication and optimal use of health related data and how technology can be used in the delivery of health care. The basic principles of health informatics and analytics that govern communication systems, clinical decisions, information retrieval, telemedicine, bioinformatics and evidence based medicine will be explored.

HIMA460 Healthcare Data Management and Governance (3 semester hours)
This course is designed to give the student an insight into the procedures and techniques that can be used to analyze health care data. The course will focus on the "how to" of systems by demonstrating fundamental skills and techniques that can be applied immediately to the management and governance of healthcare data. This course covers fundamentals of health care workflow process analysis and redesign as a necessary component of complete practice automation.

HIMA497 Health Information Management Practicum (3 semester hours)
This guided health information management (HIM) practicum provides an overview of health information services with hands-on and reality-based experiences in a health information department, or related site that will reinforce and enhance classroom learning. Students will also acquire technical skills through guided simulated online lab activities designed to simulate the activities that would be completed in an HIM department setting. Students will evaluate and utilize relevant HIM computer and software applications. This course is intended to give the student practical experience in HIM, and during the course students will employ practical application of previously studied theory, principles, and knowledge in data retention, retrieval, storage assembly, deficiency analysis, physician communication, and release of information. Prerequisite: Students may take the practicum after all other Major Required courses are completed.

HIMA499 Senior Seminar in Health Information Management (3 semester hours)
This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in health information management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. PREREQUISITE: Students may only take this course after the completion of all CORE courses.

Healthcare Administration (HCAD)

HCAD498 Senior Seminar in Health Sciences (3 semester hours)
The Health Sciences Senior Seminar is a cumulative project consisting of key concepts, theoretical knowledge, critical thinking, practical application, and real-world decision-making relative to the program objectives and courses completed throughout the program. Students will integrate critical analysis with healthcare disciplines and synthesize ethical standards in decision-making to achieve organizational goals. Students will discuss real-world scenarios and applications to the ever-changing healthcare industry and environment. The seminar project enables students to demonstrate skills of leadership, management, and systematic problem solving.

History (HIST)

HIST101 American History to 1877 (3 semester hours)
This course is a survey of United States history from the earliest European settlements in North America through the end of Reconstruction and emphasizes our nation's political, economic, and social development, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST102 American History since 1877 (3 semester hours)
This course is a survey of history of the United States from the end of Reconstruction to modern times. Emphasis will be placed on internal expansion, inherent isolationism, America's road to becoming a world power, and the development of the concept of America as the "policeman" of the world.

HIST111 World Civilization before 1650 (3 semester hours)
This course is a survey of the history of the human community from the dawn of civilization to 1650. Emphasis is placed on the origins and achievements of the core civilizations of Asia, Europe, Africa and the Western Hemisphere. It stresses the interrelations of societies and cultures of the past, comparing and contrasting the experiences of peoples and civilizations with one another.

HIST112 World Civilization since 1650 (3 semester hours)
This course is a survey course in the history of the human community from 1650 to the present. It covers the origins, development and achievements of the major civilizations and stresses the interrelations of societies and cultures of the past, comparing the experience of peoples and civilizations with one another.

HIST121 Western Civilization before The Thirty Years War (3 semester hours)
This course is a survey of the history and culture of the Western Civilization from the ancient civilizations of the Near East, through the rise of the classical civilizations of Greece and Rome, to the beginnings of Europe's Early Modern period. Emphasis is placed on the examination of the major political, social, economic and religious developments of European history.

HIST122 Western Civilization since The Thirty Years War (3 semester hours)
This course is a study of the history and culture of the Western world, from the beginnings of Europe's Early Modern Period to the present. It covers the major political, social, economic, religious and cultural developments, since the thirty years war.

HIST213 History of Women in the United States (3 semester hours)
This course has been designed as an introduction to the history of women in the United States from the colonial period to the present. It will be surveying the field of American women's history in order to understand how specific political, social and economic transformations in the nation's past have affected the female half of the population. Throughout, it will remain attuned to ethnic and racial diversity and to regional differences and class distinctions in the lives of U.S. women. It will look at women's culture, as distinct from the dominant male culture, and analyze women's writings, art, life cycles and sexuality. It will work to understand the collective lives of women as workers, family members, reformers, and political activists as well as the individual experiences of women in the U.S. from the colonial era into the 21st Century.

HIST221 African-American History before 1877 (3 semester hours)
This course examines the complex and varied experiences of African Americans from slavery to 1877. Topics include West African roots, the middle passage, American slavery and resistance, the development of racism, the Civil War, and Reconstruction. The course will examine internal and external factors that shaped the black historical experience economically, culturally, and politically. While the class is designed to proceed chronologically, important themes such as the development of racism, abolitionist thought, the slave community, and the impact of free blacks will be emphasized.

HIST222 African-American History since 1877 (3 semester hours)
This course surveys the economic, cultural, and political facets of the African American experience from 1877 to the present. Topics of African American history will be examined, such as Jim Crow laws, the Harlem Renaissance, the Civil Rights Movement, and Black Power. While the class is designed to proceed chronologically, themes such as military and diplomatic policies, migration and urbanization, black political thought, and popular culture will be emphasized.

HIST223 History of the American Indian (3 semester hours)
This course surveys American Indian history from before Columbus to the present. It emphasizes the American Indians' political, economic, and social development, the emergence of the principles that guided them into the 21st century, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST225 West Virginia Studies (3 semester hours)
In this course, students will review the geographical, cultural, economic, and political aspects of the state with an emphasis on the events leading up to statehood and beyond. Local traditions and state sectional patterns are stressed and examined in the context of assimilation into the national body politic.

HIST230 History of East Asia (3 semester hours)
This survey course traces China's social, political, and cultural developments from the dynastic period to the present. Through this process, this course will examine the Chinese dynastic system, the rise of Confucianism, the adoption of Buddhism, technological developments, and explores the great diversity and impressive continuities of traditional Asian civilization. Additionally, students will explore the historical transformations that have led to the development of modern Asia as well as how China has historically impacted all of Asia. No prerequisite.

HIST270 History of Science (3 semester hours)
Science is unquestionably central in shaping our modern world. Though often directed by the "big science" efforts of universities, global corporations, and nations, it is the individual scientist that populates these scientific communities. It is at this individual level, both professionally and personally, that science touches us most directly. Students earn advanced degrees in a wide range of specialties like physics, biology, and chemistry. Science is also a central component in related fields of medicine, geology, genetics, ecology, cosmology, and technology. On the personal level we encounter science everyday when we eat genetically enhanced food, take complicated medicines to combat illness, debate the origins of life, strive to understand new information about ourselves in the universe, use advanced technologies, and in many more ways. These scientific developments do not emerge instantaneously from a vacuum. To fully understand science, one must have an appreciation of its history and how it has developed over time. The latest scientific advance is merely a snapshot of the present, and only looking at this image obscures our appreciation of the dynamic interaction between science and culture, and the ways that national, institutional, and individual goals have determined its trajectory. This broader perspective, gained only by the study of the history of science, serves as our central mission in this class.

HIST290 History of the Holocaust (3 semester hours)
This course is an overview of the major historical, political, cultural, religious, and military issues associated with the Holocaust. It will examine how the anti-Semitic propaganda of the early Nazi Party manifested itself into a legitimate political platform, evolving into state sponsored legal legislation, and culminating into an industrialized killing industry. Students will be introduced to the principle historical figures, events and time lines regarding the birth of the Nazi Party, their taking control of the German nation, and finally their political and military actions against those deemed 'subhuman'. In addition, students will also become well-versed in The Hague and Geneva Conventions regarding the roles of the military and the protective status and qualifications of noncombatants.(Prerequisite: HIST300/HS334 for History and Military History majors only).

HIST300 Research Methods in History (3 semester hours)
The purpose of this course is to prepare the student for upper-division course work, research, and writing based on historical methodologies such as quantification or paleography. It is designed to familiarize the student with what historians do and how they do it, and affords the student the opportunity to develop their own skills as a historian by interpreting and evaluating primary and secondary source material and presenting their findings in a written, properly referenced format.

HIST301 Ancient Greece (3 semester hours)
This course covers the history of the Greek speaking peoples from the origins of Greek civilization during the Bronze Age to the dispersion of Greek culture during the Hellenistic era through the conquests of Alexander the Great. The topics emphasize the political, social, cultural, and economic institutions and values that Hellas created to revolutionize Ancient Mediterranean history. Students gain an introduction to the history of Greek civilization and a deeper understanding of the nature of democracy, and the relationships among politics, art, literature, and the ideals of civic virtue. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST302 Ancient Rome (3 semester hours)
This course will study the history of Ancient Roman civilization from the founding of the Republic in 735 BC to the fall of the western empire in 476 AD. Roman political, military and cultural events and personalities will be the focus of this course. Interaction and conflict with neighboring Mediterranean, western tribal, sophisticated eastern, and later barbarian cultures will serve as the thematic core. The course will also examine the lasting impression and influence of Ancient Roman civilization on European and Western culture.(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST303 The Middle Ages (3 semester hours)
This course will cover the history of Europe from the 4th/5th century when the Roman Empire was ending to the middle of the 14th century when the new nations were fully defined. Starting with the fall of the Romans and the effect of that fall on Europe, the course will cover the arrival of the "barbarian" invaders, the reign of Charlemagne, the rise of separate, new European states such as France, England and Germany as well as the Church, the relations between these states and with the Byzantine Empire, the period of the Crusades, and the development of different government systems in the various European nations.(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST304 The Renaissance (3 semester hours)
This course is a survey of Western Europe from 1350 to 1600. It examines the political, military and social events surrounding the re-birth of classical knowledge and artistic expression in Italy known as the Renaissance. The course also traces the movement of the Renaissance northward, focusing on the coming Reformation era. The last part of the course studies the Protestant and Catholic Reformations to include how the Reformations effected the growth of the modern nation-state. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST305 France in the Age of Enlightenment (3 semester hours)
This course examines the "Age of the Enlightenment" in France with the reigns of King Louis XV and Louis XVI. Through readings of the functioning of the monarchy, on the world of everyday peoples in Paris and the countryside, and the intellectual climate of the era, students will be able to reconstruct the time known as "the ancient regime." The class will also analyze readings by authors such as Diderot, Voltaire, DuChâtelet, and Rousseau to gain a sense of the intellectual excitement of the "Enlightenment."(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST306 The British Empire (3 semester hours)
This course examines the British Empire from the late 18th century to the 1960s. It includes the settler colonies, the colonies inhabited almost exclusively by non-European peoples, and the "informal empire" of trade and investment as well as the impact of the Empire upon the British Isles. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST307 The Age of Dictators: Europe 1914-1945 (3 semester hours)
This course focuses on the great crises of 20th century European civilization, from the outbreak of war in August 1914 to the defeat of Hitler Germany in May 1945. Through novels and historical monographs, it explores the effects of total war and mass mobilization on the industrially advanced state systems of the period, as well as the social emancipation, economic disintegration, and cultural innovation brought on by the great wars of the period. Particular attention is paid to the experience of the "great powers" (Germany, the Soviet Union, Britain and France), which is supplemented by student research on the smaller countries of Europe. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST308 History of European Colonialism (3 semester hours)
This course explores European colonial history from the fifteenth century to the present. It takes into account the exploration, colonization, and decolonization of the Americas, Africa, Asia, India and the Middle East by three major European powers: Britain, France, and Spain. The actions of these countries, among others in Europe, affected the areas they colonized and the indigenous populations for generations to come. This course will focus on the expansion of European empires, the consolidation, management, and disintegration of the empires.Prerequisite - HIST300/HS334 for History and Military History majors only.

HIST310 History of Modern Europe (3 semester hours)
The course evaluates European politics from the French Revolution to the industrialization process and effects in the late 18th and 19th centuries. Students assess the impact of military modernization and analyze the commercialization of the culture. An overview of politics and wars in the 20th century and their relationship to the fall and rise of the economy will be presented as well as the concept of European security. The forces of modernization, causes of war, and power of unification will be evaluated, with an emphasis on effects and divisions of the Cold War and democratization wave of the 1990's. It will examine the evolution of trade unions to a regional union with its effects on politics, economics and security, including case studies of regional terrorism. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST320 History of Russia (3 semester hours)
The course covers the history of Russia and its people from the medieval period up to the present. While student projects can be on any aspect of Russian history from any period, the emphasis in the classroom will be on political and social history from the period of reforms in the mid 19th century up to the fall of the Soviet Union. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST340 History of Africa (3 semester hours)
This course examines the history of Africa from the first periods in recorded history, through the colonial period and 20th Century. The focus is upon the major European powers that influenced the continent and the internal social, religious, political and economic dynamics specific to each region. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST350 History of the Middle East (3 semester hours)
This course examines Middle Eastern history from the era of Suleyman the Magnificent, the 16th-century Ottoman sultan, to the late 20th century. It traces the roots of current Middle Eastern politics to social changes-- as the region lost its pivotal role in the world economy in the 19th century but gained oil wealth-- and to the political aftershocks of colonial occupation a century ago. Themes include the emergence off dictatorship and violence in politics during the 20th century, and especially the conflicts centered on the emergence of Israel; the rise of new political ideologies, nationalism, liberalism, and Islamism; the rise of women's rights movements, and the reasons that political conflict has come to center on women's status; and the polarization of rich and poor classes that continues to destabilize domestic politics. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST360 History of Latin America (3 semester hours)
This course is a survey course of Latin American History. The subject is approached from two very different perspectives. The primary method is a comprehensive overview of Latin American history and theories important to the study of Latin America and the second provides the student with an overview of the history of individual Latin American countries. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST370 Asia and the Modern World (3 semester hours)
This course is a study of major national and international developments within East, Southeast, and South Asia, to include current key issues involving China, Japan, the two Koreas, Indonesia, Thailand, Pakistan, and India. This course focuses on issues in Asia that are important to the national security of the United States, particularly military, political, and economic issues. The course will also provide a close examination of U.S. relations with Asian nations. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST402 Colonial America (3 semester hours)
This course explores North American history from the dawn of the British colonization of North America tothe end of the French and Indian War in 1763, which sparked subsequent British Colonial Policy and thus set into motion the events leading to American Revolution in 1775. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST403 The Early Republic, 1783-1815 (3 semester hours)
The Early Republic, 1783-1815 examines the development of American political, social, and cultural institutions during the formative years of the new Republic. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST404 Jacksonian America, 1815-1846 (3 semester hours)
Jacksonian America, 1815-1846 examines the nature of Jacksonian democracy and its treatment in American historiography. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST405 Antebellum America, 1846-1861 (3 semester hours)
Antebellum America, 1846-1861 examines the divisive political, social, and economic forces which intensified in the 1840s and culminated in the Civil War. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation.(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST406 Civil War And Reconstruction, 1861-1877 (3 semester hours)
Civil War and Reconstruction, 1861-1877 examines the wartime problems of the Union and Confederacy, as well as the consequences of the war and the postwar efforts to create a new Union. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, military, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST407 The Gilded Age, 1877-1900 (3 semester hours)
The Gilded Age, 1877-1900 examines the rise of the United States as an industrial and world power with particular stress on the changing patterns within American society. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST408 The United States: 1900 to Second World War (3 semester hours)
This course examines the changes in American society at the end of the 19th century as it confronted the issues of industrialization, immigration, and urbanization. It explores the open conflict between the advocates of isolationism and collective security and examines the impact of World War I. It also examines the changing values of the 1920's, the stock market crash of 1929, the Great Depression that followed, and the prelude to the second world war.(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST409 The United States: WW II to the Present (3 semester hours)
The United States: WW II to the Present is a study of the political, economic, social, and cultural development of the United States from World War II to the Present. Topics include social and cultural changes in the 50s, 60s, 70s, 80s, 90s, and the first decade of the 21st Century; the United States foreign policy from the post-WWII "Cold War," to Korea, Vietnam, and other global confrontations between the United States and the communist world from Somalia, Grenada, and the First Gulf War to the most recent "War on Terrorism"; and the technological changes and their impact on the social and economical development of the United States.(Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST415 The Cold War (3 semester hours)
The Cold War developed between capitalist and communist nations—primarily between the United States and Russia—shortly after World War II and lasted until the early 1990s. Although the conflict is technically considered over, its impact is still felt in society, politics and economics even today. The Cold War often threatened to transform into a hot war, and actually did so periodically, such as in the Korean and Vietnam Wars. This course focuses on the development of the ideological conflict and its effects on politics, economics, technology, society and culture in both the East and the West. Prerequisite - HIST300/HS334 for History and Military History majors only.

HIST480 Special Topic: History (3 semester hours)
This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

HIST481 Special Topic: History Fall (3 semester hours)
This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

HIST482 Special Topic: History Winter (3 semester hours)
This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

HIST483 Special Topic: History Spring (3 semester hours)
This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

HIST484 Special Topic: History Summer (3 semester hours)
This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

HIST490 Independent Study: History (3 semester hours)
An opportunity for History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST491 Writing a Research Proposal (3 semester hours)

Preparation for the BA in History and Military History Capstone seminar begins on day one of a student's program of study. The theories, research methods and analytical skills, and substantive knowledge obtained through their BA curriculum provide the basis for the Senior Seminar. Students are required to develop primary and secondary source materials on their research topic and address the writing requirements as described in the syllabus and classroom assignments. The research proposal must provide a clear description of a question or problem and a proposed method of answering the question or solving the problem. This course should be the LAST course in your program prior to HIST498/MILH498 and should not be taken earlier in your program.

HIST498 Senior Seminar in History (3 semester hours)

The Senior Seminar in History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in history. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. (Prerequisite: HIST491)

Homeland Security (HLSS)

HLSS150 Introduction to Homeland Security (3 semester hours)
THIS COURSE IS ONLY OPEN TO TSA STUDENTS: This course will examine the essential characteristics of national and international acts of terrorism. Students will compose a historical timeline reflecting methods and outcomes used by national and international law enforcement and military agencies to counter and combat terrorism. Students will choose effective strategies to generate critical information for local, national, and international law enforcement agencies. Students will write clear, concise, and accurate reports to provide relevant information based on accurate data analysis and sound recommendations.

HLSS154 Mind of a Terrorist (3 semester hours)
This course explores psychological and behavioral perspectives of terrorism. Specifically, the course examines the circumstances underlying why people radicalize and join terrorist groups, engage in terrorist activities, assume various terrorist roles, and, in some instances, de-radicalize and disengage from terrorist activities.

HLSS211 Emergency Response to Terrorism (3 semester hours)
This course is designed to provide students with an understanding of terrorism in the world today. The course examines the history of international and domestic terrorist groups, both state and non-state actors. The course covers the legal aspects of terrorism and Weapons of Mass Destruction (WMD), the composition of WMD that threatens the world including chemical weapons, industrial chemical materials, biological agents, radiological and nuclear materials as well as explosives and explosive devices. The course also addresses the impact of the complexities of terrorism and Chemical Biologic Radiological and Nuclear (CBRN) Weapons on the emergency response community. The course will look at the pre-planning, mitigation, response, and recovery stages. The class will examine the actions necessary to bring the event to termination including: protecting the population and emergency responder, the roles of federal regulations to secure that protection; how the event is treated as a crime and the actions necessary to secure evidence and protect the environment.

HLSS212 Chemical, Biological, and Radiological Hazards (3 semester hours)
This course provides an in-depth study of the history of CBRN agent and material development and use by nations, nation-states, state-sponsored organizations, and terrorists. This course further examines CBRN threats worldwide and reviews CBRN Arms Limitations, Treaties, Organizations, Regimes and Agreements. Finally, the course discusses various approaches to deter use of CBRN agents, materials, and weapons.

HLSS215 Regulatory Issues in Weapons of Mass Destruction (3 semester hours)
This course focuses on the legal and regulatory issues associated with WMD response. Its topics include: associated public law, reporting authorities, jurisdictional and functional issues that govern organizational, technical, medical, scientific, moral/ethical issues, and, other aspects of response.

HLSS230 Chemistry of Explosives (3 semester hours)
This course offers explosive handlers, bomb disposal technicians and responders an introduction to the chemical make-up and associated hazards of explosive substances. The combination of challenging reference sources and instructional interchange immerses the student in the world of explosive compounds including the research and development behind many explosive compounds widely used throughout the world today. This combination of reference materials, website research and group-related projects, allows the new explosive handler to learn the scientific basis for the long lists of safety precautions involved when handling explosives. Topics include, but are not limited to, history of explosives; basic chemical composition of explosives; and, safety precautions and guidelines when approaching or handling explosives. It will also cover researching information sites and references for material ranging from basic safety precautions of explosives to the resources available for emergency handlers and responders. The course helps students understand the hazards associated with common explosive materials.

HLSS231 History of Explosive Ordnance Disposal (3 semester hours)
This course is a dynamic and information packed introduction to the history of incendiaries and explosives. Included is a short study of the origins of modern-day Bomb Disposal and Explosive Ordnance Disposal (EOD) Teams and their evolving techniques. The course examines areas and ideas from the ancient mystique of "Greek Fire" and the inventions of gunpowder and high explosives, up to modern-day nuclear reactions and weapons of mass destruction. The course provides an in-depth understanding and appreciation of the history and background of the science and mechanics applied to explosive technologies, and provides for a better understanding of those who work to render safe unexploded hazards.

HLSS232 Electronics, Electricity, and Explosives (3 semester hours)
This course is designed for Explosive handling technicians, police or military, or others who respond to incidents involving hazardous devices containing electrical and/or electronic components. Concepts covered include the important differences between electricity and electronics (E&E) from the scientific and technical perspective and the practical situational aspects of threats posed to any handler of suspicious E&E devices. Specific areas are covered in a logical and easy to digest manner and include the fundamental principles of Alternating Current (AC) and Direct Current (DC) including series, parallel, and series parallel circuits; hazardous device circuit component operations and capabilities; and, safety precautions and guidelines when dealing with circuits contained in hazardous devices. The course focuses on how to conduct research on information sites and references for basic circuitry and helps students recognize the technical aspects of circuit theory, components and capabilities required to effectively perform diagnostic procedures.

HLSS233 Explosive Incident Assessment: Methods, Practices, Protocols (3 semester hours)
This course is an overview of Explosive Ordnance Disposal (EOD). It provides a framework in which to evaluate Standard Operating Procedures (SOPs) utilized by military and civilian Explosive Ordnance Disposal teams and Hazardous Devices teams in the field. The extremely hazardous nature of these operations lends itself to a detailed evaluation of the methods; practices and protocols used during live ordnance and emergency response calls. Formal EOD guidance contained in military instructions and regulations, and Federal Codes of Regulation (CFRs) are examined as references and for operational compliance. They are evaluated for efficacy in meeting the often conflicting and demanding needs of EOD operators. Procedures covered include the full spectrum of military EOD Required Operational Capabilities. Included are high risk evolutions such as diving and demolition operations, parachuting and rappelling operations, and, response to weapons of mass destruction, and small arms employment under hostile and time constrained conditions. The vulnerability and risk of specific EOD procedures to terrorists' actions is defined, and proposed countermeasures are weighted for effectiveness. The application of industry "Best Practice" risk management processes is examined for application to the Explosive Ordnance Disposal field.

HLSS300 Research Methods in Homeland Security Studies (3 semester hours)
This course must be taken as the first course in the BA in Homeland Security program. This course prepares students to employ basic research methods and writing skills to produce sound research papers and analytical products. Students will learn how to develop the elements of a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

HLSS302 Introduction to Homeland Security and Defense (3 semester hours)
This course offers a broad overview of the key operational and policy areas the United States government employs to best ensure the security of the nation. Students will explore and discover central themes that frame the government's homeland security operations which emerged after the terrorist attacks of September 11, 2001.

HLSS303 Homeland Security Risk, Threats and Consequences (3 semester hours)
This course examines the homeland security threat landscape. Students will evaluate the risks and threats facing homeland security and discuss the consequences if they were realized.

HLSS305 Private Sector Homeland Security (3 semester hours)
The private sector is responsible for much of what has become known as the "homeland security enterprise." This course will address this expanding role and address the responsibility of private sector entities in securing the homeland.

HLSS310 Critical Infrastructure Protection (3 semester hours)
This course provides an overview of critical infrastructures and their relationships to one another. Critical infrastructure sectors will be analyzed to determine prioritization, potential areas of vulnerability to threats, and potential counter-measures that can be utilized. Students will explore issues pertaining to planning, securing, and responding to these infrastructures under serious threat to ensure continuity of operations. Factors that should be considered in the response to minimize disruption and improve first responder safety will also be discussed.

HLSS311 Border and Coastal Security (3 semester hours)
This course is a study of the federal, state and local organizations involved in border and coastal security, associated homeland security issues, the various policy and operational strategies used for border and coastal access and security, and contemporary border and coastal security concerns. Topics also include immigration and non-U.S. approaches to border and coastal security.

HLSS312 Port Security (3 semester hours)
Port Security is a survey course designed to provide students with a broad knowledge of port security issues. It will examine the critical importance of ports to trade and their vulnerability to disruption and attack. It will also examine several contemporary issues, including; the importance of sea borne trade to the North American and United States economies, the value of mega ports to sea borne trade, the vulnerabilities of ports to disruption and asymmetric attack, critical port security incidents such as the Halifax Explosion, and defensive measures to protect ports from disruption or asymmetric attack.

HLSS320 Intelligence and Homeland Security (3 semester hours)
The course examines the evolution of the role intelligence has played in the development of homeland security strategies. Particular focus is on the ways in which intelligence policy and oversight influence homeland security decisions.

HLSS322 Homeland Security Legal and Ethical Issues (3 semester hours)
This course provides an overview of legal and ethical issues in homeland security. Homeland security legislation and executive orders will be discussed, as will international law, conventions, and declarations. The central focus of the course is the balance of goals, strategies, and objectives for effective homeland security while preserving civil liberties. Issues surrounding intelligence and the use of surveillance, rights of U.S. citizens and foreign nationals, immigration, transportation security, and cyber security will all be examined.

HLSS323 Homegrown Violent Extremism (3 semester hours)
This course explores homegrown violent extremism in Western society that has significantly increased around the globe due to the inspiration of al Qaeda and similar groups. This course will examine the ideology of homegrown extremists and the different models of why and how people become radicalized and choose to take violent action against their fellow citizens. Also addressed in this course is the increasing use of social media to recruit and radicalize individuals, initiatives to counter homegrown violent extremism, as well as efforts to de-radicalize individuals.

HLSS498 Senior Seminar in Homeland Security (3 semester hours)
This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. Prerequisite: Completion of a minimum of 106 hours towards your program.

HLSS499 Independent Study In Homeland Security (3 semester hours)
This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Hospitality Management (HOSP)

HOSP100 Introduction to Hospitality Management (3 semester hours)
Hospitality Management is the largest service industry in the world. This course is an overview of the basis dimensions of professionalism, customer service, and sustainability to the major areas of hospitality management, and segments of travel and tourism. The background and historical development of the hospitality industry and its component areas are presented; employment opportunities and trends in each area are discussed.

HOSP101 Foodservice Sanitation (3 semester hours)
An examination of topics related to food borne diseases and how to control them, importance of employee personal hygiene and habits, and appropriate procedures for handling utensils and equipment. Key terms and real-world food safety case studies are reviewed.

HOSP110 Practical Food Safety and Awareness (3 semester hours)
In a developed country, one can often take for granted the safety of the food supply. 1 in 6 Americans get sick from foodborne illness annually, with an estimated 128,000 requiring hospitalization and resulting in approximately 3,000 deaths annually. Practical knowledge in safe food sourcing, storage, preparation and serving is addressed along with providing tips for practical awareness of techniques for staying safe. In a global society, food safety is not just a local issue, and everyone should have a working knowledge of food safety and what to look for to remain free of foodborne illness. In this course, students will learn general techniques for preparing and consuming food that is free from harmful pathogens, incorporating the flow of food from purchasing through storage and preparation to serving. Students will explore contemporary and cross cultural issues surrounding food safety in a global society. Practical knowledge about preparing safe food and red flags to watch for when dining out will be explored. Students will learn where to find information on health inspection reports, foodborne illness outbreaks and recall alerts, and will know where to report any suspected foodborne illness or suspicious activity related to the food and water supply.

HOSP200 Food and Beverage Management (3 semester hours)
Introduction to the principles of the food and beverage management; attention is focused on major industry segments, business practices and trends. Subsequently, detailed consideration is given to the components of the foodservice system: marketing, menu planning, logistical support, production, service, controls, and quality assurance. Product and systems differentiation in various industry segments are emphasized throughout.

HOSP201 Restaurant Operations Management (3 semester hours)
A study of operation and management of a full-service restaurant, course topics include operational issues, customer satisfaction, restaurant trends and challenges, financial accountability, service issues, and management development. Various aspects of production and service are experienced, discussed and demonstrated. Students become familiar with all aspects of a restaurant operation.

HOSP202 Quantity Food Preparation (3 semester hours)
A study of established standards, techniques, and practices in large quantity food production, to include sales, production, and service of meals in varied environments - fine dining, casual table service, and catering, among others. (Prerequisite: HOSP100)

HOSP203 Hotel and Restaurant Purchasing (3 semester hours)
A study of the principles and techniques of purchasing both food and non-food supplies applicable to the food industry. Purchasing ethics are discussed in additions to specifications for all items.

HOSP204 Introduction to Hotel and Restaurant Law (3 semester hours)
A study of the legal rights and liabilities of travel and tourism personnel, hotel and restaurant operators, including innkeeper and guest, landlord and tenant, liquor, sanitation, labor and other laws applicable to hotel and restaurant operations; insurance coverage for the protection of the hotel and restaurant operators from the various liabilities inherent to these types of operations; safety measures necessary to protect guests and employees from legal harm.

HOSP205 Tourism and Travel Industry (3 semester hours)
A study of the global tourism and travel industry to include public and private systems and organizations that organize, promote, manage, and participate in tourism and travel. This multi-billion dollar industry is covered from the international down to the local level in an effort to show best practices, strategies, leading organizations, issues of liability and insurance, among other macro factors that affect tourism and travel.

HOSP206 Introduction to Lodging Management (3 semester hours)
A common sense approach to the essential principles of daily lodging management operations; Students discover information, methods, and techniques for dealing with the changing global lodging environment.

HOSP207 Principles of Cost Control in Foodservice Operations (3 semester hours)
This course covers the necessary principles to keep food, beverage and labor costs under control, helping to contribute to the success of the operation. Students will apply the terminology and calculations involved in cost control systems and analysis. The course will examine cost control techniques for food, beverage and labor. Menu engineering and analysis will be introduced along with development of cost reduction methods through management policy.

HOSP212 Fundamentals of Tourism Management (3 semester hours)
A comprehensive look at the output, employment, exports, investments and taxation emanating from the immediate providers of travel and tourism products and services.

HOSP215 Cruise Line Operations (3 semester hours)
An introduction to basic concepts of cruise operations from the perspective of hospitality management. Students are introduced to the cruise industry, maritime legislative and safety issues, cruise terminology and geography, plus hospitality management operations.

HOSP221 Hospitality Marketing (3 semester hours)
An introduction to the marketing of hotels, restaurants and clubs. Information on market segmentation, marketing research, public relations, promotions, packaging, pricing strategies and the future of hospitality marketing.

HOSP295 Restaurant Operations Seminar (3 semester hours)
This course is a culminating course for the Associate of Arts in Hospitality Management, Restaurant Operations concentration. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Hospitality Management. The student will participate in simulated exercises that provide practical exercise enabling the student to demonstrate a grasp of hospitality management study. This is a culminating course to be taken after all other Associate of Arts in Hospitality Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken as the LAST course in the A.A. in Hospitality Management program.

HOSP300 Managerial Accounting for the Hospitality Industry (3 semester hours)
Key accounting concepts and the selective application of its most effective strategies and tactics are mission critical factors for most hospitality operations. Students participate in real-world hands-on managerial accounting in a hospitality setting. Covers the tax changes made in 2010 and the updated operating statistics. Revenue management and dynamic pricing, accounting for gift cards, unsecured bank loans, and profitability indexes are introduced.

HOSP302 Hospitality Law (3 semester hours)
Focus is on fundamental laws, rules, and regulations applicable to the hospitality industry regarding rights and liabilities of innkeepers and restaurant operators. Case studies will be used to provide additional learning opportunities specific to hospitality.

HOSP303 Hospitality Marketing (3 semester hours)
An introduction to the marketing of hotels, restaurants and clubs. Information on market segmentation, marketing research, public relations, promotions, packaging, pricing strategies and the future of hospitality marketing.

HOSP304 Nutrition in the Food Service Industry (3 semester hours)
An introduction to basic nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Students are introduced to nutrition and dietary guidelines and the connection to healthy life styles and prevention of health issues.

HOSP307 Principles of Cost Control in Foodservice Operations (3 semester hours)
This course covers the necessary principles to keep food, beverage and labor costs under control, helping to contribute to the success of the operation. Students will apply the terminology and calculations involved in cost control systems and analysis. The course will examine cost control techniques for food, beverage and labor. Menu engineering and analysis will be introduced along with development of cost reduction methods through management policy. (Prerequisites: HOSP200)

HOSP308 Meeting and Convention Planning (3 semester hours)
A thorough explanation of the lucrative meeting and convention industry and its function in the travel and tourism sector. An overview of the meeting, exposition, and convention businesses, that covers the history of these businesses and the economic value they represent to a destination. Course will include a broad brush of the organizations that support this segment, such as convention bureaus, destination management companies and meeting planners.

HOSP309 Convention Sales and Services (3 semester hours)
A practical insight into servicing different kinds of meetings and conventions, the types of organizations that stage such events, and the people who hold the key to site selection, and implementation is the focus. Convention management is presented in a way that prepares the student for real-world experiences in planning, selling and servicing meetings and conventions.

HOSP310 Management of Lodging Operations (3 semester hours)
Focuses on the understanding of how hotels are managed from the rooms' perspective. Managerial aspects of the front of the house departments/divisions and the back of the house departments/divisions are to ensure efficient lodging operations; topics include the overview of the lodging industry, housekeeping, front office, PBX, reservations, revenue management, forecasting, budgeting, inventory management, service, ethics, and technology.

HOSP311 Club Management (3 semester hours)
A study of club management that includes many different forms of clubs in existence around the world today: health, golf, leisure, professional, and other forms of clubs. The course focuses on all aspects of social, physical, and business issues associated with club management.

HOSP313 Theory and Concepts of Leisure (3 semester hours)
A foundation for the study, theory, and meaning of leisure from its historical roots through contemporary times is the focus. Specific topics include society and leisure; leisure and the human life cycle, leisure development and provision; gender and leisure; among others.

HOSP314 Foodservice Trends and Challenges (3 semester hours)
Focuses on the leading issues associated with foodservice in the 21st century; trends, issues, and challenges that will lead the industry and force the food service industry participants to lead, change, or suffer the consequences (Prerequisite: HOSP100 & HOSP200).

HOSP316 History and Culture of Wine (3 semester hours)
Study of wine manufacturing, quality criteria, and sensory standards for both U.S. and international wines; topics include history of wine in society, selection of wine for specific meals, and wine variations. Opportunities for students to purchase different types of wine and participate in evaluative tasting techniques are presented; however alternatives are available for students that choose not to, or may not legally, consume alcoholic beverages.

HOSP319 Foodservice Facilities Design (3 semester hours)
This course focuses on the planning of food service facilities with emphasis on human engineering, layout, design, selection of equipment, and management planning decisions. (Prerequisite: HOSP100 & HOSP200)

HOSP320 Business and Conference Hospitality Mgmt (3 semester hours)
A study of business travel and conference management in the multi-billion dollar industry is covered from the international down to the local level. Discussions focus on best practices, strategies, and customer perspectives that differ for business vs. leisure travel, leading organizations in the business and conference hospitality industry, issues of liability and insurance, and other factors implicit in effectively managing and providing services to be competitive in this industry.

HOSP321 Marketing and the Hospitality Industry (3 semester hours)
A comprehensive review of marketing in the hospitality industry; restaurants, hotels, planned play, theme parks and convention centers, based upon customer satisfaction and the customer's perspective. Students will identify best practices in marketing, analyze the market, and assess consumer behavior, offerings, price, and promotion strategies.

HOSP322 Managing Housekeeping Operations (3 semester hours)
Covers management concepts and responsibilities in the Housekeeping division of mid-to-large properties, including models for staffing patterns. Examines inventory and equipment management, characteristics of materials and supplies, linen and laundry room management, and cleaning functions.

HOSP323 Introduction to Parks and Recreation (3 semester hours)
An introduction to the broad field of recreation and tourism including major disciplinary approaches to outdoor recreation and tourism, history, philosophy, and economics; major providers of outdoor recreation and tourism opportunities, including the public, private, and non-profit sectors; and current issues in outdoor recreation and tourism.

HOSP325 Revenue Management for the Hospitality Industry (3 semester hours)
An independent area of study of the legal and ethical rights from a variety of hospitality segments where yield management directly affects the prices charged and the selling methods of the industry.

HOSP328 International Hotel Management (3 semester hours)
New trends and developments have changed the context of global hotel operations and management. Lodging operations in a global environment is discussed, with particular attention to expatriate laws, and international policies affecting travel, tourism, and hospitality development.

HOSP335 Leadership and Management in Hospitality (3 semester hours)
Focus is on the leadership role, people management, interpersonal skills and attention to quality in hospitality organizations.

HOSP350 Managing Technology in the Hospitality Industry (3 semester hours)
Focus is on getting the most efficient and effective outcomes from interconnected multiple-systems at a single location, the ease of movement between component parts, and the development and ongoing maintenance of the hotel's website.

HOSP355 Loss Prevention and Security Management (3 semester hours)
Safety and security case studies developed by industry professionals, hospitality-specific resources for safety and security; sections include in-house safety committees, crisis communications, and the importance of safety equipment are presented.

HOSP400 Quality Service Management (3 semester hours)
The focus is on service delivery and methods for implementation and improvements within the service delivery process. Special emphasis will be placed on management and supervision techniques in service quality along with steps in critical evaluating and implementing a quality service plan within hospitality based organizations.

HOSP410 Advanced Tourism and Hospitality Management (3 semester hours)
Focus is on advanced techniques and skills for Hospitality Management Professionals to ensure effective and efficient management within the Tourism and Hospitality Management industries. Standards and expectations for restaurant owners, hotel and tourism managers and meeting and event planners are addressed. Price points, product development, tips and marketing techniques that restaurants, hotels, tourism organizations and event planners employ to enhance the customers' experience are addressed.(Prerequisite: HOSP100)

HOSP412 Destinations Management and Marketing (3 semester hours)
Theories and concepts of hospitality globalization with a comprehensive approach that emphasizes planning, development, and marketing a destination.

HOSP413 Meeting and Event Risk Management (3 semester hours)
This course introduces procedures to manage facilities and risks specific to the events industry. Current knowledge in risk management is needed to protect guests from safety hazards and firms from loss of profits specific to this unique sector of hospitality. Topics covered include: health and safety, loss prevention and security, emergency preparedness and safeguards, program design and site management. (Prerequisite: HOSP 100)

HOSP415 Destinations and Cultures (3 semester hours)
Introduces tourism development as a process with its own organizational structures and its own responses to the economic cycle of supply and demand. Cultural environments and their influence are discussed.

HOSP495 Senior Seminar in Hospitality Management (3 semester hours)
The 16-week Senior Seminar is the final course for the BA in Hospitality Management. Students fulfill the requirements by obtaining an internship in their selected concentration. Students obtain an internship that consists of 80 hours of work over the 16 weeks in a self-selected and instructor approved hospitality environment (hotel, restaurant, convention center, etc.). Students will apply insights and learning from the classes and obtain real-time work experience. Students are required to keep a journal or log during the internship capturing questions, insights, and learning from the experience. Upon completion of the practicum students will write a final 10 page integrative paper drawing upon literature and insights to support and enhance their practicum experience. For those students who do not obtain an internship, they can fulfill the requirements by writing a 30-page, instructor-approved, research paper that is connected to a real organizational issue. See syllabus for further information. (Prerequisite: Completion of a minimum of 106 hours towards your program)

Humanities (ARTH)

ARTH200 Art Appreciation (3 semester hours)
This course provides a survey of the visual arts, which is directed at understanding how to read the global visual world. Building from basic terminology and fundamental analysis, to more complex concepts of understanding art, the course provides tools for examining, analyzing, interpreting, and writing about works of art. Topics will include the political, religious, socio-cultural, and aesthetic functions of painting, sculpture, architecture, camera arts, and new media. No prior art classes or experiences are required.

ARTH241 Film and Literature (3 semester hours)
This course is designed to enhance students' appreciation for the history and traditions of American film. Students will investigate traditional as well as non-traditional film images, themes, techniques, and styles.

Humanities (MUSI)

MUSI200 Music Appreciation (3 semester hours)
Spanning the Middle Ages through the twenty-first century, this course offers a thorough introduction to the elements of music, a broad overview of the history of musical styles, including cultural contexts and perspectives.

Information Technology (DSIN)

DSIN141 Image Enhancement using Adobe Photoshop (3 semester hours)
Graphics are valuable tools for communication in Internet applications. This course introduces the student to the principles and practices of image manipulation, image enhancement, and image storage. The student will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, burning), transparency, opacity, hue, saturation, image layering, color blending (multiplying, dodging), image transformation (rotation, resizing, shearing), selections (pixel, vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, indexed color). Students must have access to Adobe Photoshop CS6 (or higher). This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN143 Design Using Adobe InDesign (3 semester hours)
This course is a study of the principles, practices, processes, and disciplines related to designing print media for maximum communication. This course evaluates the process for planning, preliminary negotiations, pre-visual research and analysis, visual conceptualization, points of view, attitude, document design, document production, and post-production. This course examines the principles of typographic design, word design, page organization, page layout, integration of words and images, character styles, paragraph styles, layout design, tiling, scaling, textures, and illustrations. This course investigates color theory, additive and subtractive color models, complementary colors, patterns and rhythms. Students will apply their knowledge to design flyers, brochures, CD/DVD covers, and product packaging. Students must have access to Adobe InDesign CS5 or higher. This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN241 Illustration & Design Using Adobe Illustrator (3 semester hours)
This course examines the process of designing, developing, and deploying text and graphics in the industry standard vector graphics software application, Adobe Illustrator CS5 or higher. Students will develop illustrations that take advantage of the broad set of tools, effects, and attributes available in Illustrator. They will learn to edit existing vector graphics files, and how to structure and mange vector graphics files for maximum efficiency and effectiveness. They will learn to format files for use in other applications and for output to a variety of imaging devices. Students must have access to Adobe Illustrator CS5 or higher software.

Information Technology (ENTD)

ENTD200 Fundamentals of Programming (3 semester hours)
This course introduces students to writing computer programs. The class presents the principles of structured programming using the Python language, one of the most increasingly preferred languages for programming today. Because of its ease of use, it is ideal as a first programming language and runs on both the PC and Macintosh platforms. The course is designed for people without previous programming experience who do not necessarily plan on becoming professional programmers. However, the knowledge gained in the class can be applied later to other languages such as C and Java. Participants learn to solve problems logically by breaking them into smaller pieces, which can then be solved. The course uses iPython Notebook to afford a more interactive experience. Topics include: introduction to computing - how does a computer work?; input and output - getting information to and from the user; variables and expressions - performing arithmetic; data statements - reading information from inside the program; text files - reading information from other files; arrays - groups of variables; debugging - finding errors in your program; graphics; and formatting - changing how things look on the screen.

ENTD211 Introduction to Software Design (3 semester hours)
This course will introduce standard patterns used in software design, so that the learner becomes familiar with reading and interpreting design documents. Familiarity with design patterns and modeling notations allows software developers, even those who do not actively participate in producing design documents, for better understanding software documentation, before, during, and after system implementation. Familiarity with object-oriented programming languages is strongly encouraged.

ENTD220 Introduction to Python (3 semester hours)
The course presents the principles of object-oriented programming using the Python language, one of the most increasingly preferred languages for programming today. Python is a high-level general-purpose programming language that is portable and used on different systems to include UNIX and Mac—it is platform independent. Python has been touted as one of the most powerful and easy to learn programming languages. The course addresses syntax, types, variables, strings, branching, loops, tuples, lists, dictionaries, functions, files, exceptions and other related concepts and terms in an effort to establish a solid foundation for more advanced programming using structured language. The course will also provide both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered. The Python interpreter is available online for free. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 or ENGR200)

ENTD261 Scripting Languages for the Administrator (3 semester hours)
This course introduces the scripting languages necessary in custom programming for server administration and security purposes. Introductory level programming will be covered using scripting languages such as JavaScript, VBScript, Windows Shell Script, Python and SQL. Previous programming experience is recommended. You must have access to a Windows-based system to successfully complete the assignments in the course.

ENTD311 Analysis and Design of Information Systems (3 semester hours)
This course is an overview of the system development life cycle. Emphasis on current system documentation through the use of both classical and structured tools/techniques for describing process flows, data flows, data structures, file designs, input and output designs and program specifications. Discussion of the information gathering and reporting activities and of the transition from analysis to design.

ENTD313 Mobile Application Design and Development (3 semester hours)
This course is an introductory study of mobile application design and development and how enhanced mobile devices are changing the face of technology. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding Development Platforms, Cross Platform Development, Mobile Operating Systems, Mobile Web, The Internet of Things, and Artificial Intelligence in Apps. The course cements a theoretical overview of mobile application, design and development issues, and practical application concerns. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course. Students also need introductory level programming experiences and/or knowledge to do well in the course. Students will need download and install XCode. Software/hardware is not provided by the course material grant and must be purchased/provided by the student.

ENTD321 Object Oriented Programming and UML (3 semester hours)
This course is a study of the principles, practices, and technical architecture and development characteristics of Object Oriented Programming and an examination of the differences between object oriented programming and traditional programming. It examines objects, instances, classes, inheritance, polymorphism, encapsulation, abstraction, methods, attributes, tight-encapsulation, interfaces, type casting, type conversions, and object libraries. This course differentiates between single-inheritance model and multiple inheritance models. This course also explores the foundations of the Unified Modeling Language (UML), class models, state models, and interaction models. (Prerequisite: ENTD200 and ENTD311)

ENTD322 Application Development for the Droid (3 semester hours)
This course is a study of application development for the Motorola Droid and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding Motorola Droid. The course will cover scenario basedexercises and requires students to use assigned tools to write, test and deploy mobile software applications into the Android platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course.(Prerequisite: ENTD200)

ENTD333 Application Development for the iPhone and iPad (3 semester hours)
This course is a study of application development for the iPhone and iPad mobile devices and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding iPhone and iPad mobile devices. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the iOS platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. Students need the latest XCode installed, which is available from the Appstore, and XCode must be installed before class begins. Students must have access to an Apple Inc. computer with XCode installed to successfully complete this course. Students also need intermediate level programming experiences and/or knowledge to do well in the course. Students must have previous programming experiences using an object-oriented C-based language such as C#, Java, or C++. (Prerequisite: ENTD200 or ENGR200 (for Engineering majors)

ENTD361 Enterprise Development Using VB.NET: Introduction (3 semester hours)
This course is a study of the .NET framework. Students will examine the differences between Visual Basic (VB) and VB.Net, the Common Language Runtime (CLR), Microsoft Intermediate Language (MSIL), the XML Web Services platform, .NET Framework Class Library, and examine Visual Studio.NET and Visual Basic.NET (VB.NET). They will create classes, properties, methods, constructor methods, sub-procedures, and function-procedures. They will handle events, explore datatypes, build Window forms and Web Forms, add and interact with controls, specify events, develop event-handling code, and add menus. They will also evaluate ADO.Net, choose an ADO.Net provider, connect to a database, and perform database interactions. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher). This software is not provided by the course material grant and must be purchased/provided by the student.(Prerequisite: ENTD200)

ENTD380 Introduction to Object Oriented Programming with Java (3 semester hours)
This course is an introduction to the concepts and principles of Object-Oriented Programming (OOP) using Java programming language. Writing programs for mobile devices such as smartphones and tablets is in growing demand. Java is one of the most popular programming languages used to address this need, especially for requirements involving several computing devices. The course addresses Java fundamentals, branching and loop control structures, subroutines, objects and classes, Graphical User Interface (GUI) program, arrays, recursion and linked data structures, and other Java related concepts and principles. This course solidifies a theoretical overview of designing and developing applications using Java programming language. The course will also provide both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered. This software is not provided by the course material grant and must be purchased/provided by the student. Prerequisite: ENTD200.

ENTD381 Object Oriented Programming With Java (3 semester hours)
This course is a study and application of the principles and concepts of Object-Oriented Programming (OOP) as it is implemented in the world of Java; including inheritance, encapsulation, and polymorphism. It appraises the processes and practices used to develop IT solutions that are reusable, modular, and small; all of which are popular objectives in the world of IT management. This course explores the inheritance (is a), containment (has a), and collaboration (use a) relationships; and examines the major packages in the Java Class Library, strings, arrays, classes; instantiation, properties, methods, constructor methods, method overloading, method overriding, inheritance modifiers, access modifiers, interfaces, and packages. This course also assesses exception handling with the use of “try,” “catch,” and “finally.” Students must have access to the latest edition of the Java Development Kit. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENGR200 or ENTD380)

ENTD411 Application Development (3 semester hours)
This course covers issues of software project development from the perspective of a manager and of an application developer: from conception, to prototyping, to interfacing with analysts, supervisors/team leaders and management, through to product testing, release, and maintenance. Also covered are issues related to revision control, coding under stress, and strategies for dealing with budget and schedule overruns. Particular attention is given to strategies for maintaining code quality, programmer productivity, and coding and design standards under budget, staffing, and time constraints. Lateral versatility of the developer within project roles across a project's life span (such as often occurs in small software companies) is emphasized.(Prerequisite: ENTD200)

ENTD412 Systems Engineering (3 semester hours)
This course takes an in-depth look at key concepts and techniques for system engineering and analysis. It explores the life cycle approach of bringing systems into being. The course will examine the various methods and techniques for integration system design within the system engineering process. Students will examine essential systems concepts, methodologies, models, and tools needed to avoid costly and disruptive systems, which are a result of poor requirements definition and analysis. Students must have access to MS Visio 2000 or higher.

ENTD413 Advanced Mobile Application Design and Development (3 semester hours)
This course is an advanced study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding the subject. The course will cover scenario basedexercises and requires students to use assigned tools to write, test and deploy mobile software applications into the target platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. Prerequisite: ENTD313.

ENTD461 Enterprise Development Using VB.NET: Advanced (3 semester hours)
This course is a study of the theory and application of developing dynamic desktop and web-based applications using the .NET Framework and Visual Basic.NET (VB.NET). This course examines the architecture of the VB.NET IDE, the rudiments of the VB.NET programming language, the .NET Framework Class Library, OOP Design, Design Patterns, overriding members, overloading members, component-based programming, exception handling, interface-based programming, common windows controls, file management, control licensing, ADO.NET, connection pooling, and data validation. They will also interface with relational databases, use the GDI class library, draw graphics, perform graphic transformations, build MDI applications, and use access modifiers to control visibility. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student.(Prerequisite: ENTD200 OR ENTD361)

ENTD462 Enterprise Development Using ASP.NET (3 semester hours)
This course is a study of the theory, concepts, and applications of the Active Server Page (ASP.NET) web development environment. Students will learn about working with the page (web form, error handling, tracing, page personalization, and rich page composition), the ASP.NET object Model (request, response, server, session, application, global.asax file, and collaborative data object), the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, MVC model and web services. Students must have access to Visual Studio or Visual Web Developer Express Edition software. (Prerequisite: ENTD200)

ENTD463 Enterprise Development Using C# (3 semester hours)
This course is a study of the C# language and its object-oriented facilities to create applications using the .NET Framework. Students will explore data types, classes, methods, parameters, properties, interfaces, iteration, conditional branching, constructor methods, and destructor methods. They will examine parameter passing, method overloading, method overriding, access modifiers, exception handling, and event handling. They will also create forms with controls, and with event handling for these controls. Students will also use Visual Studio.Net to set profiles, create projects, use the solution explorer, set references, set project properties, use the code editor, define assembly information, compile the code, run the application, and debug the program. Students must have access to Visual Studio software. Students must have access to Microsoft Visual Studio 2010 or Visual C# 2010 Express Edition or higher. (Prerequisite: ENTD200 and ENTD361)

ENTD464 Enterprise Development using .NET: Project (3 semester hours)
This course evaluates the process for designing, developing, and deploying .NET enterprise applications. This course is a culmination of courses on Visual Basic.Net, ASP.Net, and C#.Net; the student will apply the knowledge and skills learned in these courses to develop and deploy a web-based application. This course investigates the process for configuring the .Net Framework and examines the issues related to project integration and application deployment. Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition (or higher) and Microsoft Access 2007 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200)

ENTD465 Application Development for Windows Mobile Operating Systems (3 semester hours)
This course is a study of Microsoft application development for mobile/embedded devices. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding application development using Microsoft's software. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications. The course allows the students to experience maximum amount of application and retention of material covered in the course. Students must test and verify their software use of Visual Basic on their operating system prior to enrolling in the course. (Prerequisite: ENTD200)

ENTD481 Enterprise Development using J2EE (3 semester hours)

This course focuses on the concepts and principles of designing, developing, and deploying N-Tier Java based enterprise web applications. It examines the architectures, the process, the Java Servlet life cycle, and the practices for developing and deploying Java Server Pages (JSP), Java Servlets, and JavaBeans based enterprise web applications. This course also explores the concepts of Java Database Connectivity (JDBC), connection pooling, exception handling, data integrity, and transaction controls. It assesses the impact of enterprise web architectures and applications on global ecommerce and economies. Students must have access to the latest edition of the Java Development Kit, J2EE Development Kit, and Apache Tomcat. This software is not provided by the course material grant and must be purchased/provided by the student.(Prerequisite: ENTD381)

Information Technology (INFO)

INFO161 Relational Databases with MS Access: Introduction (3 semester hours)
This course focuses on the role, function, and operations of relational databases in the management of information. The course will be taught from a mixture of analytical and practical methods. This course introduces the student to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). Students will apply their knowledge of the principles of data design and database engineering to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation. They will examine the rudiments of referential integrity and normalization and apply this knowledge to design the database tables that implement validation rules to ensure application integrity. They will also examine and develop advanced queries such as: top values, list of values, cross tab, find duplicates, and find unmatched. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. The book meets the topical requirements for the Microsoft Office Specialist (MOS). Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels.

INFO171 Relational Databases with Oracle: SQL Introduction (3 semester hours)
This course is a study of data modeling and database design. It applies the relational database model to construct Entity Relationship (ER) diagrams using ER Modeling. Through a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs the course introduces data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback), and defining, altering, and deleting primary keys, foreign keys, and constraints. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO221 Relational Database Concepts (3 semester hours)
This course is an introduction to the concepts, management issues, and advantages of relational database management systems. Topics include data definition, data manipulation, relational algebra, Structured Query Language (SQL), and Online Transaction Processing (OLTP) systems. This course examines database design, normalization for OLTP systems, Codd's rules for OLTP systems, data integrity, database system functions (journaling, forward recovery, backward recovery), database security (authentication and authorization), and database administration. This course also explores distributed databases, Online Analytic Processing (OLAP) systems, data warehouses, and object-oriented databases. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels.

INFO261 Relational Databases with MS Access: Advanced (3 semester hours)
This course focuses on developing Microsoft Access Switchboard applications; it includes: designing and building form and report interfaces, interfacing the Access database to a web page, building dynamic web pages, integrating Access with other Office applications such as Excel, building pivot tables and charts, categorizing the various types of join operations, examining the rudiments of the Visual Basic for Applications (VBA) code, debugging VBA code, creating macros and functions, and designing Access applications. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels.

INFO262 Relational Databases with MS Access: Project (3 semester hours)
This course is a study and application of the MS Access VBA Programming; it takes you from using Access to programming with Access. This course translates ERD diagrams into database designs, examines the VBA programming model, converts macros to VBA code, delves into the rudiments of the Visual Basic for Application (VBA) language system, uses the VBA editor, uses VBA to connect to Access, utilizes VBA to perform DDL actions in Access, creates sub procedures, implements functions, handles errors, performs debugging, and utilizes the built-in functions. This course also includes implementing database access in Windows-based and Web-based solutions. This course also includes an examination of the Security Model in the context of Access and VBA. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels.

INFO271 Relational Databases with Oracle: SQL Intermediate (3 semester hours)
This course is a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs for an advanced level of data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback). The course builds on the techniques learned in the introductory course for database design and implementation. It explores the database life cycle through conceptual, logical, and physical design phases. The course examines the correlation between SQL and relational algebra; user access and control; transactional integrity; referential integrity; concurrency control; and database objects such as views, complex views, SQL functions, and sequences. Advanced topics discussed in the course include: database performance tuning, query optimization, distributed database systems, business intelligence, data analytics, data warehousing, cloud computing services, and the administration of database systems. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO321 Database Management Systems (3 semester hours)
This course is a study of major advancements in database technology that have taken place in recent years. It does not assume any prior background in the field of databases, and, hence, starts with basic introductory concepts, but covers advanced topics as well. The course will cover both conceptual and hands-on material in the area of database management, thus enabling students to have the maximum amount of comprehension and retention of material covered in the course. The student must have access to MS Access. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels.

INFO331 Management Information Systems (3 semester hours)
This course provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. This course covers the hardware, software, and infrastructure that support management information systems. Information and decision support systems, knowledge management and specialized information systems, database management systems, telecommunications, the Internet, Intranets, Extranets, and wireless networks will be examined. This course also covers systems development, e-commerce, and the ethical and societal impact of management information systems.

INFO371 Relational Databases With Oracle: PL/SQL (3 semester hours)
This course is a study and application of the procedural language overlay on the ANSI standard Structured Query Language (SQL) to enable students to access tuples, one at a time. Knowledge of this complex procedural component will enable students to develop Programming Units that are characterized by block structure, control structures, variables, constants, operators, implicit and explicit cursors, and exception handling (both system- and user-defined). This course examines study and application of procedures, functions, packages, and triggers. Knowledge of procedures, functions, packages, triggers, events, restrictions on triggers, the trigger firing sequence, and the use of triggers to perform auditing functions. This course also covers Object-Relational database concepts and Object Oriented Programming Structures (OOPS) and explores dependencies in Procedures and Functions. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO399 Information Technology Practicum (3 semester hours)

The field of Information Technology (IT) is multi-faceted; it includes technology areas such as database development, web based applications, business intelligence, visual communications, data analysis, software development, network security, cybercrime, digital forensics, security auditing, security certification, service delivery, and governance. The IT industry requires credentialed professionals that are academically sound and that have the ability to complete real world IT projects. This course provides an opportunity to integrate academic rigor with real world experience; to apply theory to solve real world problems, to make the learning experiential, to facilitate project-based learning, and to integrate scholarship with practice. This course is a supervised practicum; students must submit project plans and obtain Faculty member approval prior to beginning any work on the project. The requirements of the project plan will be provided in the syllabus; it should include the project sponsor, manager, scope, objectives, methodology, progress reporting, deliverables, and schedules. The student must also submit progress reports and a final report that includes an acceptance sign-off from the project sponsor. The Faculty member also has to approve the completed project in order for the student to earn a successful grade in this class. The student is responsible to have access to all the necessary software, documents, and other materials necessary to fulfill the requirements of this course. Enrollment is contingent upon the approval of the faculty member.

INFO471 Relational Databases With Oracle: Forms & Reports (3 semester hours)

This course is a study and application of the User Interaction for enterprise relational database systems. Topics include: the architecture of Forms and Reports interface, the anatomy of the Form Module and its various components, such as: blocks, frames, items, attributes, editors, windows, canvases, messages, alerts, menus, and objects. This course also examines the implementation of data integrity using various types of triggers, including: input, non-input, message, alerts, query, validation, navigational, and transactional; it also addresses reusability and interface efficiency using modular Program Units, Libraries, Menus, and Pop-up Menus. This course is also a study and application of the theory, concepts, and applications associated with parameterized and non-parameterized Data Retrieval and Analysis. It also appraises report template libraries to standardize reports for the enterprise; and the Reports Server to manage and disseminate reports across the enterprise. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.(Prerequisite: INFO171 or equivalent)

INFO498 Information Technology: Capstone (3 semester hours)

This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology. The student will complete an approved academic project and paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, and assesses their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Technology courses have been satisfactorily completed. Students must have senior standing in the program and must demonstrate that they have taken all other IT courses in their degree plan prior to registering for this course. (Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110)

Information Technology (ISSC)

ISSC321 Computer Systems Organization: Intermediate (3 semester hours)
This course is a study of computer systems, computer organization, computer subsystems, and operating systems, This course examines CPUs, motherboards, basic input/output systems, memory subsystems, bus structures, expansion cards, ports, connectivity, interfaces, data storage subsystems, and multimedia interface devices. This course also evaluates computer monitoring, computer systems management, operating systems, networking, and security. This course covers the A+ Certification Essentials curriculum.

ISSC322 Computer Systems Organization: Advanced (3 semester hours)
This course is an advanced study of computer systems with a focus on operating systems, system administration, networking and security. Design, configuration techniques and troubleshooting skills techniques are covered utilizing a variety of hardware scenarios including: processor design, CPU architecture, number systems used in computing, storage subsystems, and memory subsystems, This course also examines the OSI model, networking, security, performance management, and capacity planning. This course covers the CompTIA A+ Certification curriculum. Prerequisite: ISSC321.

ISSC323 Computer Hardware Systems (3 semester hours)
This course is a technical study of the hardware systems and architectures in a computer system; it appraises expansion cards, storage subsystems, IO interface subsystems, operating system, Local Area Networking (LAN), Internet connectivity, and security. This course also examines the processes for analyzing problems and for synthesizing solutions related to computer hardware systems.

ISSC325 Biometrics (3 semester hours)
This course presents an introduction to biometrics, the study of recognizing individuals based on their unique physical or behavioral traits related to computer and information security. Authentication, authorization, identification, and access control through biometric perspective are emphasized. The course orients practical applications of biometrics in the real world, providing a realistic view of the use of biometrics within the emerging threats in information security.

ISSC326 Cloud Computing (3 semester hours)
This course will delve into all aspects of a Cloud Computing implementation, starting from a definition of what it actually means and assessment of whether it is suitable for a given company to the strategy alignment, implementation and operation of a working solution. It will cover Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service as the many integration and management components that are necessary to make this work together to fulfill business requirements.

ISSC331 Legal Issues in Information Security (3 semester hours)
This course examines information security issues and the law. The rapid growth of technology has given rise to legal issues surrounding technology. Information security is the practice of protecting information to ensure the goals of confidentiality, integrity and availability are met. Information security makes sure that accurate information is available to authorized individuals when it is needed. When governments, private organizations, and individuals do a poor job of protecting the information entrusted to them, legislatures respond with new laws. The course will examine key conflicts involving technology and the legal system toinclude: privacy issues, civil, criminal, and administrative law, Children's Online Privacy Protection Act (COPPA), Sarbanes Oxley, and information security governance. This course examines current literature on such topics.

ISSC341 Introduction to Networking (3 semester hours)
This course is a study of the evolution, the concepts, and the principles of local, distributed and enterprise networking. This course examines Network design, topologies, architecture, media, interface cards, protocols, problem resolution, communications, administration, operations, and resources. It introduces the student to the concepts of wireless networking, and web-based networks. This course also explores the Open Systems Interconnection (OSI) and the Transmission Control Protocol/ Internet Packet (TCP/IP) reference models. This course also examines internetworking servers, and hardware and operating systems maintenance.

ISSC342 Operating Systems: Hardening and Security (3 semester hours)
This course is a study of the principles and concepts of Network Security from the perspective of the Operating System (OS). It places emphasis on discovering the vulnerabilities of the standard Operating Systems (OS) to attacks and focuses on the methodologies and measures necessary to take a proactive and preventive stance to address security vulnerabilities. Students will examine the principles, practices, and policies related to hardening and securing Operating Systems so they are impervious to security threats. It focuses on the vulnerabilities and the related countermeasures of various Windows components (Domain structures, domain trusts, security account manager, policies, profiles, file system, IP services (DHCP, DNS, IIS, TCP/IP printing, RPC, RIP for Internet protocol, SNMP), DCOM, Registry, Active Directory, Encrypting File System (EFS), IPSec, and public key certificate services). This course also discusses vulnerabilities and countermeasures related to UNIX (file This course is a study of the principles and concepts of Network Security from various aspects including but not limited to hardware, software, operation systems, and other critical elements relating to the CIA Triad. There is an emphasis on standard Operating System (OS) functions and discovering associated vulnerabilities. Upon completion of this course, students will be able to demonstrate an understating of methodologies and measures necessary to take a proactive and preventive stance to address security vulnerabilities. Students will examine the principles, practices, and policies related to hardening and securing Operating Systems so they are impervious to security threats. It focuses on the vulnerabilities and the related countermeasures of various Windows components (Domain structures, domain trusts, security account manager, policies, profiles, file system, IP services (DHCP, DNS, IIS, TCP/IP printing, RPC, RIP for Internet protocol, SNMP), DCOM, Registry, Active Directory, Encrypting File System (EFS), IPSec, and public key certificate services).

ISSC343 Wireless Networks (3 semester hours)
This course offers a framework for learning the latestdevelopments and trends in ad-hoc wireless and mobile communications. The course provides a complete coverage of the wireless ad-hoc networks: principles, protocols and applications. The course will look at the characteristics and operations of contemporary ad-hoc wireless network technologies. Students will study the impact of wireless transmission and user mobility with an emphasis on the design and management of ad-hoc wireless mobile systems. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

ISSC344 Open Source System Security (3 semester hours)
This course is an introductory study of the principles, practices, procedures, and methodologies to provide security on Linux systems. It assesses the security risks, threats and vulnerabilities related to individual and enterprise Linux environments. Course topics include: user privileges and permissions, file systems volumes and encryption and kernel security risk mitigation. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC345 Service Oriented Architecture (3 semester hours)
This course examines the various aspects of a Service-oriented Architecture (SOA). It explores the comprehensive plan to interrelate business with technology. It displays how SOA combines the talents and skills of an entire organization, with its requisite needs and computing know-how. It focuses on the necessary tools—processes, best practices, and standards—for developing a sound SOA, Service-Oriented Modeling: Service Analysis, Design, and Architecture. It also introduces a service-oriented modeling framework that employs an agile and universal business and technology language to facilitate analysis,design, and architecture initiatives.

ISSC351 Computer Forensics (3 semester hours)
The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of computer forensics (also called digital forensics). Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This course examines the theory, best practices, and methodologies to conduct computer forensics investigations; it includes the ethical issues, data presentation, and chain-of-evidence procedures. It also appraises current tools and technologies to analyze, acquire, and organize digital evidence. This course maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC361 Information Assurance (3 semester hours)
This course is a study of the discipline of Information Assurancethat focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non- repudiation. This course delves into the deliberate engineering, planning and implementation of the five major areas in any enterprise: hardware, software, networks, people, and policies. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories.

ISSC362 IT Security: Attack & Defense (3 semester hours)
This course examines the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This course addresses the techniques, the technologies, and the methodologies used by cyber intruders (hackers) to select a target and launch an attack. Students will gain insight into the motives and desired goals of hackers as well as effective tools and techniques used as countermeasures ensuring data assets remain secure. This course focuses on techniques and technologies to detect such attacks even while the attack is in progress; early detection enables the administrator to track the movements of the hacker and to discover the intent and goals of the hacker. This course assesses the various countermeasures to keep the system out of the "sights" of the hacker and to keep the hacker out of the perimeter of the target network. This course also explores the laws and the legal considerations in prosecuting computer crime.

ISSC363 IT Security: Risk Management (3 semester hours)
This course explores Networking Security from the perspective ofrisk management and confirms that assessment of IP based Network systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. It exposes the vulnerabilities of TCP/IP; and appraises risk assessment, risk analysis, risk mitigation, risk management, networking components and Virtual Private Networks (VPN). This course examines the tools and techniques used to attack, test and assure the security of the remote information, maintenance, FTP, database, email, UNIX RPC, and IP VPN services. The studentwill apply this knowledge to develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.

ISSC364 IT Security: Access Control and Authentication (3 semester hours)
This course examines a broad range of network security issues. Itexplores how access controls protect resources against unauthorized viewing, tampering, or destruction and serves as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized access and disclosure. It focuses on access control, such as components, processes, controls, and authentication, as well as security breaches, organizational behavior and social engineering, physical security, remote access control, public key infrastructure and encryption, cryptography, testing, and information assurance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC366 IT Security: Cryptography (3 semester hours)
This course will provide an extensive overview of the field of cryptography, which includes but not limited to a historical perspective on early systems, building to the number theoretic foundations of modern day cryptosystems. Upon completion of this course students will have the ability to demonstrate a knowledge of how cryptosystems are designed, and to match cryptosystems to the needs of an application. Students will also study basic cryptanalysis and will be presented with real life breaches of common cryptosystems so that they better understand the dangers within cryptosystem design and in the design of systems that rely on cryptography. Students will also gain an understanding of the various methods of encryption and analyze the strength and weaknesses of various techniques to ensure data assets are protected and secure.

ISSC368 IT Security: Physical and Peripheral Defense (3 semester hours)
The course covers physical security requirements in a networkenterprise on varying levels including physical protection against internal and external threats that may impact people, property, and other data and networked assets. Students will learn how to assess and protect these assets via multiple layers of physical security.

ISSC386 Green Computing: Foundations and Strategies (3 semester hours)
This course provides a basic understanding of the overall environmental need for an organization to adopt a Green IT strategy including: Climate Change, dangerous and exploitive working practices, the effect of hazardous waste use and disposal, consumption of precious resources such as oil, gas and water. The course identifies an organization's external drivers and opportunities for greening its IT including: political, environmental, social and legal.

ISSC387 Green Computing: Advanced Topics (3 semester hours)
This course provides an overview of the current research focusing on ways to make computing greener and more efficient, the reference used in this course is the first research-level book devoted to green computing and large-scale energy efficiency. With contributions from leading experts in the field, the book presents current research and developments in hardware, systems software, run-time systems, programming languages, data center management, and applications. It also covers the emerging green movement in computing, including the Green Grid and the Green 500 list, as well as important programs in grassroots organizations and government agencies. (Prerequisite: ISSC386)

ISSC411 Application Security (3 semester hours)
This course is an introductory study of the principles, practices,procedures, and methodologies to ensure security of data within web-based applications. It examines secure coding practices and processes, web application security configuration management techniques, and web application security standards. It appraises the convergence between web application security and associatedthreat vectors/attack methods. It appraises secure development processes, web application secure configuration techniques, and legal issues related to securing vital digital assets. Course topics include: Secure Configuration & Development, Vulnerability & Risk Mitigation, Vulnerability Assessments & QA Testing, and PCI DSS Compliance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC412 Mobile Application Security (3 semester hours)
This course explores security strengths and weaknesses of applications on various mobile operating systems running on PDAs and mobile devices. It identifies, analyzes and explores vulnerabilities, attacks, exploits, and insecurities of mobile applications running on operating systems such as iOS, Android, Windows, and Blackberry OS. What constitutes designing secure code for apps on these operating systems will also be covered. (Prerequisite: ISSC343)

ISSC415 Mobile Device Security (3 semester hours)
This course explores security strengths and weaknesses of devices running various mobile operating systems. It identifies, analyzes and explores vulnerabilities, attacks, exploits, and insecurities of mobile applications running on operating systems such as iOS, Android, Windows, and Blackberry OS. A comparative study of current mobile devices with respect to security and privacy capabilities will be covered.(Prerequisite: ISSC343)

ISSC421 Computer and Network Security (3 semester hours)
This course allows the student to obtain the knowledge required to analyze and mitigate threats in the organizational network environment. Upon completion of this course, students will be able to demonstrate a knowledge of both computer and network security, from the wetware (human), software, and hardware perspectives. The "wetware" component will deal with identification of potential risk situations, establishing policies for avoidance, recovery, and prosecution, and proactive measures to reduce causal factors for security breaches in an organization. The "software" perspective will examine types of inappropriate software activity, as well as asset protection issues (recognizing software assets). This component will also address software tools available to assist in reducing administrative costs due to both malicious and accidental loss. The "hardware" component will address hardware approaches to protecting assets, as well as hardware techniques used to compromise assets. Specific technologies discussed include firewalls, symmetric key encryption, public key encryption, digital certificates, and cryptographic systems (SSL/TLS, VPNs, and Kerberos).

ISSC422 Information Security (3 semester hours)
This course allows students to examine a broad range of computersecurity issues and provides the student with technical knowledge not normally addressed in traditional training. It explores the protection of proprietary information and security planning with an emphasis on networked computer vulnerabilities. It also focuses on detection (e.g. viruses, hackers, types of computer crime, computer forensic examination, etc.), as well as disaster recovery and technology law. A primary focus is put on security of systems and computer crime prevention. Also addressed is the maturingcriminal population with increased computer literacy, whose tendency is to move from violent actions to more profitable computer crime. Finally, issues of privacy and freedom of information are examined. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II and Management I categories. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC424 Virtualization Security (3 semester hours)
This course is an introductory study of virtualization security including the types of virtualization, the importance of securing virtualized networks and discussions of the various virtualization program offerings. The course will provide an overview of the current virtualization technologies in use in most environments. Course topics include: Introduction to Virtualization, VMware ESXi on Linux, Microsoft Virtualization, Citrix Xen Virtualization, Sun Virtualization, Red Hat Enterprise Linux Virtualization, and Virtualization Security.

ISSC426 Cloud Security and Privacy (3 semester hours)
This course will provide necessary guidance to build a proper audit to ensure that operational integrity and customer data protection, among other aspects, are addressed for cloud based resources. This course will serve as a cloud computing reference for auditors and IT Security Professionals. It will also provide information to assist in preparing for an audit addressing cloud computing.

ISSC431 Database Systems Security (3 semester hours)
This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data at rest within databases. It appraises the convergence between database security and associated threat vectors and attack methods. It examines database types, security architecture, platform fundamentals, user administration, password management, security models, virtual private databases, and auditing models. It reviews database security processes, security configuration techniques, and auditing checklists. Course topics include: Secure Architecture, Privilege Management, and Auditing Processes.

ISSC442 Wireless and Mobile Network Security (3 semester hours)
The mobile communication market has grown so rapidly keeping up security in wireless networks has become a challenge. Maintaining secure connectivity on mobile devices as well as retaining flexibility, mobility, and resilience are critical to keeping files, data, and information secure and private. This course explores security issues surrounding mobile cellular communication technologies. Hands-on labs are also included as practical examples of wireless network security. (Prerequisite: ISSC343)

ISSC451 Cybercrime (3 semester hours)
The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer and technology related crimes. This course is designed to provide students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer related crimes. Topics to be covered include: cybercrime classification (hacking, denial of service attacks, cyberstalking, cyberbullying, virus dissemination, identity theft, electronic funds transfers, phishing, spoofing, Internet fraud, access device fraud and salami attacks), vulnerability of computer systems and computer applications, computer intrusions and attacks, the impact of cybercrime (social, economic, and legal), investigation of digital evidence, computer forensics, and the prevention of cybercrime.

ISSC452 Cybersecurity (3 semester hours)
This course examines the practices for assuring information security. The various roles and functions within the Cybersecurity practice will be combined and leveraged to produce a secure organization. Case studies will be used to examine theories and practices drawn from real world situations. The numerous pitfalls of Cybersecurity will be presented with everyday practices of securing companies resources from attack. This course will examine the frameworks, roles, and competencies involved with information security. The fundamentals of Cybersecurity will be examined to include: network and security concepts, attacker techniques, data security, system and applications security and incident response techniques. Current literature will be examined on such topics.

ISSC455 Digital Forensics: Investigation Procedures and Response (3 semester hours)
This course is an introduction to Computer Forensics Investigation Procedures and Response. It provides a basic understanding of the importance of computer forensics, how to set up a secure lab, the process for forensic investigation including first responder responsibilities, how to handle various incidents and information on the various reports used by computer forensic investigators.

ISSC456 Digital Forensics: Investigating Wireless Networks and Devices (3 semester hours)
The growth of wireless networking technologies has given rise to many security issues. Wireless technology has become popular because of its convenience and low cost. This course pertains to the study of Computer Forensics Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. An overview of cybercrime and security will be addressed by explaining the basic security procedures and will include discussions of the various security threats that today's users face. This course will prepare students to gather all necessary information and evidence to support prosecution in a court of law. This course will examine wireless networks and devices and will discuss how to investigate wireless attacks, as well as PDA, iPod, iPhone, iPad, and Blackberry forensics. Current literature will be examined on such topics.

ISSC457 Digital Forensics: Investigating Network Intrusions and Cybercrime Security (3 semester hours)
The increase in the use of the Internet and ensuing growth in cybercrime have given rise to the field of digital forensics. Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. This course examines computer related crime and abuse cases in order to gather all necessary information and evidence to support prosecution in a court of law. Collection of evidence, investigating information hiding, and intrusion response techniques will be explored. This course will examine network intrusions, network traffic, web attacks, DoS attacks and corporate espionage. Current literature will be examined on such topics.

ISSC458 Digital Forensics: Investigating Data and Image Files (3 semester hours)
This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of steganography, data acquisition and duplication. It examines how to recover deleted files and partitions and image file forensics.

ISSC459 Digital Forensics: Hard Disc and Operating Systems (3 semester hours)
This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of file systems, hard disks and digital media devices. Boot processes, Windows and Linux Forensics and application of password crackers.

ISSC461 IT Security: Countermeasures (3 semester hours)
This course is a study of Network Security attacks and countermeasures. This course examines various security technologies, such as: intrusion detection, authentication, session hijacking, sniffing, spoofing, denial of service, buffer overflow attack, port scanning, encryption, IPSec, DES encryption, triple DES encryption, message digest 5 algorithm, point-to-point tunneling protocol (PPTP), layer 2 tunneling protocol (L2TP), Kerberos, RSA Pretty Good Privacy(PGP), Secure Shell (SSH), Secure Sockets Layer (SSL), Stateful Packet Inspection (SPI), Network Address Translation (NAT), proxies, content filters, public/private keys, Public Key Infrastructure (PKI), Virtual Private Networks (VPN), security policies, security tokens, digital certificates, viruses, worms, Trojan horses, virus scanners, virus protection, vulnerability assessment, and vulnerability scanners.

ISSC471 IT Security: Auditing (3 semester hours)
Security is one of the most important concerns in the world of Information Technology. This course examines the technical issues and the administrative practices to implement and manage security; in particular, this course focuses on the principles of security auditing. This course explores the various technologies and tools to assist with discovery and auditing in the world of security management. This course also assesses the audit practices, audit processes, audit plans, discovery process, discovery software, penetration strategies, identification of potential attacks, log analysis, user baseline analysis, activity analysis, risk assessment, roles and responsibilities, and the roles and responsibilities of security auditing professionals.

ISSC481 IT Security: Planning and Policy (3 semester hours)
This course examines the principles of security planning and policy; it offers a holistic approach to cybersecurity for an organization. It focuses on a variety of security guidelines, policies and plans (security requirements, internal users, external users, operational costs, geography, capacity plan, growth plan, business organization, business scenarios, business factors, business processes, business functions, business products, product life cycle, technical factors, roles and responsibilities, and organizational authority). This course addresses physical security, authentication, network security, encryption, software development, email, Internet, acceptable use, acceptable speech, and viruses/worms. It also covers the need for actionable and maintainable policies and the need for periodic audits of policies and configurations.

ISSC483 Privacy and Cyberethics in Mobile and Wireless Networks (3 semester hours)
The Internet's explosive growth and the availability of a myriad of devices that connect each of us with one another using a various mobile network technologies empowering us to great capabilities, has given rise to questioning if any limitations do exist. The manners by which we use our devices for the purposes we desire to accomplish, may also disarm us with what is still unknown to us. Concerning ethical issues, cyber governance, and cyber and privacy policies are eminent to keeping order for a chaotic realm of cyber communications. In this course you will explore some of these policies, the ethical approach and our moral duties in cyber obligations.

ISSC490 IT Security: Business Continuity (3 semester hours)
This course discusses both business continuity and disaster recovery planning. Business continuity investigates Risk Assessment & Management, Business Impact Analysis, and Continuity Strategy Development. The strategy component focuses on incorporating preventive measures, sustaining critical functions, planning for emergency response operations, and implementing recovery plans. This course analyzes employee training & development, chain-of-command, communications, policies & procedures, and fire-drills.

ISSC498 IT Security: Implementation Plan: Capstone (3 semester hours)
This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Systems Security. Students will complete various security related plans and policies that demonstrate mastery of their program of study and results in a meaningful culmination of their learning; these plans and policies will be used to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Systems Security courses have been satisfactorily completed. Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110.

ISSC499 Senior Seminar in Cybersecurity (3 semester hours)
This Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward the Bachelors of Science in Cybersecurity degree. Students will examine a number of real-world scenario cases related to various aspects of Cybersecurity to complete various cybersecurity related plans and policies that demonstrate mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110.

Information Technology (ITCC)

ITCC111 Basic Productivity Applications (3 semester hours)
This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing application in the Microsoft Office Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word to create and format documents; and use lists, themes, mail merge, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies. Students may access MS Office 365 Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty.

ITCC112 Advanced Productivity Applications (3 semester hours)
This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the electronic spreadsheet application in the Microsoft Office Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Excel to create and format spreadsheets; they will also manipulate data and use formulas, charts, workbooks, styles, hyperlinks, themes, functions, conditional logic, graphics, comments, and security features. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. The course content maps to the Microsoft Office Specialist (MOS): to Microsoft Office Excel Certification. Students may access MS Office 365 Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty.

ITCC113 Office Presentation Applications (3 semester hours)
This course is a study of the concepts and technology trends essential to office presentation, communication and productivity applications. Students will explore the principles, practices, features, and functions of PowerPoint, the presentation application in the Microsoft Office Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft PowerPoint to build and format presentations; and to use styles, templates, lists, tables, charts, hyperlinks, transitions, animations, graphics, multimedia, and digital signatures. They will also rehearse the timing of the presentation and prepare presentations for the Web. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. Students may access MS Office 365 Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty.

ITCC114 Office Communications Applications (3 semester hours)
This course is a study of the concepts and technology trends essential to office communication. Students will explore the principles, practices, features, and functions of Outlook, the electronic mail application in the Microsoft Office Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will customize the Outlook program; and use messages, signatures, advanced email tools, digital signatures, delivery options, voting capabilities, mail management, rules, contacts, calendar functions, meetings, and tasks. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. Students may access MS Office 365 Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty.

ITCC121 Introduction to Computer Science (3 semester hours)
This course is an overview of computer information systems in which hardware, software, procedures, systems, and databases are explored in relation to their integration and application in business and other segments of society. Telecommunications and network concepts are introduced as a basis for understanding of the Internet and e-commerce capabilities.

ITCC200 Application Software Integration (3 semester hours)
This course is a study of the applicable skills and technology essential to application software integration. Students will explore the principles, practices, features, and functions of application software processing in the Microsoft Office Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word, Excel, PowerPoint , Outlook, and Access to create and format documents; build databases and spreadsheets; and design and Outlook, and Access to create and format documents; build databases and spreadsheets; and design and publish advertising and marketing documents on customized Websites through the use of hypothetical and real-world scenarios and problems. The course will allow students to experience a more comprehensive understanding of commonly used applications software and how they integrate to provide solutions. Students may access MS Office 365 Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty. The Microsoft Access application is not provided with the Free Microsoft Office 365 suite and must be purchased/provided by the student.

ITCC231 Introduction to Information Technology Writing (3 semester hours)

This course provides a writing foundation necessary for an IT professional to identify and respond to communication needs within the IT environment, so that the professional can produce clear, concise, and appropriate IT documentation for peers and supervisors, with the ultimate goal of increasing organizational standardization and efficiency.

Information Technology (ITMG)

ITMG321 Information Technology Project Management (3 semester hours)
This course is a study of the planning and processes involved in an information system project. Microsoft Project is required as part of this course. Its topics include planning, scheduling, and controlling aspects of a project during its life cycle. The use of project management techniques such as PERT (Project Evaluation and Review Technique) and Gantt charts will be examined in depth as will be other techniques of planning, scheduling and controlling projects. This course meets the topical requirements for the CompTIA Project+ Certification.

ITMG322 Project Management Using MS Project (3 semester hours)
This course is a study of the concepts and technology trends of Project Management. Students will explore the principles, practices, features, and functions of the Microsoft Project application. The course will be taught with a mixture of analytical methods and practical exercises. Students will create project plans, organize (estimate, budget, and schedule) tasks, perform and manage resource allocation, identify project constraints, determine a project's critical path, create Gantt Charts and establish a project baseline using Microsoft Project. Students must have access to Microsoft Office Project Standard. Course software requirements with the appropriate versions are listed under the course materials site.

ITMG371 Contemporary Internet Topics (3 semester hours)
This course explores the Internet's impact on business and personal dynamics, from a managerial perspective. A review of current literature will examine such issues as: changes in workplace productivity, legal issues arising from company Internet use policies, staff morale in the face of nearly ubiquitous Internet access, institutional liability for employee conduct while on the Internet, telecommuting, and the impact of conducting personal business during work time. Non-workplace issues such as the impact of the Internet on family life, politics and the economy will also be explored.

ITMG381 Cyberlaw and Privacy in a Digital Age (3 semester hours)
This course examines how laws have had to change to account for the expanded realm of crimes in the digital age. Despite legislation intended to combat the problem of identity theft, it continues to be one of the most common crimes associated with the Internet. Sexual harassment complaints can now be triggered simply by an employee forwarding questionable email to fellow employees. Some regard intellectual property rights violations to be innocent flattery, while others consider them to be violations that must be stamped out by force of law. Plagiarism by students who pull content from the Internet is a growing problem. Stalkers can log into their victims lives and gain access to highly confidential medical and financial information, and even sabotage their victim's reputations. This course examines current literature on such topics as HIPPA, FERPA, COPPA, Sarbanes - Oxley and other current legislation impacting legal disputes.

ITMG421 Virtual Management (3 semester hours)
This course is designed to provide an overview of key individual, group, and organizational issues involved in Virtual Management (technology-assisted employee management). Topics include gauging employer and employee readiness for technology-enabled communication and telecommuting; identifying appropriate job types and flexibility options; applying effective communication strategies and methods when utilizing computers and telecommunication technologies; and implementing and evaluating management procedures and policies in flexible organizations.

ITMG481 Ethics in Information Technology (3 semester hours)
This course introduces students to issues and controversies that comprise the new field of Cyberethics. The course examines a wide range of ethical issues of moral responsibility towards social and ethical concerns which affect us in our daily lives. Other topics include machine ethics, conceptions of autonomy and trust, responsible innovation, ethical controversies related to ethical computing.

ITMG498 IT Management: Senior Seminar (3 semester hours)
This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other IT Management courses have been satisfactorily completed. Prerequisite: Completion of a minimum of 106 hours towards your program. (Prerequisite: ENGL101 or ENGL110)

Information Technology (WEBD)

WEBD121 Web Development Fundamentals (3 semester hours)
This course introduces students to Web site development through a combination of readings and hands-on development exercises. This course covers Markup Language and Site Development Essentials, HTML5 Coding, Cascading Style Sheets (CSS) and Graphical Elements, Hyperlinks, HTML Tables, Web Forms, Video, Audio and Image Techniques, Web Site Development for Business, and Web Site Publishing and Maintenance. Fundamentals of JavaScript programming are also introduced in this course. Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with text editor such as Notepad++.++.

WEBD122 Introduction to Web Analytics (3 semester hours)
This course is an introductory study of Web analytics technology and how businesses and organizations may to use the technology to measure website traffic, enhance business presence, and conduct market research. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding the subject. The course will cover bothconceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD220 Web 2.0 Fundamentals (3 semester hours)
This course provides an introduction to Web 2.0 trends and technologies. Students will profile the various features, tools, communities, and practices available in Web 2.0. Also included is a survey of the concepts, tools, and practices used to build blogs and wikis. The course also reviews the various methods of posting information from the blog into web pages using RSS & Atom techniques. Students will also appraise other Web 2.0 technologies, such as forums, collaborative web sites, discussion boards, and wikis. Students will apply the knowledge gained in this course to design and create blogs and forums. Students must have access to a microphone.

WEBD221 Intermediate Web Development (3 semester hours)
This course teaches advanced Web site development concepts and skills through a combination of readings and hands-on development exercises. This course covers the Advanced HTML5 and CSS3 Specialist curriculum of the CIW Web and Mobile Design Professional certificate. It builds upon fundamental Web coding skills by emphasizing HTML5 structure elements, embedded video and audio elements, HTML5 APIs, cross-browser user-input forms, use of JavaScript to add interactive capabilities to Web pages, and use of Cascading Style Sheets (CSS3) to enhance reusability and to design consistent interfaces. Advanced CSS3 techniques are introduced, including 2D and 3D transformations, transitions, animations, and user interface (UI) properties. Techniques for developing Web pages that are optimized for mobile devices are emphasized, including Responsive Web Design (RWD). Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with text editor such as Notepad++. (Prerequisite: WEBD121)

WEBD222 Advanced Web Analytics (3 semester hours)
This course is an advanced study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course expands on concepts introduced from the Introduction to Web analytics course and expands into more advanced topics regarding the subject. The course will cover scenario based exercises and requires students to use free Web analytic tools to experience the maximum amount of application and retention of material covered in the course. Prerequisite: WEBD122.

WEBD241 Web Development Using JavaScript (3 semester hours)
This course expands on the topics that were introduced in Web Development Fundamentals (WEBD121). This course introduces the student to fundamental JavaScript programming concepts such as variables and data, functions, controlling program flow (branching and iterating), the JavaScript object model (window, document, image, history, location, and navigator objects), and JavaScript language objects (String, Array, Date, and Math objects). This course also addresses the development of interactive forms with JavaScript, cookies and JavaScript security, controlling frames with JavaScript, and custom JavaScript objects. Students must have access to Internet Explorer 7 (or higher) or FireFox 39.0 (or higher) software. This course covers the CIW JavaScript Specialist curriculum of the CIW JavaScript Specialist certification. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: WEBD121)

WEBD300 User Interface Design (3 semester hours)
This course presents the principles and skills for how to design effective user interfaces for websites, with an emphasis on designing for mobile technologies. This course covers the content for the Certified Internet Web (CIW) User Interface Designer certification in the Web and Mobile Design Series. Emphasis is on how to apply key usability concepts and user analysis techniques; how to design for multiple platforms using suitable color schemes, formatting and topography; and how to collect information from customers, users, and market analysis to better address ease-of-use and to enhance website experiences for mobile users. (Prerequisite: WEBD121)

WEBD311 Internet Concepts (3 semester hours)
This course concentrates on the technical side of the Internet, examining Internet communication and technology, Web browsing, multimedia on the Web, databases and Web search engines, business e-mail and personal information management, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], Internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project and project management. Students will need access to Microsoft Internet Explorer with Outlook Express. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers the Internet Business Foundations curriculum of the CIW Foundations certification.

WEBD321 Web eCommerce Development (3 semester hours)
This course is a study of Web e-commerce development and how businesses and organizations may to use the Web to the buy and sell products and services online. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students toexperience the maximum amount of comprehension and retention of material covered in the course.

WEBD322 Web Videography (3 semester hours)
This course teaches the basic principles of Web videography and how to use software such as Adobe Photoshop Elements to edit photos and videos and create movies to market product and services online. The course begins with some basic introductory concepts and progresses into more advanced implementation of Web videograpy for promoting e-commerce and addressingother business requirements. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD323 Search Engine Optimization (3 semester hours)
This course introduces concepts and strategies for successful search engine optimization (SEO). It examines different kinds of searches including image searches, local searches, and industry-specific vertical search engines. Additional topics such as link building, site structure improvements, conversation tracking, research and development keyword strategic development, andunderstanding barriers of search engine optimization are addressed for the purpose of increasing a website's relevance and to determine how people search for products and services.

WEBD341 Enterprise Data Exchange Using XML (3 semester hours)
This course is a study of the concepts and applications of the Extensible Markup Language (XML), a general-purpose markup language that can be used to formally specify special-purpose markup languages. This course will be taught from a mixture of analytical and practical methods. Topics include: the history of XML, the XML language, Data Type Definition (DTD), XML Schema, eXtensible Style Sheet Language (XSL), and eXtensible Style Sheet Language Transformations (XSLT). The student will bind values to elements to render them distinct and different from its other instances of that attribute and explore the power of XML as a tool for Enterprise Exchange in both the J2EE and .NET Software Development Frameworks. Knowledge of XML will enable the student to standardize and reuse reference text, paragraphs, and chapters.

Intelligence Studies (INTL)

INTL150 Intelligence Analysis and Security Management (3 semester hours)
THIS COURSE IS ONLY OPEN TO TSA STUDENTS: This course will examine the relationship between intelligence analysis and security management. Students will be able to explain the components, methods, and techniques of the intelligence cycle and discuss them specific to threats facing the United States government, as well as private industry. Students will be able to articulate basic intelligence policies and functions of the United States government. Students will discuss important concepts specific to the foundation and goals for security, terrorist activity, and threats to national and international safety.

INTL200 Introduction to Intelligence Studies (3 semester hours)
Coming in 2016. This course provides an introduction to intelligence studies and focuses on the five principle categories in the study of strategic intelligence. In this course students will focus on the role, purpose, and history of strategic intelligence analysis. They will gain a better understanding for the use of intelligence to carry-out foreign policy objectives. Students will be engaged on topics looking at the nature and evolution of congressional oversight. In addition to this, we will look at the role of strategic intelligence collection when it comes to supporting strategic decision making, as well as the role that counterintelligence plays at the highest levels of government.

INTL301 U.S. Intelligence Community (3 semester hours)
RECOMMENDED AS SECOND PROGRAM COURSE.This course surveys the U.S. Intelligence Community, with an emphasis on its current structure. Students review the members of the community and distinguish their key roles and missions. Students also assess the impact of the post-9/11 restructuring of the intelligence community.

INTL304 Intelligence Collection (3 semester hours)
A multidisciplinary survey of Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Human Intelligence (HUMINT), and Measurement and Signature Intelligence (MASINT) is conducted. The background, capabilities, and limitations of each intelligence collection method are covered. The course focuses on planning activities which provide an integrated approach to intelligence collection.

INTL305 Law and Ethics in Intelligence (3 semester hours)
This course examines the legal foundations and oversight mechanisms for the US intelligence community. It also explores the major ethical problems confronting the intelligence profession. Students will investigate the difficult legal and ethical issues in the intelligence community.

INTL401 Critical Analysis (3 semester hours)
This course provides an introduction to critical thinking, intelligence analysis, and the use of structured methodologies. Functions associated with the processing of information to include perception, memory, and the evaluation of information are examined. Conscious and unconscious cognitive biases along with strategies to mitigate their impact are also assessed. Prerequisite: SSGS300.

INTL402 Intelligence Analysis (3 semester hours)
This course builds upon the foundations of critical analysis taught in INTL 401, expanding the student's repertoire of analytical techniques. Students explore creative analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration. Students focus on intelligence as a service to decision makers, including principles of customer-focused writing and techniques for analytic problems designed to provide tactical, operational, or strategic support.Prerequisite: SSGS300.

INTL408 Counterintelligence Operations (3 semester hours)
This course provides students with an introduction to counterintelligence operations and techniques. Students will study passive and active counterintelligence measures, principles and processes of counterintelligence operations, its relationship to covert action, and the legal and ethical issues involved. Through a series of practical exercises, students will develop a sound knowledge of the practice of counterintelligence.

INTL409 Counterintelligence Analysis (3 semester hours)
This course provides students with an introduction to counterintelligence analysis of foreign intelligence entities. Students will learn and apply aspects of counterintelligence basic principles, concepts, core competencies, functions, and missions as outlined in the US National Counterintelligence Strategy. Students will be instructed in the analytical process, denial and deception identification, analytical techniques, threat profiling procedures, and analytical tools and databases.

INTL410 Counterintelligence (3 semester hours)
During this course, students will develop a comprehensive knowledge of counterintelligence, and how intelligence agencies, organizations, and military units in the U.S. use both offensive and defensive counterintelligence to guard and protect U.S. national security interests from foreign intelligence entities. Students will study and analyze counterintelligence, learn and discuss multi-discipline counterintelligence support to intelligence operations, counterintelligence collection process, and analyze how cultural, social, and technological changes affect counterintelligence.

INTL411 International Criminal Organizations (3 semester hours)
This course differentiates historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of organized crime organizations. Course content includes a review of the contemporary literature of South American, Mexican, Asian, European, and African criminal enterprises, traditional organized crime, Outlaw motorcycle gangs and transnational criminal enterprises.

INTL412 Espionage/Counterespionage (3 semester hours)
This course studies the history of intelligence and espionage and reviews ancient espionage techniques, profiles famous agents throughout history, and focuses on such intelligence issues as SIGINT and HUMINT. The bulk of the course concentrates on 20th century intelligence, assessing changes in intelligence collection and priorities and analyzing how technological changes have affected intelligence collection.

INTL413 Denial and Deception (3 semester hours)
This course will be an overview of Denial and Deception possibilities. It will review the history, concepts, and implications of Denial and Deception on national security decision making. It will also discuss foreign and domestic case studies, tradecraft, and the different methodologies associated with this form of intelligence training.

INTL419 Applied Geospatial Intelligence (3 semester hours)
This course is an exploration of the historical development, capabilities and the constellation of remote sensing and other intelligence collection platforms available for use by decision makers in intelligence driven policies, homeland defense, and law enforcement. The focus will be on how geospatial products are applied to produce analyses of terrain, climate, natural resources, boundaries, various infrastructures, demographics, and intent and capabilities of various nations and groups in the context of the geospatial environment.

INTL421 Signals Intelligence and Security (3 semester hours)
This course examines the history of signals intelligence, also known by the acronym SIGINT. It covers the various methods and modes of intelligence collection by electronic means for the use of strategic and operational level communications (COMINT), and electronics (ELINT) intelligence. The course also discusses encryption and protection of electronic capabilities and countermeasures (EECM).

INTL422 Open Source Collection (3 semester hours)
This course provides and examination of the various unclassified materials including: news services, data bases, government documents, newspapers, journals, magazines, yearbooks and surveys, radio and TV sources, short-wave broadcasts, internet, indexes, materials from various organizations, and country studies.

INTL423 Human Intelligence (3 semester hours)
This course is an introduction to Human Intelligence (HUMINT). The course will define and examine HUMINT in context with the other intelligence collection disciplines. Through the use of focused discussion supported by directed readings and by applying critical thought to an incremental research project that requires a HUMINT solution, the student will understand the dynamics and functions of human source intelligence as a discipline.

INTL424 Interrogation (3 semester hours)
This course examines intelligence interrogation from a conceptual perspective that provides students with the tools to develop an overall understanding of interrogation and practical interrogation concepts as they can be applied to intelligence interrogation. This course addresses legal issues, verbal and non-verbal behavior, interrogator and subjects, environmental and cultural issues, coercive practices, as well as current events as they apply to the concepts of intelligence interrogation.

INTL431 Criminal Intelligence Analysis (3 semester hours)
The rapid increase in multinational analysis and transnational organized crime, corporate drug trafficking organizations, and the impact of crime on national and international policy has created a critical need for law enforcement intelligence experts in the relatively new field of criminal intelligence. The course provides the student with an introduction to the methods and techniques of criminal intelligence analysis and strategic organized crime. It will demonstrate how to predict trends, weaknesses, capabilities, intentions, changes, and warnings needed to dismantle criminal organizations.

INTL432 Geographic Information Systems I (3 semester hours)
Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query and display. This course will provide students first with a substantial foundation in the history of cartography and mapmaking. The second major emphasis of this course will merge both theoretical and historical information with hands-on practical training utilizing the basic tools provided with the GIS software. Students will become familiar with the importance of metadata, editing and updating metadata and how this is important to the success or failure of the dataset as a whole.

INTL433 Geographic Information Systems II (3 semester hours)
Using the ArcGIS software, students will be taught how to manipulate datasets based on complex queries in several advanced platforms within the GIS environment including geospatial analyses, creating basic models, interpolation among multiple data points, and advanced data table editing and creation. Students will learn methodologies for determining the presence or absence of patterns and identify associations among different data layers. Additionally, students will be taught to examine cases where GIS could have been used but was not, and postulate how this system could have improved analysis within each case. This course will focus on vector data analysis techniques only. (Prerequisite: INTL432).

INTL434 Threat Analysis (3 semester hours)
With states as the level of analysis, this course examines their political, economic, and social condition which allows an understanding of threats to the state and their vulnerabilities. This course provides students with analytic procedures to assess a state's military capabilities, strengths and weaknesses of their political and economic systems, and challenges presented by their social systems.

INTL440 Cyber Warfare (3 semester hours)
This course provides an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations. By studying the operation of computer networks, the student will gain an appreciation of how they have both benefited society and made portions of its infrastructure more vulnerable. An overview of cyber weaponry will be presented, and various offensive and defensive strategies will be examined via case studies.

INTL442 Tactical Intelligence (3 semester hours)
This course examines the impact of terrain and weather on tactics, employment of multi-discipline intelligence collections, and principles of tactical intelligence analysis form the core of the course. Students develop an appreciation for the limits of process in applying the art of intelligence to deal with tactical problems and how tactical intelligence theory and practice are utilized in support of ground operations.

INTL443 Foreign Intelligence Organizations (3 semester hours)
This course introduces students to several foreign intelligence organizations that continue to play a significant role in U.S. strategic intelligence, foreign policy, and national security strategy planning. Each country's organizational structure, their collection methods, operational strengths and weaknesses will be assessed with the objective of evaluating their overall relative effectiveness.

INTL446 Intelligence and Narcotics (3 semester hours)
This course surveys the role of narcotics and the illicit drug trade as risks to national security, international development, and progress. The purpose is to assess both domestic and foreign intelligence gathering and analysis, with an emphasis on counter-narcotics policies and strategies. Students will be able to critically analyze, strategically assess effective intelligence collection, and evaluate the impact of current drug interdiction efforts by federal domestic and international agencies.

INTL450 Terrorism and Counterterrorism (3 semester hours)
This course examines terrorism as a social and political instrument from past to present. Topics include comparing insurgencies and terrorism, the paths to radicalization, the roots of extreme Islam, U.S. domestic terrorism issues, counter terrorism, national & domestic intelligence resources employed against terrorism, and a review of U.S. National Security Policy regarding terrorism.

INTL451 Terrorism and U.S. National Security (3 semester hours)
This course assesses the impact of terrorism on U.S. national security. With a focus on essential elements related to terrorism as well as on U.S. anti-terrorism and counter-terrorism policies and their challenges, the student will develop a comprehensive understanding of how the United States views terrorism and how its lasting threat affects national security.

INTL453 Illicit Finance (3 semester hours)
Modern criminal business, to include drug trafficking, trafficking in people or weapons, gold and precious gem smuggling, and even terrorism are reliant on how such activities are funded. Without some form of funding, illicit actors and illicit behaviors would have difficulty existing. This course will explore the shadowy world of illicit finance, from money laundering to Hawalas, to fraud, trade, and corruption used to fund illicit actions.

INTL454 Forecasting Terrorism (3 semester hours)
This course examines the theoretical underpinnings of the phenomenon of terrorism, actual and planned cases of chemical and biological weapons use, and the modern threat of improvised weapons of mass destruction. The course surveys traditional and newer methods of forecasting terrorism: intuition-based, profiling, conflict vulnerability analysis and prognosis (early warning), etc. It concludes with a brief overview of the state of the terrorist threat almost a decade after 9/11.

INTL498 Senior Seminar in Intelligence Studies (3 semester hours)

The Senior Seminar in Intelligence Studies is required for all majors. This capstone experience for Intelligence Studies majors will review and integrate their academic coursework, strengthen their understanding of intelligence research methodologies, and relate their academic preparation to their post graduation goals. Students will conduct original research and present their findings to the class in written and e-portfolio formats. Prerequisite: Completion of a minimum of 106 hours towards your program.

Intelligence Studies (SSGS)

SSGS300 Research Design and Methods (3 semester hours)
This course provides basic research methods skills for addressing problems and issues specific to the programs within the School of Security and Global Studies. The course covers four basic approaches to social research including experimentation, survey research, field research, and the use of available data. Students will gain foundational knowledge in research planning, design, methodology, data collection, and analysis. This course prepares students to carry out research at the undergraduate level.

SSGS490 Independent Study (3 semester hours)
This course is an opportunity for the School of Security and Global Studies student to pursue an independent research project or examine a specific area of Security and Global Studies under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SSGS495 Internship Program (3 semester hours)
Within this course, students have the opportunity to receive credit for completing an approved internship. Participating in an internship provides students with a valuable educational and professional opportunity. During the internship students explore and gain hands on experience in a field they have an interest in working within. Within the School of Security and Global Studies the primary responsibility for finding an internship belongs to the student, however there are a number of resources in place to help you in your search and application process. Students interested in completing an internship for credit may reach out to their Program Director, Academic Advising, or Career Services for additional information. In addition to completing formal internship hours, students will be required to keep a journal of their internship experiences and will complete a final paper.

International Relations (IRLS)

IRLS200 Information Literacy and Global Citizenship (3 semester hours)
Information Literacy and Global Citizenship builds students' information literacy skills in the international relations/global studies context. Students analyze scholarly sources in the discipline, identifying the types of issues and questions scholars pursue, the discursive conventions they employ, and their methods of engaging in dialogue with and citing sources. After identifying their own discipline specific research question, students select and use appropriate research tools, developing complex search strategies that help them to find relevant scholarly information on their topics. They evaluate sources and information to determine their authority, reliability, timeliness as well as the quality and underlying assumptions of the arguments presented. They synthesize the information they've found with their own ideas, effectively integrating source material into their papers and citing that material appropriately. Finally, the course asks students to reflect upon the ways in which the information literacy skills they've acquired provide a foundation for both global citizenship and lifelong learning. NOTE: Students may not earn credit for both IRLS200 and previous course IRLS303.

IRLS210 International Relations I (3 semester hours)
An overview of the field of international and global politics. The nation state, factors of power, collective security, international trade, regional and international organization, sources of conflict and convergence are addressed.

IRLS211 International Relations II (3 semester hours)
This course analyzes international relations from 1945 to the present. Students will become thoroughly familiar with events and major interpretive issues. Topics include the Cold War, decolonization, the role of the United Nations and other non-governmental organizations, the development of international terrorism, the Arab-Israeli and Persian Gulf conflicts, and the Korean and Vietnam Wars. (Prerequisite: IRLS210).

IRLS213 Political Geography (3 semester hours)
September 11 and its aftermath, the ongoing conflicts in the Middle East and South Asia and debate over the nature and effects of globalization all highlight the importance of political geography as a means of understanding the world around us. This course examines the relationship between earth and state. World political phenomena are studied from a geographic perspective, including international boundaries, territorial seas, and landlocked states. This course emphasizes the practical application of geography to political events.

IRLS214 American Foreign Policy (3 semester hours)
This class examines the elements and practice of American Foreign Policy. It reviews the history of American Foreign Policy and ideology, and then examines the actors, tools and processes of US foreign policy. This class emphasizes current foreign policy issues, including policy geared toward national security.

IRLS260 Middle Eastern Culture (3 semester hours)
This course covers geography, culture, society, economy, and religions of the major ethnic and linguistic groups in the Middle East. The course will introduce students to important events and developments, such as the changing concepts of politics in Islam; the evolving sociological bases of states and societies in the Middle East; and the early impact of Europe on the Middle East, first through trade and then through colonialism.

IRLS300 Comparative Political Systems (3 semester hours)
Introduces major theoretical approaches to the comparative study of politics. The student applies these approaches to government institutions, the policy-making process, political participation, economic structures and social change for both state and non-state actors.

IRLS301 International Organizations (3 semester hours)
Examines the role of and interrelationship of international organizations, nation-states, and non-state actors in the global system. North-South and East-West relations are discussed in terms of specific global issues: crisis management, conflict resolution, human rights, refugee problems, international finance, developmental assistance, world trade, and globalization.

IRLS302 International Development (3 semester hours)
A detailed study of the history, theories, and practices of global development initiatives with particular concentration in the prevailing views and practices of the 1960's-contemporary times. A look at development in light of broader political constructs that influence the development of nations.

IRLS310 Introduction to Human Security (3 semester hours)
This course introduces students to the international relations subfield of human security. A broad overview of the security issues affecting humans, their communities, and as a result global stability are the focus of this course.

IRLS322 African Politics (3 semester hours)
This class provides an introduction to contemporary African politics. Specifically the course examines the historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS331 Asian Politics (3 semester hours)
This course examines historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This course surveys the governments of selected countries to include China, Japan and Korea. Topics will emphasize the interaction between economic development and political changes, as well as the conflict between traditional norms and modern institutions. This course includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS343 Government and Security of Russia (3 semester hours)
Explores historic, cultural, economic, and geographic traits that characterize the Russian state and shape the domestic political processes and interstate relations. Critically compares the politics, governments and orientations of post-Soviet states and other regional powers. Surveys contemporary regional issues such as ethnic conflict, nationalism and political-economic reforms, with a particular emphasis on security concerns.

IRLS344 European Politics (3 semester hours)
This course focuses on comparative evaluation of Europe paying particular attention to challenges facing the continent such as migration, ethno-nationalism, and terrorism. It will also focus on opportunities for European countries to work together, including NATO, OSCE, and the EU.

IRLS355 Latin American Politics (3 semester hours)
This course is designed to familiarize students with the politics of contemporary Latin America. The course will cover such topics as the various types of political systems found in Latin America, the political economy of development, and the issue of regime transition.

IRLS360 Global Politics of Islam (3 semester hours)
The purpose of this course is to provide a comprehensive survey of the politics of Islam in the global context (both within and across states). While a portion of the class will be dedicated to the Middle East, we will also focus on parts of the globe where Muslims form a significant minority, e.g., the U.S., Western Europe, Russia, and China. This is an interdisciplinary class, meaning that we will discuss religion, history, culture, and identity in addition to politics. We will explore the implications of past and present U.S. foreign policy in the Muslim world and historical and current relations between Islam and the "West." Additionally, we will address conflicts within Islam, transnational Islamist movements such as Hizb-ut Tahrir and Al Qaeda, and the role of pan-Arab media such as Al Jazeera. This is a reading-intensive course. Students will be expected to think critically, interpret texts, and formulate their own ideas in verbal and written form.

IRLS392 Globalization and the Market Economy (3 semester hours)
Based on a theoretical analysis, a detailed study is undertaken of the globalization of the market system and its impact on population growth, urbanization, political governance, and traditional values in various nation-states and regions.

IRLS400 Human Rights (3 semester hours)
This course provides an overview of human rights, their history, codification, and the various debates that surround human rights discourse. Additionally various human rights topics are analyzed. The course provides students with a thorough understanding of how human rights and human security are intertwined.

IRLS402 International Law and Regimes (3 semester hours)
This course focuses on the role that international law and international regimes play in global governance. Students will examine the international legal framework that governs state relations, including international organizations and norms, ordering principles, treaties and international regimes.

IRLS405 National and Transnational Justice (3 semester hours)
This course provides an overview of many transitional and transnational justice approaches. Beginning with Nuremberg through to the International Criminal Courts, students will gain a thorough understanding of the global justice endeavors and their connection to human security.

IRLS409 Environmental Security (3 semester hours)
This course provides an overview of environmental security by examining environmental threats such as climate change, water scarcity, consumption patterns, urbanization, resource extraction and usage, food security, and globalization. The course provides students with a thorough understanding of how environmental security and human security are intertwined.

IRLS412 Comparative Foreign Policy (3 semester hours)
An analysis of the foreign policy and policy-making process in various regions of the world. Specific case studies allow the student to assess national priorities and ideological commitments in the post-Cold War era.

IRLS413 International Conflict Resolution (3 semester hours)
This course examines the application of conflict resolution theories to interstate crises and civil wars by international organizations like the UN and NATO, states and ad hoc coalitions of states and non-government entities. The focus will be on the post-cold war conflicts.

IRLS414 Principles of Peacekeeping (3 semester hours)
This course explores logistics in peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN and regional peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for peace operations. This includes challenges surrounding funding and rapid deployment, as well as the advantages and challenges associated with public/private partnerships and a multi-dimensional approach to peacekeeping logistics.

IRLS415 Peacekeeping Logistics (3 semester hours)
This course explores logistics in peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN and regional peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for peace operations. This includes challenges surrounding funding and rapid deployment, as well as the advantages and challenges associated with public/private partnerships and a multi-dimensional approach to peacekeeping logistics.

IRLS416 The North Atlantic Treaty Organization (NATO) (3 semester hours)
This course will explain how an alliance of nations, formed to protect its member countries from a re-emergence of post-World War II Germany, transformed itself in order to protect Western Europe from the Warsaw Pact. It will delve into how an alliance that was purely defensive in origin evolved into an organization that conducted offensive operations in Bosnia-Herzegovina and attacked a sovereign nation in an attempt to bring peace to Kosovo. It will conclude with a study on the possible future of NATO in the changing environment of Europe and America. The scope of this course focuses on the role of the North Atlantic Treaty Organization (NATO) since it's founding to the present. The course includes the formation of the Alliance, the study of the member countries military forces, the organization and purposes of the various NATO Headquarters, the role of NATO in the Cold War, and the role NATO is playing today in the stabilization of Europe.

IRLS417 International Civil Order (3 semester hours)
This course explores the unique role of international civilian police in peacekeeping operations. Students will gain an understanding of the principles, strategies, operational and tactical considerations that shape the way that international civilian police establish a rule of law that is effective enough to support emerging democratic societies and build sustainable peace. Emphasis is placed on the roles, responsibilities, challenges, and risks facing international civilian police, as well as their relationships with other international actors. This course offers a unique advantage, in that completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate, once this course is completed.

IRLS440 The Third World: Dependency and Development (3 semester hours)
This course examines the Third World by focusing on its origins, the colonial legacy that shaped it, the political and social forces that control it, the economic and social programs implemented for its development, while dependency and modernization theories will be studied and assessed through specific case studies. The forces of democratization will be identified and evaluated in relation to development. The power of religion, the plague of ethnic conflict, the human rights abuses (women's position, child labor, child prostitution), AIDS, the Green Revolution, urbanization, sustainable development arguments and strategies will be evaluated along with their effects on local societies. The course will also identify the various types of revolutionary movements, governments, and the economic models that have been tried after independence. Finally it will evaluate the ties of globalization and review the debate over its effects on the Third World development.

IRLS460 Government & Security in the Middle East (3 semester hours)
Examines historic, cultural, economic, social, religious, and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. Surveys the governments of selected countries, considering factors such as legitimacy and political development. Includes a survey of contemporary issues salient in the region, including the Arab-Israeli dispute, with particular focus on regional security concerns.

IRLS463 Arab-Israeli Conflict: Contemp. Politics & Dipl. (3 semester hours)
This course will trace the origins, evolution and development of the Arab-Israeli conflict from the early 20th century to the present. The course follows a thematic and chronological schema, drawing on a variety of sources. Considerable focus and attention will be given to the current and ongoing conflict between Israelis and Palestinians.

IRLS468 Politics and Security in the Persian Gulf (3 semester hours)
Politics and Security in the Persian Gulf course explores political, social, economic, and cultural issues that are relevant to the contemporary Gulf politics and security. In this context, this course also examines the impact of external powers within the region; and thus, the correlation of this impact with the rise of vulnerabilities and implications both at the regional and global levels.

IRLS490 Independent Study: International Relations (3 semester hours)
Individual study or research of a selected topic conducted on a tutorial basis. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.(Prerequisite: IRLS210).

IRLS491 Special Topics in International Relations (3 semester hours)
This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a research project.

IRLS492 Senior Seminar in International Relations (3 semester hours)
This senior capstone course allows students majoring in International Relations to analyze specific issues at the global level that would include: armaments, disarmament and proliferation; nationalism and world order; terrorism; peacekeeping; drug wars; political development and revolutionary change in less developed countries; and the organized use of force. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other International Relations courses have been satisfactorily completed.Prerequisite: Completion of a minimum of 106 hours towards your program.

IRLS493 Capstone Middle Eastern Studies (3 semester hours)
This senior capstone course allows students majoring in Middle Eastern Studies to analyze specific issues at the regional level including the role of religion, culture, politics, security, economic issues. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other Middle Eastern Studies courses have been satisfactorily completed.Prerequisite: Completion of a minimum of 106 hours towards your program.

Legal Studies (LSTD)

LSTD100 Introduction to Law for Paralegals (3 semester hours)
This is the foundation course for the program. This course requires no previous legal background and introduces the student to the paralegal profession, the legal system, legal research, writing, and analysis, and other aspects of the law and the law office. This course will provide practical problem exercises of the type faced in an office environment; help the student develop the requisite paralegal skills; and presents a variety of the ethical issues and perspectives that paralegals face today. The overall theme is to address a broad range of paralegal topics in a contemporary law office environment.

LSTD201 Litigation (3 semester hours)
This course gives the students a broad overview of the litigation process and the specific role of the paralegal. This course is an introduction to and the exploration of the process related to civil litigation and the procedures normally the responsibility of the paralegal in preparing materials for trial. Coverage will include information gathering, interviewing, organizing, and preparation of materials for trial. It includes general information on the litigation process and practical exercises to help the student learn to implement the role of the paralegal, such as how to conduct an initial fact finding interview. The course will give an overview of the structure of the court system.

LSTD202 Real Estate Law (3 semester hours)
This course is a study of real estate law, with emphasis on those portions of real estate law that are essential to the processes and functions of the real estate purchase, administration, financing, land use regulation, financial instruments, leases, and property rights. The law of real estate has traditionally consisted of laborious manual searches to ensure good title. The internet provides real estate attorneys and legal assistants with new tools and procedures for conducting real estate transactions. This course will prepare the student for these concepts and will introduce the student to the new world of the Internet as related to real estate law.

LSTD203 Criminal Law and Procedure for the Paralegal (3 semester hours)
This course will examine the practical aspects of criminal law and procedure as they pertain to the work of the paralegal. The course covers the nature of criminal liability, the elements of various crimes, and defenses to criminal accusations. The course will also cover criminal procedure, from search and seizure through trial and appeal. Constitutional issues relating to search and seizure, self-incrimination and other matters are explored in depth. Students learn how to prepare relevant legal documents.

LSTD204 Introduction to the Courts (3 semester hours)
This course is an introduction to the structure of the American court system. Topics include prosecution, right to counsel, pretrial release, grand jury process, and sentencing concepts. The course will assess the U.S Courts System and how it relates to the criminal justice system in America. Students will become familiar with the chronological events from the arrest process to sentencing and appeals. Students will be able to explain concepts of stop and frisk arrest, searches under warrant, and presentation of the case to the magistrate. Assessments of the criminal trial process and phases of pretrial and trial proceedings will be examined.

LSTD205 Legal Research and Writing (3 semester hours)
This course will assess the methods used to locate necessary legal materials and be able to evaluate the appropriate citations of those materials. The paralegal aspects are reviewed and distinguished from other judicial case briefings. The course will introduce legal analysis methods and the preparation of appropriate techniques for researching legal issues and cases. Critical definitions of legal terminology are analyzed and used in preparation of legal materials such as memoranda, client letters, and other relevant documents. The course presents the student with techniques for effective writing in the legal environment.

LSTD207 Civil Practice and Procedure (3 semester hours)
This course is an overview of civil practice and procedure and will examine the process that courts must follow when hearing cases of a civil nature. During the course of study, students will learn how a lawsuit is commenced, what kind of service of process is required, the types of pleadings, motions, and orders allowed in civil cases, the timing and manner of depositions and discovery, the conduct of trials, the process for judgment, various available remedies, and how the courts and clerks must function. The course focuses on the legal skills involving interviewing and counseling for civil cases, the drafting of legal documents for civil cases, and legal ethics focused specifically on civil cases. Course topics include civil trial practices of pleadings, motions, discovery, pre-trial conferences, jury selection, trial protocols, and appellate strategies.

LSTD209 Sports Law, Risk, and Regulation (3 semester hours)
This course is a broad study and analysis of sports law and regulation. This course is rooted in the conviction that sports law is an intricate blend of contracts, regulatory schemes (including antitrust law, risk and liability concerns), and torts. Additionally, bargaining issues including unions, contract negotiation, and collective bargaining will be covered. This course will also examine risk assumption and liability as they relate to sports law. This class will also discuss relevant sports organizations (NCAA, NFL, etc.); Title X; drug testing of athletes; the role of sports agents; intellectual property issues; broadcasting law; and rules of athlete eligibility and participation. This course exposes the student to legal cases from the individual perspective of the player, coach, fan, owner, agent, and medical staff, in addition to leagues and administrative bodies, dealing with captivating subjects as varied as drug testing, gender discrimination, player violence and criminal conduct, breach of contract, player eligibility, product liability, endorsement contracts, and television broadcasting.

LSTD210 Legal Ethics (3 semester hours)
This undergraduate course introduces students to the ethics and professional responsibilities of the legal profession. Emphasis is given to the strict regulation of the practice of law and accompanying reasons, as well as the standard of care expected by those who work in the field. Important ethical issues, such as marketing, client relationships, fees, and communications are explored. Students will analyze the model rules and their practical applications.

LSTD299 Sophomore Seminar in Paralegal Studies (3 semester hours)
This course is a culminating course for the Associate of Science in Paralegal Studies degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Paralegal Studies. The student will complete an approved academic project or paper that demonstrates his or her grasp of the paralegal studies field. This is a culminating course to be taken after all other Associate of Science in Paralegal Studies courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in Paralegal Studies program.

LSTD300 Administrative Law and Policy (3 semester hours)
This undergraduate course is the study of the work of administrative agencies in the executive branch of the United Statesgovernment with some additional material on administrative agencies in state and local governments. Administrative law andpolicy touches virtually every person in the United States virtually every day of the year. It is the administrative agencies thatfill in the "details" of government policy. Indeed, administrative agencies are so important and so powerful that they arefrequently referred to as the "fourth branch of government."This course will examine the position that agencies occupy in our constitutional system of government by carefully detailing therespective roles of the legislative, executive and judicial branches of government. The course will be mainly concerned withadministrative procedure (i.e., agency rulemaking and adjudication, agency investigations, agency sanctions) but because it isalmost impossible to distinguish between substance and procedure, the procedural elements of administrative law will beillustrated and discussed in the context of a specific agency action--e.g., the Environmental Protection Agency's actions oncarbon emissions and global warming. The course will analyze the work of the "independent regulatory commissions" as well asthose agencies that are completely under the control of the President of the United States. Both the legislative and judicialbranches of our government have a large impact on administrative law, so the actions of Congress in creating and watching overthe agencies and the actions of the courts in adhering to the rule of law for agency action ("judicial review of agency action")will be vital components of the course.

LSTD301 Constitutional Law (3 semester hours)
This course is an introduction to Constitutional Law, the Supreme Court, and other aspects of the legal system using the case analysis approach. Its concentration is on the study and analysis of United States Constitution. It emphasizes an in-depth study of the Bill of Rights, specifically those rights pertaining to Civil Liberties. Topics include: the historical events that led to the development of the Constitution; principles governing the operation of the Constitution and the role of the U.S. Supreme Court and the Judiciary; characteristics and powers of the three branches of government; development of due process and individual protections to include right to speech, freedom of religion, right to bear arms, right to vote, and right to counsel.

LSTD302 Criminal Law (3 semester hours)
This course familiarizes the student with the basic law, procedures and rules that govern the criminal justice system in America. It is designed to produce students who can understand, appreciate and discuss the benefits and problems with the criminal justice system in America today. The students will become conversant with the Bill of Rights, basic criminal law terminology and procedures. The course emphasizes the principles of criminal liability and the acts, mental state, and attendant circumstances that are necessary ingredients in crimes against persons or property or in offenses involving theft, fraud, drugs, morality and decency, public peace, or public justice.

LSTD303 Family Law (3 semester hours)
This upper level undergraduate course introduces students to the legal and procedural requirements of family law. Students will explore various legal procedures and extrajudicial methods. Topics such as marital agreements, separation, divorce, alimony, custody, adoptions, domestic violence, cohabitation, and same-sex marriages will be covered. Emphasis is placed on linking theory to practice.

LSTD304 Military Law (3 semester hours)
This course is designed to provide students with a solid knowledge of US Military Law through the study of the evolutionary process, politics, and motivation that has led to the current status of US Military Law. Topics include the history of military law, US Military Law, statutory basis, legal system, and basic application. It will also include an analysis of current events as related through the press, where military law is involved.

LSTD306 International Law (3 semester hours)
This course introduces students to the nature, development, principles, and processes of the law that applies among nations. Students will evaluate the various implications of state sovereignty as viewed through the prism of public international law. Specific topics include the sources of international law such as custom and treaty, the role of international organizations such as the United Nations, the bases of international jurisdiction, and international norms governing recognition, nationality, the global environment, protection of human rights, and the use of force. This course introduces the student to the basic principles and practices of international law and legal regimes and examines traditional and emerging topics in the field: human rights, the Law of the Sea, the Law of Armed Conflict, War Crime Tribunals, and the International Criminal Court.

LSTD350 Victim Advocacy (3 semester hours)
This course prepares students to provide assistance to crime victims. What a victim advocate is and their rights and responsibilities will be discussed. Students will learn how to navigate through the Criminal Justice System to include both the civil and criminal litigation process, as well as understanding the steps to help victims towards a successful recovery. The course prepares the student to work in victim advocacy arenas such as crisis hot-lines, domestic violence shelters, etc. Course topics include legal terminology, legal process, legislation regarding victims-rights, effects of victimization, victim advocate skills, and crisis intervention.

LSTD400 Criminal Legal Process (3 semester hours)
This is a procedural law course which includes an overview of the law of arrests, search, and seizure, the making of bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights. This course examines procedures used by American police, prosecutors, and courts to bring criminal cases to trial and explores some of the defendant's rights at trial and on appeal. The course will consider the Common Law, constitutional, and statutory bases of procedural practices in American criminal law. The student will be exposed to a comprehensive overview of the processes involved in the use of criminal evidence including rules of evidence; arrests, searches, and seizures; interrogations, confessions, and non-testimonial evidence, impeachment and cross-examination of witnesses; opinion evidence; hearsay evidence; and articles and exhibits of evidence.

LSTD401 Maritime Law (3 semester hours)
This course is a study of the primary international and domestic laws governing navigation, naval operations, and maritime law enforcement. Students will study various aspects of the international law of the sea, maritime jurisdiction, and other laws and treaties dealing with such topics as maritime safety and security, drug trafficking, fisheries management, marine environmental protection, and piracy.

LSTD402 Immigration Law and Policy (3 semester hours)
This course is an introduction to immigration law and policy. Its concentration is on the study and analysis of governing immigration laws and the application of those laws to immigration practice. Current immigration policies and procedures will also be analyzed and discussed. Topics covered include: historical developments and sources of immigration law, federal agencies governing immigration law and practice, admission procedures to the U.S. to include immigrant and non-immigrant visas and citizenship, removal (commonly referred to as "deportation") laws and procedures, and relief from removal to include asylum, cancellation of removal, and other forms of relief.

LSTD453 Evidence (3 semester hours)
This undergraduate course will focus on the basic legal rules governing kinds of information which can be developed and received at trial, and how evidence may be considered by the trier of fact. Students will study how policies favoring probative evidence must be weighed against policies protecting against hearsay, opinion, prejudice, time consumption, and other harmful matters. Proper examination and impeachment of witnesses will also be explored.

LSTD497 Senior Seminar in Legal Studies (3 semester hours)
The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Legal Studies. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Completion of a minimum of 106 hours towards your program.

Literature (LITR)

LITR201 World Literature through the Renaissance (3 semester hours)
Readings in translation from a variety of cultures and authors from the Ancient World through the European Renaissance will be the focus of this class. Representative selections will be drawn from Classical Greece and Rome, China, India, and Western Europe. Readings include the major genres of epic poetry, drama, lyric verse, and prose fiction. Major themes include the warrior ideal, the relationship between the state and the citizen, and the pleasures of private life. (Prerequisite: ENGL101 or ENGL110)

LITR202 World Literature since the Renaissance (3 semester hours)
This course presents readings and film selected from a variety of cultures and authors from the 17th century through the 20th century. Representative selections will be drawn from Western Europe, Russia, India, Asia, Africa and the Americas. Major themes include the individual's struggle to adapt to a changing, increasingly globalized modern world which threatens, objectifies, and often misinterprets other cultures. Emphasis is placed on a cross-cultural and cross-temporal understanding of gender roles, family obligations, and the many relationships that shape our lives. (Prerequisite: ENGL101 or ENGL110)

LITR204 Contemporary World Culture Through Literature (3 semester hours)
This course examines aspects of contemporary world culture through literature. The course will take a dual thematic approach and geographic approach to issues that are particular to third-world/ developing countries, indigenous peoples, and authors in exile. Students will explore the impact of cultural concerns for an increasingly multi-cultural world. (Prerequisite: ENGL101 or ENGL110)

LITR205 Cultural Diversity in Contemporary American Literature (3 semester hours)
This course examines the United States' cultural diversity through American literature of the late 20th and early 21st century. Students will attempt to construct a more full understanding of American identity through the voices of Americans of widely varying backgrounds. Assigned works and authors range the spectrum of diversity, and include works that are written from different perspectives of gender, ethnicity, and culture. (Prerequisite: ENGL101 or ENGL110)

LITR210 English Literature: Beowulf to18th Century (3 semester hours)
In this course, students will study selected texts in English literature from Beowulf through the 18th century, including prose, fiction and nonfiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. (Prerequisite: ENGL101 or ENGL110)

LITR211 English Literature: 18th Century to Present (3 semester hours)
In this course, students will examine selected texts in English literature from the 18th century to the present, including prose, fiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. Core authors include: Emily Brontë, Josef Conrad, Virginia Woolf and James Joyce. (Prerequisite: ENGL101 or ENGL110)

LITR220 American Literature before The Civil War (3 semester hours)
Through early American literature, we have the unique opportunity to see and experience what the United States was like before the Civil War through the eyes of those who not only lived here, but helped create it. We will explore some of the most influential social pieces ever written and discuss why these are vital to the fabric of our nation. Think of all we can learn about the United States by studying those who write about it. (Prerequisite: ENGL101 or ENGL110)

LITR221 American Literature from The Civil War to Present (3 semester hours)
This course examines the rapid social and technological changes that have taken place in American culture during the mid-to-late nineteenth and twentieth centuries, and how these upheavals have been expressed in our nation's literature. (Prerequisite: ENGL101 or ENGL110)

LITR310 British Fiction (3 semester hours)
In this course, students will study selected texts in British literature from the start of written literature in the Anglo-Saxon period through the present. Specifically, the course will focus on fiction within the historical and cultural contexts, and issues relevant to the time. Analysis of the changing characteristics of literary movements through the centuries will be included in general discussion. Prerequisite: COLL300.

LITR316 British Poetry (3 semester hours)
This course offers a chronological survey of British poetry from the Anglo-Saxon era through the twentieth century. The poetry will be examined within the social and cultural contexts in which it was produced. (Prerequisite: ENGL101 or ENGL110)

LITR320 American Fiction (3 semester hours)
This course provides an examination of American society and culture through literature, using fiction that covers different eras, personalities, and issues. Stress is placed on characterization and other literary techniques, as well as on the nature of American society itself and fiction's place in that society. (Prerequisite: ENGL101 or ENGL110)

LITR322 American Poetry I (3 semester hours)
This course provides a survey of the major American poets, poetic style, and poetry from colonial to contemporary times, examining in the process what a poem is and how meaning is created through the use of literary devices. (Prerequisite: ENGL101 or ENGL110)

LITR324 African-American Literature (3 semester hours)
This course will cover African-American literature from the earliest times to the present; development of prose and poetry, the novel; and the evolution of African-American political and social discourse through literature. (Prerequisite: ENGL101 or ENGL110)

LITR325 Gothic Literature (3 semester hours)
Gothic Literature is designed to give students an overview of the genre of Gothic fiction, starting with its roots in 17th Century England and ending with 20th Century American fiction. The course will analyze how the tradition began, evolved, and was influenced by important cultural traditions including romanticism, enlightenment, and women's rights. Readings in the course include novels, plays, poetry, and short stories, as all have been used in the Gothic tradition. Authors studied in the course include John Milton, Lord Byron, Ann Radcliffe, Charlotte Bronte, Jane Austen, Edgar Allen Poe, H.P. Lovecraft, William Faulkner, Flannery O'Connor, and Joyce Carol Oates. Prereq: ENGL102 or ENGL200.

LITR330 Literary Theory (3 semester hours)
This course is designed to expose students to literary theory. Students will read essays that cover key components of literary analysis such as Marxism, feminist theory, structuralism, and post-modernism, among others. (Prerequisite: ENGL101 or ENGL110)

LITR337 Women Writers (3 semester hours)
Women writers have influenced thinking around the world, but this was not always recognized until recently. This course is an inclusive survey of women writers from around the globe, in both the Eastern and Western tradition, in all literary genres, through specific literary contributions from historical and modern times. (Prerequisite: ENGL101 or ENGL110)

LITR341 Folklore (3 semester hours)
This course provides a survey of folk literature. Special emphasis is placed on identifying archetypes, themes, and motifs, which are the common threads of orally transmitted literature across place and time, which also carry over into other forms of literature and popular culture. Assigned readings represent a sampling of folklore from around the world from ancient to modern eras. Some subjects include: magic, tricksters, heroism, taboo, and shapeshifters. Students will participate in a research project throughout the course. (Prerequisite: ENGL101 or ENGL110)

LITR355 Latin American Literature (3 semester hours)
This course offers a study of major Latin-American writers and literary movements from the Nineteenth-Century to the present. It challenges students to think critically about issues of race, class, gender, culture and identity in order to understand the evolving character of Latin America through representative literary texts. (Prerequisite: ENGL101 or ENGL110)

LITR365 Middle Eastern Literature (3 semester hours)
This course will focus on Middle Eastern culture through an analysis of major Middle Eastern literary works including literature from ancient through modern times. The works studied represent a broad survey of the literature available from the Middle East, including works from ancient Mesopotamia, works available from classical Arabic, and works that span the ages passed down by oral tradition and only recently recorded. The novel as interpreted by eastern rather than western sensibilities is also examined. (Prerequisite: ENGL101 or ENGL110)

LITR370 African Literature (3 semester hours)
This course presents African literature from various countries across the continent with a close examination of the ways in which prose, poetry, and drama reveal the depths and beauty of the African culture and its people. (Prerequisite: ENGL101 or ENGL110)

LITR402 Shakespeare: An Author for the Ages (3 semester hours)
This course will cover the major elements of Shakespeare's writings, including his histories, comedies, tragedies, and sonnets. The course will focus on the plays both as literature to be read and discussed as well as theatrical scripts for realization in a performance setting. Additional readings of recent criticism will be assigned to help students develop their analysis and understanding of the texts read. Prerequisite: COLL300.

LITR403 The Work and Life of Ernest Hemingway (3 semester hours)
This course examines the genius and influence of Ernest Hemingway and his works on world literature. Students will study works selected for the sort of quality and precision that would define Hemingway's art of writing and earn the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration." Prerequisite: COLL300.

LITR404 Mark Twain (3 semester hours)
Mark Twain's life and literature marks an important milestone in American history. Author, traveler, and riverboat pilot, Mark Twain is most commonly known as a humorist, but modern scholars interpret his life as tragic. This course explores historic and modern criticism of Twain's career and literature. Prerequisite: COLL300.

Management (HRMT)

HRMT101 Human Relations Communication (3 semester hours)
This course provides students with communication strategies from the behavioral sciences designed to establish positive relationships with individuals and groups in the modern workplace. Through readings, critical thinking exercises, problem-solving scenarios, written assignments, and case studies, students develop the human relations skills required to interact effectively with people at work. Communication skills and practices pertinent to ethical relationships with members of line management, co-workers, direct reports, customers, and the public are examined. Also, interpersonal and organizational applications associated with group/team functions, multicultural and multigenerational relationships, leadership, mentoring, and customer satisfaction are presented to assist students with the timely identification and resolution of communication issues and challenges.

HRMT200 Human Resource Fundamentals (3 semester hours)
This introductory course focuses on the concepts and methods of managing human capital in an organization. Students will have the opportunity to explore human resource fundamentals by discussing practices in the selection, training, job analysis, evaluation, wage setting, incentive principles, merit rating, job efficiency, and labor/employee relations of human resources as applied to various types of organizations.

HRMT201 Employee Training and Development (3 semester hours)
In the emerging global economy, only those organizations dedicated to continuous learning are expected to grow and thrive. This course is an examination of individual and organizational strategies designed to stimulate creative approaches to learning in organizations. Students will have the opportunity to outline individual development plans from an organizational and personal perspective. Theoretical foundations and practical issues involved in employee training and development in business organizations are explored.

HRMT202 Interviewing Fundamentals (3 semester hours)
In today's workforce, being qualified is not enough. Most applicants are qualified, but they may not be the right fit for the culture. Interviewing has become a crucial process in organizations, and the outcome can determine the next path for many people. Therefore, it is important to spend time preparing for the actual interview meeting. This course will provide a comprehensive study on skill sets that interviewees should display to be the chosen candidate. Topics include communication and interpersonal skills, critical thinking and problem-solving skills, time and project management techniques, and managing change with a positive attitude and self-confidence. Emphasis will be placed on clear concise written and spoken communication regarding business correspondence and oral presentations.

HRMT390 Human Resource Manager Integration Course (3 semester hours)
This course is only for Walmart Market Human Resource Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of strategic human resource management; human resource development; organizational behavior; ethics; employee and labor relations; communications; talent management; dispute resolution and safety. Competency based assessment of job learning demonstrates that students taking this course have : inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above.

HRMT407 Human Resource Management (3 semester hours)
This course provides an overview of concepts, skills, theories and techniques involving human resource management(i.e. recruitment and selection, training and development, performance appraisals, reward systems, and benefit programs). Students will have the opportunity to review scenarios involving innovative HR practices in the workplace.

HRMT411 Dispute Resolution (3 semester hours)
This course focuses on the principles, practices, and processes of dispute and conflict resolution. The course draws on interdisciplinary materials from social science, decision theory, management/labor relations, law, and others. Course curriculum incorporates a review of non-binding dispute resolution strategies such as negotiation and mediation, binding strategies including arbitration, and psychological challenges to overcoming conflict such as cognitive perception biases.

HRMT412 Compensation and Benefits (3 semester hours)
This course establishes a foundation for the art of compensation and benefit practices. Students will examine the context of compensation and benefit practices, the criteria used to compensate employees, compensation system design issues, employee benefits, and contemporary challenges that compensation and benefits professionals will face given the current economic times.

HRMT413 Employment and Labor Relations (3 semester hours)
This course will explore the historical evolution and current state of employment relations theory. Workplace democracy, the source of workplace conflict, alienation, the evolution of class, collective bargaining, and other issues are discussed from a variety of perspectives. Students will become familiar with terminology and practices such as employee-employer relationships in non-unionized and unionized settings; problems and theories of union organizing, collective bargaining, and contract administration.

HRMT415 Human Resource Management Information Systems (3 semester hours)
This course provides a basic overview of various automated information systems that are available to support today's human resource departments. Students will have the opportunity to explore online, offline, and hybrid HR software applications as well as other automated processes. Additional topics include HR analytics, systems security, individual privacy, legal implications and streamlined interview process.

HRMT416 Human Resource Development (3 semester hours)
Training and development is no longer an option for organizations – continuous learning has become an essential requirement for those companies that wish to sustain market share and compete successfully in the marketplace. This course provides a comprehensive overview of the training and development function and is applicable to all organizations and jobs. Training methods, theories, research findings, and issues regarding training, employee development, and the career management function in organizations will be explored.

HRMT419 Recruitment and Staffing (3 semester hours)
Hiring a new employee can be costly, and the cost becomes greater with the selection of an individual who is not a good fit. Therefore, the talent management and development functions spend quality time developing strategic plans to address the organization's recruitment, selection, and retention initiatives. This course examines external and internal staffing processes and practices needed for a successful search. Students will explore the various techniques/methods for determining whether individuals possess the knowledge, skills and abilities required by the organization.

Management (MGMT)

MGMT100 Human Relations (3 semester hours)
This course is designed to provide the student with a basic foundation of positive communication strategies among individuals in today's business settings. Students will accomplish a variety of assignments that promote critical thinking and problem solving, and will develop basic human relations skills essential to function effectively in a modern business environment. Students will be presented with communication concepts associated with interpersonal relationships, including individual differences, group/team activities, cultural relations, leadership, mentoring, customer satisfaction and ethics. Communication concepts from assigned reading will be stressed, and this knowledge will then be applied in the analysis of case studies, scenarios, and problem-solving exercises to develop interpersonal skills that can be used in actual work situations.

MGMT101 Principles of Supervision (3 semester hours)
Supervisors are the first line of leadership. This course provides an overview of supervision in the workplace. Students will explore concepts and skills on how supervisors can improve their skill set for their scope of responsibilities (i.e. goal setting, problem-solving, staffing, conflict management and development of employees).

MGMT200 Ethics Fundamentals (3 semester hours)
How can we help employees do the right thing? Ethical behavior in organizations is a topic that warrants exploration. The purpose of this course is to investigate some of the ethical issues facing the modern workplace. Topics include acceptable risk, intellectual property, workers' rights, whistle-blowing, moral leadership, outsourcing, and ethical issues in marketing. Students will be asked to reflect and examine how one comes to terms with being a good citizen and preventing unethical business practices.

MGMT201 Organizational Fundamentals (3 semester hours)
Students taking this course should not take RTMG150. This course is designed to provide students with an overview of the challenges that arise for managers in organizational settings and to provide an introduction to the concepts and theories that can be useful in facilitating organizational effectiveness. Students will have the opportunity to review and critique the latest research on obstacles facing the modern workplace, motivation of employees, organizational justice, and implementing the best systems, processes and procedures for efficient workflow.

MGMT295 Course MGMT295 Not Found (semester hours)

MGMT310 Principles and Theory of Management (3 semester hours)
This course introduces the concepts, theories, and principles of management. Students will have the opportunity to explore the aspects (i.e. planning, organizing, staffing, directing, and controlling) of the management process. Classical and contemporary management theories that operate in today's business will be discussed.

MGMT311 Organizational Behavior (3 semester hours)
Successful organizations strive to hire the best talent and seek innovative strategies on how to retain them. Leaders attempt to create an environment that is appealing by soliciting feedback on what motivates them to stay. This course examines the field of organizational behavior and the various research strategies in areas such as personality, motivation, values, stress, leadership skills, power bases, and communication. It is designed to explore the attitudes and behavior of leaders and employees.

MGMT312 Leadership & Motivation (3 semester hours)
This course is designed to provide students with a solid foundation about leaders, the leadership process, and motivation. Topics include the theories of leadership and motivation, leadership power, leader behavior, leadership characteristics, the role of gender, substitutes for leadership, and dysfunctional leadership. MGMT312 serves as a self-assessment of the student's leadership and motivation skills, knowledge, and attitudes and addresses the questions: Who am I as a leader? What are my most distinguishing leadership traits? What leadership style am I most comfortable being around? How do I influence others, and how do I motivate others?.

MGMT313 Organizational Change (3 semester hours)
The realities of organizational change affect every individual, every business, and every government. Change and transformation are constants in today's global and technical environment. This course explores theories and concepts which explain how to gain acceptance and buy-in for change management initiatives within organizations. If management and employees accept these changes, the impact will be beneficial and less disruptive to daily operations. Whether the change is as small as the implementation of a new financial system or as big as a plant move across the country, the implementation process necessitates planning and communication to ensure success.

MGMT314 Management Ethics (3 semester hours)
With all of the cases regarding corruption, scandals and unethical behavior in businesses, how does one do the right thing? This course explores the moral and ethical responsibilities of managers and their direct reports. Topics of discussion include organizational justice, human resource practices (i.e. employee selection, salary administration, employee relations), and corporate/social responsibility.

MGMT315 Management Communications (3 semester hours)
Effective communication is necessary at all levels of an organization, and executives are concerned that employees lack this skill set. The focus of this course is the exploration of theories and techniques utilized in achieving efficient external and internal communication processes and practices within and among businesses. Students will be encouraged to apply their analytical, creative and critical thinking skills in developing and presenting potential solutions to managerial problems.

MGMT331 Leading Yourself Foundations (3 semester hours)
This course provides the critical elements of analytical and intellectual examination and reflection of certain core issues in the practice of leadership. The purpose of the course is to gain a better understanding of leadership from multiple angles and perspectives. Students will explore the different ways leadership has been defined and studied; similarities and contradictions among current leadership theories and the way leadership has been exercised in business, military, and political contexts.

MGMT332 Leading Others Leadership Counseling (3 semester hours)
The world of work has changed, and new models of leadership are being employed to motivate and empower employees. Successful leaders can connect with their followers, and the relationship begins with the leader's ability to meet subordinates where they are and take them to new levels. This process can be achieved through effective counseling/mentoring /coaching. The course will address techniques employed in promoting confidence, healthy work relationships, and mental stability. Some of the topics discussed include active listening, conflict resolution, motivation and inspiration, constructive feedback, and mapping a course for behavioral change.

MGMT410 Strategic Management (3 semester hours)
In today's business environment, executives have challenging and costly corporate decisions to make regarding globalization and organizational expansion. This course focuses on concepts and approaches that shape organizational strategic decision making by examining internal and external factors and influences. Students will have the opportunity to analyze case studies and participate in discussions on how best to select competitive strategies and analyze competitive advantages.

MGMT414 Strategic Planning (3 semester hours)
This course focuses on the principles utilized in the formulation and execution of an organization's strategic plan as it relates to maintaining a competitive advantage. The integration of an organization's mission, stakeholder objectives, vision, and core values is emphasized.

MGMT490 Independent Study: Management (3 semester hours)
Independent study enables a student to pursue an academic topic in a field of special interest on a previously approved topic under the supervision of a faculty member and resulting in an academic, practical and/or artistic product. Students are required to prepare a draft proposal of project, and submit to the Program Director, Management for approval prior to registering for the course. Once approval has been obtained, advising department is notified so that student can register for course.

MGMT495 Senior Seminar in Management (3 semester hours)
The end of program course is designed to allow the student to create a final project or paper by integrating the information that has been obtained through the course of study. All coursework in the BA in Management program must be completed before registering for this course. Prerequisite: Completion of a minimum of 106 hours towards your program.

Marketing (MKTG)

MKTG201 Fundamentals of Marketing (3 semester hours)
This course is a comprehensive survey of marketing activities and the function of marketing. The course will familiarize the student with the scope, terminology, and procedures of marketing. Course topics include the analysis of markets, competition, consumer behavior, and the assessment of product, price, distribution, and promotion strategies. Consumer motivation and the diffusion and adoption of new goods and services are studied. The student will complete a marketing plan of his own.

MKTG301 Principles of Sales (3 semester hours)
This course explores the principles of selling in various situations encountered in interpersonal interactions. Effective and ineffective sales methods for both person to person and group selling are studied in order to increase the understanding of the sales process.

MKTG303 Strategic Internet Marketing (3 semester hours)
This course is a study of the concepts of Internet business models and how general managers must formulate and execute successful strategies in order to gain, defend, or reinforce a competitive advantage in the face of the Internet. Students will learn about the concepts and tools needed to analyze Internet business models for both start-ups and incumbent brick-and-mortar firms. This course covers Internet properties, value configurations, culture, ethics, demographics, international marketing and emerging public policy issues to include privacy and security. Topics include web page analysis, intelligence agents and the hardware and software tools necessary for Internet commerce.

MKTG304 Public Relations (3 semester hours)
This course is an introduction to public relations, covering strategies and tactics used by public relations professionals. The course emphasizes theory and skills needed to perform in the professional arena, including an introduction to research-based public relations campaigns. A major focus of the course for the student is a “walk through” of a public relations campaign that uses a checklist approach.

MKTG305 Advertising (3 semester hours)
This course is a study and analysis of advertising's role in marketing operations. Course topics will include such areas as the integration of advertising into sales promotion, event marketing, direct response, and other varied support strategies.

MKTG307 Consumer Behavior (3 semester hours)
This course explores consumer behavior from determining consumer needs and wants, the process by which they are satisfied, and the environment in which the behavior occurs. The objectives of the course are to introduce the student to concepts developed in psychology, economics, and sociology and their relationship to consumer behavior, to involve the student directly in the study and analysis of consumer behavior, and to develop in students the ability to translate what can be learned into marketing action implications.

MKTG308 Social Media Marketing (3 semester hours)
This course presents the use of online social networking as a marketing strategy designed to increase customer loyalty and lead conversion. Through the study of social media sites, students evaluate contemporary and emerging tools in the digital marketplace.

MKTG400 Marketing Research (3 semester hours)
This course is a study of the conduct of marketing research to provide information to be used in the decision making process. Course topics include problem definition and solution in a marketing context, data collection methods, sampling, research design, statistical techniques in the analysis of market research information, and survey planning.

MKTG401 Marketing Strategy (3 semester hours)
This course presents the analytical and decision-making processes involved in formulating, implementing, and controlling a strategic marketing program for a given product-market entry. It includes discussions of customer, competitor, and environmental analysis; market segmentation and targeting; competitive positioning; implementation; and control. Because the course assumes that the student is already familiar with many of the concepts and analytical tools relevant to these topics, it goes beyond a simple review of definitions and procedures to examine strategic implications. The course also explores how marketing interacts with other levels of strategy and with other functional departments within an organization.

MKTG403 Marketing Management (3 semester hours)
This course is a study of the marketing process from a macro and management viewpoint. Topics may include the role of marketing in a society, management of a marketing staff, and the product, distribution, promotional, and pricing decisions.

MKTG407 International Marketing (3 semester hours)
This course is designed to develop marketing decision skills in the global context. The course focuses on international marketing theory and practice from the point of view of the marketing manager and the requirements of a business in the international marketplace. The emphasis is on the application of tools and methods of international marketing practices.This course builds on skills developed in previous course work and assignments by integrating these with the issues and concepts of international marketing. Consequently it is highly recommended that students taken MKTG300 prior to registering for this course.

MKTG410 Contracting and Negotiating (3 semester hours)
Students will explore the requirements for marketing to the federal government and corporate entities including an overview of proposals, performance, and bid or no bid decision making. This course describes the step-by-step process normally used in negotiating and preparing contracts, renewing contacts, and policies around breaking contract agreements. This course outlines the process and sets forth a set of flexible guidelines and methods designed to cope with the challenges of contract preparation and negotiating of contracts.

MKTG420 Branding (3 semester hours)
This course introduces students to understanding the need to differentiate products and services. The course explores how branding can have an impact on purchasing decisions. Students learn branding methods to transcend industries and techniques to use branding as an asset.

MKTG423 Marketing Writing (3 semester hours)
This course provides a sound understanding of an integrated approach towards marketing communications mix. The course assesses the impact of globalization of markets on marketing communications and provides an understanding of the cultural, legal and lifestyle of various cultures. This is an advanced writing course providing practice in producing marketing content for print, broadcast, online and public relations media. Commonalities and differences among writing formats, mechanics, and approaches of each medium are addressed.

MKTG495 Senior Seminar in Marketing (3 semester hours)
This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Marketing. The student will complete an approved academic project or paper that demonstrates mastery of marketing principles, concepts, and study. This is a capstone course to be taken after all other Management courses have been satisfactorily completed. Prerequisite: Completion of a minimum of 106 hours towards your program. NOTE: THIS COURSE WILL REQUIRE USE OF ADOBE CREATIVE CLOUD SOFTWARE ON YOUR COMPUTER OR OTHER DEVICE TO COMPLETE ASSIGNMENT DELIVERABLES THROUGHOUT THE COURSE.

MKTG499 Independent Study: Marketing (3 semester hours)
This course is an opportunity for Marketing students to pursue an independent research project or examine a specific area of Marketing under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Mathematics (MATH)

MATH100 Pre-Algebra (3 semester hours)
This course introduces concepts of beginning algebra including the solving of basic algebraic equations that involve integers, fractions, decimals and percents. It also introduces the concepts of polynomials and the graphing of two variable equations. Emphasis is on the fundamentals of beginning algebra to ease the transition into college level mathematics courses. This course is followed by MATH101, which will introduce intermediate algebra concepts that incorporate the skills covered in MATH100.

MATH101 Introduction to College Algebra (3 semester hours)
This course is an introduction to college algebra and is organized into six distinct parts, beginning with a review of basic mathematics skills. It then addresses the language of algebra, the definition, uses, and methods of solving equations and inequalities, exponents and polynomials, factoring, and rational expressions. Practical applications are emphasized throughout the course. This course does not fulfill the mathematics General Education Requirements, but it can be used as elective credit.

MATH110 College Algebra (3 semester hours)
This course investigates the concepts of college algebra. The course covers the concepts of algebra, graphing and solution of linear and quadratic equations, inequalities and the solution of systems of linear equations. The course is organized into four distinct parts. The first part of the course covers the basic concepts involved in graphing points and linear equations. The second part of the course investigates the solution and graphing of inequalities and systems of linear equations. The third part of the course concentrates on the manipulation and use of exponential expressions and radicals. The final part of the course considers the solution of quadratic equations and their applications. Practical applications are provided throughout the course. There is careful attention to the presentation of concepts that will become important in the study of analytic geometry, trigonometry and calculus. The course assumes the student has completed MATH101 Introduction to College Algebra or an equivalent course and is completely comfortable with the language of algebra, equations and inequalities, polynomials, factoring, and rational expressions.

MATH111 College Trigonometry (3 semester hours)
This is a course in college trigonometry. It builds on earlier college algebra courses such as MATH110, extends the students' studies to trigonometry, and introduces topics in analytical geometry. Practical applications are provided throughout the course. The course begins by reviewing methods of graphing and solving linear and quadratic functions as well as techniques for solving polynomials. It then concentrates on various trigonometric functions, identities and equations as well as the application of trigonometry to real-life situations. The final part of the course includes exponential and logarithmic functions as well as selected topics in analytic geometry including polar coordinates and the conic sections. While there are no prerequisites for MATH111, it is very highly recommended that the student has completed MATH110 College Algebra or an equivalent college level course.

MATH120 Introduction to Statistics (3 semester hours)
This is an introductory statistics course designed to help students achieve a basic understanding of the statistical methods available to analyze and solve the wide variety of problems encountered in workplace environments. The course is designed for students who seek an understanding of how statistics can be applied in areas that require the use of descriptive and inferential statistical methods. The emphasis of the course will be on the proper use and interpretation of statistical techniques. This is a MATH General Education course without any required prerequisites.

MATH125 Math for Liberal Arts Majors (3 semester hours)
THIS COURSE DOES NOT FULFILL MATH PREREQUISITE REQUIREMENTS IN SCIENCE PROGRAMS. STUDENTS IN AS OR BS PROGRAMS OR IN PROGRAMS THAT REQUIRE MATH302 SHOULD TAKE MATH110 OR HIGHER AS THEIR MATH GEN ED UNLESS CLEARED WITH ACADEMIC ADVISOR FIRST.This course examines various mathematical concepts and problem solving techniques and provides mathematical functional literacy for those majoring in non-technical subject areas such as intelligence, military history, economics, and management. Students will learn how to solve a wide variety of problems from such areas as: mathematical thinking; logic; number theory and real numbers; introduction to algebraic equations, inequalities, and problem solving; functions and graphs; geometry; mathematical systems and matrices; sophisticated counting techniques; consumer math; and an introduction to probability and statistics. This course is principally a problem-solving course where students learn how to solve a wide variety of mathematical problems, rather than a conceptual course where problem solving is not emphasized.

MATH200 Analytic Geometry (3 semester hours)
This course introduces students to the concepts of analytic geometry. Some of the most important applications in physical sciences will be presented; however, emphasis is on the fundamentals of analytic geometry as a foundation for the study of calculus. Students may use this course for higher level prerequisite mathematics requirements. Topics include: plane analytic geometry; vectors in the plane; equations of lines, circles, and conic sections; transformation of coordinates; curve sketching of polynomial and rational functions; polar coordinates; parametric equations; and three dimensional vectors. (Prerequisite: MATH110 or higher)

MATH210 Discrete Mathematics (3 semester hours)
This course introduces students to the fundamental concepts of discrete mathematics. The course provides a foundation for the development of many computer related concepts and more advanced mathematical concepts found in electrical engineering or computer science courses. Important applications in the computer science and engineering disciplines will be presented. Topics include: fundamentals (basic tools for discrete math); logic; methods of proof; graphs and sets; functions; relations and equivalences; recursive relations; polynomial sequences; induction; combinatorics; counting; and probability. (Prerequisite: MATH110 or MATH111 or MATH225)

MATH220 Linear Algebra (3 semester hours)
This course presents vectors, matrices, determinants, eigenvalues and eigenvectors; and how these concepts may be used and applied. The emphasis of the course will be on understanding the concepts and methods of linear algebra, as well as solving problems and understanding how linear algebra is used in real world applications. (Prerequisite: MATH200 AND MATH225)

MATH225 Calculus (3 semester hours)
This is the first course of a three part Calculus sequence to prepare students for advanced work in mathematical fields including, but not limited to the engineering, computer science and economics fields. It introduces the student to the basic concepts and techniques of differential calculus. Topics include a pre-Calculus review (functions, graphing), limits, derivatives, computations (Power rule, Product Rule, Quotient Rule and Chain Rule), special functions (trigonometric, exponential and logarithmic), implicit differentiation, applications of differentiation (approximations, optimization and related rates), and curve sketching. It is highly recommended that the student has taken MATH 200 Analytical Geometry or a similar course. (Prerequisite: MATH111)

MATH226 Calculus II (3 semester hours)
This is the second course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus I to the concepts and techniques of integral calculus. Topics include the basics of integration (anti-derivatives, substitution, and the Fundamental Theorem), applications of integration (motion, area), L'Hopital's Rule (indeterminate quotients, indeterminate forms), elementary function inverses (inverse functions, Calculus of inverses, trigonometry function inverses, Calculus of these inverses), techniques of integration (tables, powers of Sine and Cosine, other Trigonometric powers, by parts, trigonometric substitution, and numerical analysis), improper integrals, integral applications (average value, volumes by cross-sections, disk & washers, shells, arc lengths, and work). (Prerequisite: MATH225)

MATH227 Calculus III (3 semester hours)
This is the third course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus II to sequences and series (convergence tests, Taylor and MacLaurin Series, Power Series) , differential equations (separable, homogeneous, growth and decay), parametric and polar equations (including slope and area), and vector Calculus (dot product, cross product, equations of lines and planes, vector functions, derivatives, velocity and acceleration). Pre-requisite: MATH226.

MATH239 Data Analysis and Presentation (3 semester hours)
This applied course introduces students to a variety of techniques for organizing, analyzing and presenting large data sets. Topics to be covered include descriptive statistics with graphics and sample estimation. Emphasis is placed on real-world applications such as those found in the social and physical sciences. Students will become familiar with statistical software packages. (Prerequisite: MATH220)

MATH240 Differential Equations (3 semester hours)
MATH240 is introduction to differential equations. It is designed to introduce students to the basic concepts and techniques of differential equations. The course covers the standard materials addressed in the first semester of college differential equations to include: first and second order differential equations, Laplace transforms and differential equations with variable coefficients. Problems have been selected to illustrate the applications of these techniques across a wide range of areas of science, technology, and economics. It is essential for engineering, science, and economics. Increasingly, applications in business management and related fields also employ the calculus. Prerequisite: MATH226.

MATH302 Statistics (3 semester hours)
This is an interactive course designed to help students achieve a greater understanding of the statistical methods and models available to analyze and solve the wide variety of problems encountered in business, science, medicine, education, the social sciences, and other disciplines. Successful completion of this course will provide students with a working knowledge of the principles of both descriptive and inferential statistics, probability, averages and variations, normal probability distributions, sampling distributions, confidence intervals, statistical hypothesis tests, and correlation and regression analyses. The emphasis of the course will be on the proper use of statistical techniques and their application in real life -- not on mathematical proofs. This course will use Microsoft Excel for some of the work. Students should have a basic familiarity with Excel and have access to this software application. (Prerequisite: MATH110 OR MATH111 OR MATH225)

MATH305 Real Analysis (3 semester hours)
This course provides a theoretical foundation for single-variable calculus concepts and introduces higher level abstraction of these concepts. Topics include the structure of the real numbers, sequences, continuity, and metric spaces. This course will be run as a seminar that emphasizes mathematical constructs of real analysis and proof writing. Prerequisite: MATH227 AND MATH240 AND MATH320.

MATH320 Mathematical Modeling (3 semester hours)
This course introduces students to the fundamental concepts of math modeling. It integrates the student's previous experiences with mathematical concepts to provide a variety of practical methods to solve problems. The course covers mathematical concepts such as graphs, inequalities, slopes, linear regression, matrices, operations and applications of matrices, linear programming, sets,Venn diagrams, permutations, combinations, binomial theorem, and an introduction to logic.(Prerequisite: MATH220)

MATH325 Linear Regression I (3 semester hours)
Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this first course in linear regression students will be exposed to some of the fundamental tools of linear regression. The emphasis will be on using and interpreting linear models. In addition to analyzing given linear models, students will analyze data and create linear regression models as a means to assess and evaluate the extent to which individual or sets of predictor variables influence a particular response. Furthermore, students will use models to forecast outcomes associated with various response variables. Applications from a number of different areas will be examined. (Prerequisites: MATH220 and MATH302)

MATH328 Probability Theory with Applications (3 semester hours)
This course introduces students to the basic concepts and applications of probability theory. An understanding of probability theory is essential to statistics, which is the fundamental basis of how all research is done, from science to medicine to business, marketing, and governmental politics. Probability theory is also essential to such disciplines as mathematics, finance, artificial intelligence, and even legalized gambling (such as state lotteries). Examples of applications problems from these areas are included in the course, with a focus on understanding the concepts and methods of probability theory, as well as solving problems taken from real world applications.(Prerequisite: MATH226)

MATH330 Linear Optimization (3 semester hours)
This course examines various linear optimization concepts and problem solving techniques commonly found in manufacturing, transportation, and military operations. The goal of optimization is to find the best possible solution to a problem given a number of constraints. The emphasis of this course is problem solving. This course includes the construction and analysis of real world problems and the application of various linear optimization techniques to find an optimal solution. An optimization software package will also be presented and used to solve problems. This course covers a wide range of linear optimization techniques. Topics include linear programming; the simplex algorithm and goal programming; sensitivity analysis and duality; problems in transportation and transshipment; network models; and integer programming.(Prerequisite: MATH220)

MATH335 Non Parametric Statistics (3 semester hours)
This course is a non-Calculus treatment of non-parametric tests, probability, confidence intervals, estimation; topics include one- and two-sample problems, one- and two- way analysis of variance, multiple comparisons, and correlation. Students will become familiar with statistical software packages.(Prerequisite: MATH320)

MATH340 Multivariate Statistics (3 semester hours)
This course will introduce to students analysis of categorical data, log linear models for two- and higher-dimensional contingency tables, and logistic regression models. Also students will analyze aspects of multivariate analysis to include random vectors, random sampling, multivariate normal distribution, inferences about the mean vector and MANOVA. (Prerequisite: MATH328 AND MATH302)

MATH360 Mathematics History and Development (3 semester hours)
This course will introduce students to the historical development of the disciplines of mathematics. Within the discipline of mathematics we will examine the development of numbers and number systems, geometry and measurement, algebra, probability and statistics, calculus, and discrete mathematics. Throughout this course students will study the history of mathematics and mathematics education through readings, case studies, and problem sets. (Prerequisite: MATH320)

MATH375 Inventory Models and Systems (3 semester hours)
This course introduces students to the basic concepts and application of inventory management, its theory and practice. An understanding of the inventory management theory is essential to operations management, production planning and scheduling, and global supply and demand chain management. Inventory management is the heart of operations management in any industry. On upstream, it will dictate policies and procedures for procurement and material management. Its impact on downstream, especially in meeting the required service level, is a determinant factor in high service level which greatly impacts marketing and financial departments. In this course we introduce quantitative methods of optimal inventory management in the context of operations management, forecasting, BOM, MPS, and ERP.

MATH410 Design of Experiments (3 semester hours)
This course is delivered online and is organized into distinct parts. This course will begin with Design of Experiments (DOE) methodology and statistical inference. The design of single factor, factorial, nested and nested factorial experiments will be taught. Quantitative and qualitative factors will be introduced to simulate real situations that are encountered in operations being explored. Students will learn how to set up and solve fixed, random, and mixed models with two or more factors. Practical applications are provided throughout the course.(Prerequisite: MATH340)

MATH412 Graph Theory (3 semester hours)
This course studies set theory, counting techniques such as permutations, combinations, generating functions, partitions and recurrence relations, Polya's theorem, Hamiltonian and Euclidian properties of graphs, matchings, trees, coloring problems and planarity.(Prerequisite: MATH305)

MATH415 Operational Simulation (3 semester hours)
This course examines various mathematical concepts and problem solving techniques and introduces discrete system simulation, Monte Carlo methods, discrete event modeling techniques, programming considerations, statistical definitions and concepts, random number generation, and output analysis. This will be a problem solving course which will emphasize tools that can be used during the analysis phase of real world problems. (Prerequisites: MATH330 AND MATH375)

MATH418 Topology (3 semester hours)
Topics include definition of a topology, closed sets, relativizations, base and sub-bases of a topology, compact topological spaces, separation axioms, normal spaces, regular spaces, metric spaces, continuous mappings, product spaces, and function spaces.

MATH419 Set Theory (3 semester hours)
This course continues the studies of set theory from MATH 210, Discrete Mathematics. This course expands coverage of logic and induction, sets, functions, recursive definitions, counting techniques and the Inclusion-exclusion principle. (Prerequisite: MATH305)

MATH420 Game Theory and Decision Models (3 semester hours)
"A Beautiful Mind" is a movie that helped popularize game theory. It is a biographical film about the life of John Nash who is known for his work in game theory. "Game theory is the study of mathematical models of conflict and cooperation between intelligent and rational decision makers." This course examines game theories and their applications commonly found in economics, business, political science, and law and how to model games to make informed decisions. Topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling.(Prerequisites: MATH410 AND MATH415)

MATH431 Linear Regression II (3 semester hours)
Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this second linear regression course, students will focus on validating and creating linear models as a means to investigate the nature of the relationship between sets of predictor variables and a particular response variable. The emphasis will be on validating the utility and appropriateness of models used in a number of divergent application areas. Validation of regression model building assumptions will also be explored. Diagnostics and remedial measures, including transformations, will be examined. Specialized regression techniques will also be presented. (Prerequisite: MATH325)

MATH440 Stochastic Processes (3 semester hours)
The goal of this course is to teach students statistical and stochastic concepts, methods and models through examples, help students relate stochastic models to real life problems, and also encourage students to develop critical thinking skills that will allow them to realize greater success as mathematics major.(Prerequisite: MATH335 AND MATH410 AND MATH431)

MATH460 Principles of Applied Mathematics (3 semester hours)
The process of expressing scientific principles, experiments, and conjectures in mathematical terms. Topics include: gathering reliable data, exposing underlying assumptions, variables, relationships, levels, refining of models, and stochastic models. Deterministic versus stochastic models.

MATH470 Measurement Theory (3 semester hours)

This course covers the study of basic topics in analysis with emphasis on methods and measurement. Sequences, series, functions, uniform convergence, continuity, partial differentiation, extreme value problems with constraints, Riemann integrals, line integrals, improper integrals, integrals with parameters, transformations.(Prerequisite: MATH305)

MATH499 Senior Seminar in Mathematics (3 semester hours)

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Mathematics. The students will examine a number of real-world case studies; prepare an approved academic project or paper; and demonstrate mastery of their program of study in a meaningful culmination of their learning. Prerequisite: Completion of a minimum of 106 hours towards your program.

Military History (MILH)

MILH201 Introduction to Military History (3 semester hours)
This course is a survey of the changing patterns of warfare within Western civilization, to include analyses of principal military thinkers and the evolving relationship among Western societies, warfare, and their military institutions.

MILH202 Survey of American Military History (3 semester hours)
This course is a study of the American military institution from the colonial period to the current environment in the 21st century. Students will examine military traditions and employment of forces during war and peace as well as the relationships between the military and society. Recommended prerequisites are two lower level survey courses in U.S. or World History.

MILH221 War From Antiquity to 1700 (3 semester hours)
This course is a survey and discussion of warfighting during ancient times through to the beginning of the 17th century with emphasis on technological advances in the military arts and sciences and their short term and long term effects on strategy and tactics.

MILH222 War from 1700 to the Present (3 semester hours)
This course is a survey and discussion of warfighting from end of the 17th century until now, to include military arts and science as well as combined arms employment. Emphasizes the innovations and changes in strategy, tactics, organization and technology engendered by the decisions of the great captains of each age.

MILH303 Readings in Military Leadership (3 semester hours)
This course is a study of military leadership of ancient to present day commanders through selected readings. Emphasis will be on the burden of command and the various solutions that military leaders employed in the prosecution of war. Ancient and modern leadership will be examined, but the primary focus will be on the modern era. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH304 Readings in Military Philosophy (3 semester hours)
This course is a study of basic concepts in military strategy and tactics viewed through the prism of the selected readings from well-known military philosophers. Both ancient and modern philosophers will be studied. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH320 The American Revolution (3 semester hours)
This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH355 World War I (3 semester hours)
This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH360 World War II (3 semester hours)
This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material.(Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH362 Ancient Military History (3 semester hours)
This course is a comprehensive survey of ancient and classical warfare (prehistory to c. AD 500) in Western Civilization from the origins of warfare in the Paleolithic period to the decline and fall of the Western Roman Empire in the fifth century. The millennia under study in this course were a dynamic period in warfare, full of important discoveries and innovations in martial technologies, strategy, organization and combined-arms tactics, fortification, siege craft, and naval warfare. Students will read and analyze a wide variety of sources on ancient and classical warfare in Mesopotamia and the Near East (Sumerian, Akkadian, Babylonian, Hittite, Assyrian and Persian), Egypt (Old, Middle and New Kingdom), Greece (Mycenaean, Archaic, Hellenic and Hellenistic) and Rome (Republican and Imperial) in order to develop an appreciation of the important contributions of these civilizations to the continuity of warfighting in the Western world. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH363 17th and 18th Century Military History (3 semester hours)
This course covers the history of warfare from the Spanish Armada in 1588 to the dawn of the French Revolutionary wars in the 1790s. The 17th and 18th centuries were an era in world history abound in continuous warfare. The militaries of Europe in particular were still primarily composed of mercenaries, politically and often militarily unreliable. Warfare in this era was not confined to the plains of Europe; the world's oceans also played host to their own form of combat. The 17th and 18th centuries at sea began with Great Britain on the verge of invasion from the Spanish Armada to Great Britain becoming the unquestioned master of the ocean. Thus, the 17th and 18th centuries began in an aura of indecisiveness and closed awash in the destruction of "world" war. The evolution of warfare from the inconclusive to the decisive battle is explored in depth.(Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH364 Medieval Military History (3 semester hours)
This course is a comprehensive study of European post-classical warfare from the decline and fall of the Western Roman Empire in the fifth century to the integration of reliable gunpowder technologies at the beginning of the sixteenth century (c. 450 to c.1500 AD). Students will read and analyze a wide variety of sources on medieval warfare in order to develop an appreciation of the important contributions of the European Middle Ages to the continuity of warfighting in Western civilization. Contrary to popular belief, the millennium under study in this course was a dynamic period in warfare, full of important rediscoveries and innovations in fortification, siegecraft and combined-arms technology, organization and tactics, all of which allowed Europe to become the preeminent military power in the period after 1500 AD.(Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH365 The Napoleonic Wars and the Long Peace (3 semester hours)
This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH370 The Korean War (3 semester hours)
This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH371 The Vietnam War (3 semester hours)
This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society.(Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH411 Diplomacy and War I (3 semester hours)
This course is a comprehensive international study of the struggles between and among states, beginning with ancient times and ending with the Congress of Vienna, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH412 Diplomacy and War II (3 semester hours)
This course is a comprehensive international study of the struggles between and among states, beginning with the restructuring of Europe after the Congress of Vienna and ending with the fall of the Berlin Wall, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300 for History and Military History majors only).

MILH422 History of Peacekeeping: 1988-Present (3 semester hours)
This course examines the strategy, operations, evolution, and functions of United Nations and regional peacekeeping operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well.

MILH460 World War II (3 semester hours)
This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material.(Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH480 Special Topic: Military History (3 semester hours)
This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit.WINTER 2016 SPECIAL TOPIC - MEDAL OF HONORStudents will learn about the story behind the Medal of Honor and the significance of the design of the Medal. Students will also learn how Confederates were honored with a Roll of Honor. They will learn that the Medal of Honor Legion was founded in 1890 to protect the Medal from abuse. They will learn that 911 Medals of Honor were revoked in 1917 after all the Medals to date were reviewed, including those of the only woman and the 27th Maine, and will learn if any of these Medals were restored later. They will also learn about modern Medal of Honor recipients.

MILH490 Independent Study: History (3 semester hours)
An opportunity for Military History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to Military History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH498 Senior Seminar in Military History (3 semester hours)
The Senior Seminar in Military History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in military history. After a review of the student's academic experience, the student and professor will design a course of study to complete the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other Military History courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: HIST491)

Military Studies (MILS)

Nursing (NURS)

NURS150 Military Nursing Fundamentals and Care of the Childbearing Family and Children (6 semester hours)
This course prepares the Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on childbearing families and children. The nursing process and critical thinking guide the provision of patient-centered care. Principles of effective verbal and written communication with patients, families, and other members of the health care team are stressed. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS151 Military Nursing Fundamentals and Care of the Adult (6 semester hours)
This course prepares the Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on adults. The nursing process and critical thinking guide the provision of patient-centered care. Principles of effective verbal and written communication with patients, families, and other members of the health care team are stressed. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS152 Military Nursing Fundamentals and Care of the Adult and Childbearing Family (6 semester hours)
This course prepares the Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on adults and childbearing families. The nursing process and critical thinking guide the provision of patient-centered care. Principles of effective verbal and written communication with patients, families, and other members of the health care team are stressed. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care.THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS153 Paramedic Nursing Fundamentals and Care of the Adult & the Childbearing Family (6 semester hours)
This course prepares the Paramedic to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on adults and childbearing families. The nursing process and critical thinking guide the provision of patient-centered care. Promote advocacy through effective verbal and written communication with patients, families, and other members of the health care team. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS154 Paramedic Nursing Fundamentals & Care of the Adult (6 semester hours)
This course prepares the Paramedic to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on adults. The nursing process and critical thinking guide the provision of patient-centered care. Promote advocacy through effective verbal and written communication with patients, families, and other members of the health care team. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS155 Paramedic Nursing Fundamentals & Care of the Child Bearing Family and Children (6 semester hours)
This course prepares the Paramedic to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with emphasis on childbearing families and children. The nursing process and critical thinking guide the provision of patient-centered care. Promote advocacy through verbal and written communication with patients, families, and other members of the health care team. Emphasis is placed on evidence-based principles and concepts in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS156 Military Nursing Fundamentals & Adult Nursing & Mental Health Nursing (6 semester hours)
This course prepares the Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. A focus on the transition from a service member health care role to a provider of holistic care as a member of the interdisciplinary team promotes assimilation to the role of the registered nurse. The role of the nurse in the delivery of safe and effective care to individuals across the lifespan is addressed with emphasis on adult and mental health nursing. The nursing process and critical thinking guide the provision of patient-centered care. Principles of effective verbal and written communication with patients, families, and other members of the health care team are emphasized. A focus on evidence-based principles and concepts guides the delivery of optimal healthcare. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS157 Fundamentals and Adult Nursing Transition Course (6 semester hours)
This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS158 Fundamentals, Adult, and Child and Family Nursing Transition Course (6 semester hours)
This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults and children and families. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS159 Fundamentals, Adult, and Childbearing Family Nursing Transition Course (6 semester hours)
This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults and childbearing families. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS160 Fundamentals, Adult, and Mental Health Nursing Transition Course (6 semester hours)
This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults and mental health nursing. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS161 Fundamentals and Adult Nursing Transition Course (6 semester hours)
This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

NURS300 Professional Transitions in Nursing (3 semester hours)
THIS COURSE IS ONLY OPEN TO STUDENTS ADMITTED AND ENROLLED IN THE RN to BACHELOR OF SCIENCE NURSING PROGRAM. In this course students examine the role of the baccalaureate-prepared Registered Nurse as a leader and change agent in diverse practice settings. They analyze the impact and effectiveness of informatics, cultures of safety, levels of professionalism, and ethics in their health care-settings. Students perform a self-assessment of professionalism, identify areas for growth and write a Professional Development Plan which is reviewed and utilized throughout their course of study. Principles of critical thinking and scholarly writing are applied throughout the course.

NURS310 Assessment, Evaluation and Clinical Decision-Making (3 semester hours)
This course explores assessment of the individual and families across the lifespan with a focus on culturally diverse, vulnerable populations. The concepts of genetics, health maintenance/health promotion, and cultural competence will guide the student to develop plans of care focused on clinical prevention. Students will cultivate professional assessment skills by completing a health interview, a health risk assessment and a discharge teaching plan. All evidence-based plans of care reflect an understanding of the relationship between assessed risk factors and genetic predisposition toward illness with the goal of achieving quality patient outcomes. (Prerequisite: NURS300)

NURS325 Integrated Pathophysiology and Clinical Pharmacology (4 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course explores the connections between pharmacological interventions and pathophysiology across the life span. The study of genetics/genomics, culture, and integrative health provides a theoretical context for the delivery of patient-centered care. An understanding of the dynamic relationship between comorbidities and medication interactions facilitates the development of an individual plan of care. An analysis of human responses to pharmacological interventions will be explored through case studies, evidence-based research, and group projects. (Prerequisite: NURS300)

NURS340 Science of Evidence-Based Practice (3 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course reviews evidence-based practice, the history of this movement, and the challenges to implementation in the practice setting. Students will further develop their skills with efficiently finding, reading, and comprehending published research and determine applicability to clinical practice. Students continue to explore means to assess, monitor, and develop cultures of safety in their own organizations and will become familiar with several national safety initiatives. (Prerequisites: NURS300 and MATH120)

NURS350 Transformational Leadership and Cultures of Safety (3 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. It includes a 20 hour practice experience in leadership with a nurse leader in a care setting. This course builds on assessments related to professionalism, culture of safety, nursing ethics and effective use of healthcare technology completed in previous courses with an emphasis on leading change in complex organizational healthcare systems. Students integrate and apply this knowledge to improve quality and build cultures of safety in their workplaces. It is recommended that students select a nurse leader for this assignment prior to the course start. (Prerequisite: NURS300)

NURS400 Emerging Scholarship and Trends in Healthcare (3 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students explore the rapid evolution of current nursing practice and examine historical and contemporary issues germane to their practice. Students examine changes in technology and its impact on access, cost, quality, and knowledge development. Global health and nursing workforce issues are evaluated and discussed.

NURS401 Caring for Today's Veterans (3 semester hours)
This course addresses the unique healthcare issues facing today's veterans. Emphasis is on physical and psychosocial needs of veterans and the delivery of patient/family centered care. Post-traumatic stress disorder, traumatic brain injury, and other health issues of veterans will be explored through evidence-based literature and research. Students will examine the veteran culture, identify health risks, analyze health issues and trends in healthcare systems, and explore best practices.

NURS421 Community Health I (3 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. The course will begin with the history and theory of community health nursing and the influences of political and financial decisions. The course will provide an opportunity to investigate social, environmental, and economic issues and available community resources. Clinical experiences will allow for community assessment and planning for health education for vulnerable populations. This course includes a clinical project, which will be completed in NURS422. Students must arrange for a BSN-prepared project mentor prior to the start of this course. Formal mentor agreements will be signed during the first week of the course. (Prerequisite: NURS300)

NURS422 Community Health II (3 semester hours)
This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. In this course the student will focus on the community as client with an emphasis on specific vulnerable populations and related topics such as; substance abuse, mental illness, domestic violence, women and men’s issues and environmental health. The student will gain knowledge of under-served populations as well as how communities are affected by culture diversity and natural and man-made disasters. Clinical experiences will allow for the implementation of a teaching project for a designated vulnerable population. The student will complete the clinical teaching project that began in NURS421. Students must arrange for a BSN-prepared project mentor prior to the start of this course. Formal mentor agreements will be signed during the first week of the course. If at all possible, the student should have the same mentor for 421 and 422. (Prerequisite: NURS421)

NURS498 Senior Seminar in Nursing Studies (3 semester hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course is organized around individual student research papers and project development and serves as a capstone and culminating experience where students integrate knowledge and apply professional skills to improve the quality of health in the workplace. Students prepare formal written and poster presentations of the project. A final evaluation of progress toward meeting goals is completed. (Prerequisite: 106 hours completed toward your program and completion of all General Education, Core and Major requirements prior to enrollment.)NOTE: Students must earn a grade of B or higher to pass this course.

Philosophy (PHIL)

PHIL101 Introduction to Philosophy (3 semester hours)
This course is intended to equip the student with a baseline understanding of issues and concepts that compose the Western philosophic enterprise, and to serve as a point of departure for their further studies in Philosophy.

PHIL110 Critical Thinking (3 semester hours)
Critical Thinking introduces skills, concepts, models, and techniques for reading, writing, and thinking critically. Critical thinking is a necessary process for identifying and solving problems in academia and the workplace, as well as interpreting information in the media. Through the use of critical and logical thought processes, students will develop practical, analytical skills that prepare them for the investigative nature of being life-long learners.

PHIL200 Introduction to Ethics (3 semester hours)
This course will examine the field of ethics and provide the tools for ethical decision-making. Students will analyze texts for meaning, apply theories learned to various areas of moral concern, such as war, euthanasia, divorce, and poverty. The course will also provide an overview of how philosophers have thought about moral problems and some of the solutions they have proposed. Students will develop the ability to think about moral problems in a clear and logically consistent manner.

PHIL202 Philosophy of Science (3 semester hours)
Philosophy of Science will introduce students to the origins and development of modern science and how that is distinguished from pseudo-science; the importance of deduction and induction and their separate methodologies; the process of the scientific method; scientific change and scientific revolutions, particularly that of Thomas Kuhn; and selected philosophical problems in the basic sciences, such as absolute space, biological classification, the modular mind, and recent discoveries of neuroscience.

PHIL300 Logic (3 semester hours)
This course is an examination of the historical and contemporary concepts and techniques used in logic and emphasizes modern and classical treatments of topics such as quantification and rules of inference. The course will cover the principles of induction, informal fallacies, and uses of logic in everyday life. (Prerequisite: PHIL101). NOTE: THIS COURSE UTILIZES SOFTWARE THAT CAN ONLY BE RUN ON WINDOWS OR MAC SYSTEMS.

PHIL302 Ancient Western Philosophy (3 semester hours)
This course examines themes in the thought of Plato, Aristotle, and the Stoic, Epicurean, and neo-Platonist philosophers of the ancient world. It enables the student to enter the "great conversation" of western civilization as well as debate the fundamental questions that surround science, religion, self-awareness, ethics, and politics. (Prerequisite: PHIL101).

PHIL303 Medieval Philosophy (3 semester hours)
This course considers the synthesis of Christianity with classical pagan philosophy achieved by St. Augustine and St. Thomas Aquinas. What became of the ancients' ideal of human knowledge in an age when philosophy became the "handmaid of theology"? What were the underpinnings of the "natural law" conception of moral and political philosophy? How did this medieval synthesis break down, on the scientific side with Galileo's challenge to Aristotelian physics and astronomy, and on the moral and political side with Machiavelli's portrayal of a Renaissance prince? (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course. (Prerequisite: PHIL101).

PHIL320 Environmental Ethics (3 semester hours)
This course is a study of environmental issues from a moral and philosophical approach. Issues raised in the course include the moral obligation, or lack thereof, to preserve and protect the environment, the ethical presumptions that underlie environmental policy, the traditional theories of moral philosophy applicable to contemporary environmental problems, and the potential for a new conception of the relationship between humanity and nature.

PHIL400 Contemporary Issues in Philosophy (3 semester hours)
This course is an examination of specific topics in philosophy that are of central interest and interdisciplinary in nature. Topics are selected with reference to the areas of technology, aesthetics, philosophy of religion, as well as ethics, social, and political philosophy. Topics include but are not limited to homosexuality, abortion, drugs, civil disobedience, capital punishment, and the rights of the individual versus the rights of society. (Pre-requisite: PHIL101).

PHIL410 God and World (3 semester hours)

What is it that we name, what is it that we mean, when we say God? Although we may speak of God as if we are naming some entity or being whose identity we hold in common understanding, as we will see, God is a name used to express a range of concepts and experiences that have varying and often conflicting features. In this class we will examine some of these concepts and descriptions of experiences of the divine. Ultimately, however, this is not a study of God but of man and his attempt to understand his relation within and between God and the world.

PHIL415 Enlightenment Philosophy (3 semester hours)

This course follows the development of the European philosophical tradition through the age of religious upheaval, secular enlightenment, and scientific and democratic revolutions. The key themes addressed in the course include the social contract theory, toleration, freedom of thought, and the enlightenment ideal. (Pre-requisite: PHIL101).

PHIL416 Modern & Post-Modern Philosophy (3 semester hours)

This course is the contemporary discussion of philosophic thought. It addresses the leading thinkers and theories of the past two centuries and includes but is not limited to Hegel, Marx, Nietzsche, Sartre, and Arendt. (Pre-requisite: PHIL101).

Philosophy and Religion (PHRL)

PHRL498 Religion and Philosophy Capstone (3 semester hours)
This capstone course is an intensive study of major figure(s) and or movement(s) in philosophic thought, and/or contemporary issues and beliefs in religion and events of particular historical importance to the discipline. Students will integrate knowledge acquired in previous courses into critical analyses of movements, theories and principles that have influenced historical and contemporary thought in philosophy, and the integration of a critical analysis of selected sacred scriptures, collection and review of religious adherents' expressions and experiences, and a synthesis of all research into a final written project. This is a capstone course to be taken after all other Philosophy and Religion courses have been satisfactorily completed.

Political Science (POLS)

POLS210 American Government I (3 semester hours)
This is the first course in a two-course sequence in American Government. The course is designed to convey basic facts about the structure and functioning of the American political system. The philosophical foundation of the U.S. Constitution is explored and the federalist construct is examined. The functions of the three separate branches of government and their roles in policy making are a major focus.

POLS211 American Government II (3 semester hours)
This is the second course in a two-course sequence in American Government. The course is designed to provide research tools and writing skills that will build on the academic knowledge acquired in POLS210. The student will investigate issues in American government in greater detail through use of Internet-based research, seminar discussions, and point papers. (Prerequisite: POLS210).

POLS213 Political Theory (3 semester hours)
This course offers an overview of Western political thought from the Ancient Greeks to contemporary political theorists. It follows the rise of secularism and modernity through an Enlightenment tradition of social contract theory, shaping debates on human nature, equality, liberty, rights, and justice as the basis for civil society and democratic governance. This course is an essential foundation for the political science major.

POLS301 Ethics in Politics (3 semester hours)
This course focuses on providing students a study of ethics as it relates to government. Students will be presented with readings, case studies, and insightful information that will provide them the opportunity to analyze topics that will enable student discussions pertaining to ethical dilemmas in politics.

POLS311 Political Parties and Interest Groups (3 semester hours)
This course is a study of the various roles of political parties and interest groups in the American democratic process. Issues covered include the ideological differences among parties, the role of third party candidates, mobilization of voting blocks, the formation and types of interest groups, and political agenda development.

POLS312 State, Local, and Community Politics (3 semester hours)
Comparative analysis of state and local political systems in the United States. Emphasis is placed on the contemporary role of states and localities in the development and implementation of public policies. Additionally, there is an examination of the role of grass roots social movements in shaping local politics.

POLS314 Diversity Studies in Politics (3 semester hours)
This course examines the concept of diversity in politics in the United States and the impact of a multicultural system on political governance and social relationships. By exploring and analyzing the components of the Diversity umbrella, to include culture, class, gender, and ethnicity, students will develop an understanding of the impact of a multicultural society on the politics in America. Through structured discussions, selected readings, written assignments, and a final examination, students expand on theoretical arguments concerning current issues pertaining to diversity in politics.

POLS401 The Psychology of American Politics (3 semester hours)
This course is an overview of the psychological study of American politics. Various topics and issues are covered throughout the course to include the personality, leadership style and decision making of presidents, voter choices and preferences, the influence of the media and political attitudes of different groups.

POLS410 Public Policy (3 semester hours)
Analyzes the formulation and execution of public policy in America. Includes study of decision-making theory, bureaucratic politics and other models that seek to explain how policy is made. Issues explored include social, environmental, economic, homeland security, defense, and foreign policy. Additional issue areas may be covered depending on contemporary significance.

POLS497 Senior Seminar in Political Science (3 semester hours)
Analyses of specific issues addressed at the national level that would include a review of American political institutions and decision-making; policymaking in the economic, social, and security arenas; instruments of foreign and defense policy; federalism and democratic political theories; and the electoral process. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study.Prerequisite: Completion of a minimum of 106 hours towards your program.

Psychology (PSYC)

PSYC101 Introduction to Psychology (3 semester hours)
The course introduces students to the art and science of Psychology. Course emphasis is on applying the "science of human behavior" to a variety of settings: vocational, personal, academic, and clinical. Course content introduces the history of psychology, major theories of personality and learning, current research and developmental issues. The course has a holistic approach and integrates the biological basis of behavior, social factors, learning and the unique coping styles of the individual to understand human behavior.

PSYC102 Professional Careers and Education in Psychology (3 semester hours)
This course provides an overview of psychology as a profession and academic discipline. It focuses on the broad discipline of psychology and its subspecialty areas within the discipline, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting psychologists and professionals in related occupations.

PSYC201 Introduction to Social Psychology (3 semester hours)
This course introduces students to historical and contemporary theories of social psychology, key theorists' contributions to the field of and practical applications of theoretical concepts in the real world of the individual functioning in group settings. The focus of study includes social judgments and decisions, attitudes and perception, social influence, attraction, aggression, altruism and group pressure and their influences on human behavior, cognition and emotion, along with exposure to the methods of social scientists who study group influence on human behavior in the field.

PSYC221 Personality Theories (3 semester hours)
This course provides a broad overview of theories of personality. Course content includes psychodynamic, behavioral, cognitive, and humanistic perspectives, and examines contributions of major theorists from each school, key theoretical points from each perspective, critiques of the value (and the limitations) of each theory.

PSYC300 Research Methods in Psychology (3 semester hours)
This course focuses on laboratory and field research methods applied in the study of human behavior. Course content emphasizes the development of sound methods of hypothesis testing, data interpretation and formal research report writing, the review of empirical, peer-reviewed literature, the critique and interpretation of applied research and the ethical responsibilities and codes of conduct related to psychological research.

PSYC303 Learning and Cognition (3 semester hours)
This course examines basic learning processes within the context of classical, instrumental, and operant learning situations. Course content focuses on classical conditioning, instrumental learning, principles of reinforcement, punishment and avoidance conditioning, stimulus generalization and discrimination, retention and forgetting, nature and functioning of memory, and learning and performance of motor skills.

PSYC304 Perception (3 semester hours)
This course provides an introduction to the study of how humans organize and interpret stimulation arising from their environments. Course content includes a review of theory, methodology, and research findings. Illustrative case studies will be explored, particularly with regard to disorders of perception.

PSYC305 History and Systems of Psychology (3 semester hours)
This course examines the major antecedents of modern psychological theories and methodology. Course content focuses on the history of psychology as a field of scientific inquiry, including an overview of development of schools of thought, prominent figures, and key theories. (Prerequisite: PSYC101).

PSYC324 Psychology of Addiction & Substance Abuse (3 semester hours)
This course focuses on the role of drugs in society, licit and illicit substances, the use and abuse of medical drugs, and the state of the field in terms of prevention and treatment for substance abuse and dependence.

PSYC325 Biopsychology (3 semester hours)
This course surveys anatomical structures and functioning as the biological bases for human functioning and psychological states. Topics investigated include sensory processing, movement, emotional expression, sleep, learning, memory, language, reproduction and psychopathology. Prerequisite: CHFD342.

PSYC343 Adult Development (3 semester hours)
This course is an in-depth study of the developmental processes from the transition to adulthood through old age. Course content examines the ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture are highlighted, and particular emphasis is placed on understanding the influence of context on adult development.

PSYC360 Psychology of Terrorism (3 semester hours)
This course is an introduction to historic and contemporary terrorist groups and their motives and strategies. The psychological and social impact on individuals, communities and global societies of the achievement of terrorist goals as well as recruitment methods, the influence terrorist groups exert on their members and factors influencing the establishment and dissolution of terrorist groups will be examined.

PSYC406 Psychopathology (3 semester hours)
This course surveys syndromes of psychopathology, by reviewing etiology, symptomatology, and treatment. Psychological, neurobiological, and genetic approaches to understanding mental disorders are considered. Topics also include depression, anxiety, schizophrenia, personality disorders, memory disorders, and childhood disorders. Prerequisite: PSYC101.

PSYC431 Psychology of Disaster (3 semester hours)
This course focuses on the psychological and physiological human response to natural and man-made disasters. Using clinical research and case histories, students will examine normal and abnormal psychological reactions, the recovery process and principles of mental health care for victims of mass disasters. Differences between natural and man-made disasters are examined and factors that mitigate post-traumatic effects are reviewed. Psychological aspects of Weapons of Mass Destruction (WMD) disasters are also considered.

PSYC432 Psychology of Combat (3 semester hours)
This course is a study of acute and chronic behavioral response to battle. Students will review, analyze, and evaluate the range of psychological responses to combat, from "normal" reactions to variations of "Combat Stress Reaction." Case studies from combat action will provide material for application and synthesis of the concepts presented in the course. Topics include the U.S. military approach to psychiatric management of combat, POW experiences, mental adaptation for future warfare, and stress associated with other forms of conflict, such as peacekeeping.

PSYC460 Sports Psychology (3 semester hours)
Students will examine human behavior in a sport and exercise setting. They will understand that enhancing individual performance is a primary objective of sport psychology. Students will learn how to create a psychological skills training program, which incorporates theories of anxiety reduction, imagery training, and self-efficacy. Current theoretical perspectives of personality factors in exercise and sport, why people exercise, what motivates an individual, exercise/sport adherence, stress, anxiety, and arousal, and the psychological effects of exercise and sport will be investigated. Students will learn the key features of effective goal-setting, and apply this understanding to their own professional development.

PSYC490 Independent Study: Psychology (3 semester hours)
This Independent Study course provides an opportunity for undergraduate Psychology students to examine in depth, and with individualized guidance from a professor, a specific area within the discipline of psychology. The course is open to upper division Psychology majors only. Independent Study course sections are 8-weeks long and run during the University's regular monthly course offering cycles. Completing of this course off cycle or for less than 3 credits is not permitted. No exams are included in the course. Course completion will involve weekly in-classroom engagement with the Independent Study professor, to be accomplished via asynchronous discussion board engagements, assignment grading feedback and email, and the multi-phased completion of an in-depth peer-reviewed literature review paper with a required minimum length of 20 main body pages and formatted per the editorial requirements of the American Psychological Association (APA), along with the completion of any other supporting assignments to be determined by the professor. Independent Study involves advanced-level student work held to rigorous standards and it should not be attempted merely as a means of earning 3 credits needed to finish up a degree. To be eligible to register for the course, a student must be actively enrolled in the undergraduate Psychology degree program and must have completed 24 hours at APUS toward the degree. Prior to attempting PSYC490 registration, the student must first have identified an Independent Study topic focus of interest, and must have discussed the proposed topic with and obtained a memo of commitment from a professor agreeing to teach the course. The student also must have subsequently obtained approval from the Psychology Program Director prior to any registration attempt. Ample time for meeting these responsibilities must be allowed and attempts to do so should not be made during the final week before the registration period for the target course session closes, as each required step in the process necessitates consultation and review turnaround time. A month of lead time is strongly recommended. Following completion of these responsibilities, the student will be notified that a section of PSYC490 Independent Study has been opened for individual registration. The student must then complete official online registration for the course prior to the ending of the regular course registration period (late registration for this course is not permitted), enter the classroom during Week 1 to connect with his/her professor, review the course syllabus and all other classroom materials, and subsequently complete each week of the course as required by the professor. Pre-requisite: PSYC101 Introduction to Psychology. Available to upper division APUS Psychology majors only. Must have completed 24 hours at APUS toward current degree program. (Prerequisite: PSYC101).

PSYC498 Senior Seminar in Psychology (3 semester hours)

Senior Seminar in Psychology is the capstone course of the BA in Psychology degree. Students completing this course will investigate career opportunities in the field and professional organizations supporting practitioners in field specialty areas, build knowledge and skills needed for next steps following degree completion for undergraduates applying to graduate school or seeking post-baccalaureate employment, demonstrate an ability to locate and synthesize scholarly published material, and interview a professional in the field. Prerequisite: Completion of a minimum of 106 hours towards your program.

Public Health (PBHE)

PBHE111 Introduction to Health Care Administration (3 semester hours)
This course presents information and insight that identifies the challenging and overarching issues surrounding Heath Care Administration. It carefully examines the broad functions, operations and tools of the field and emphasizes the need for excellence in the management of health services. This course will assist students as they prepare for health services management careers and provides an ongoing program of professional development for those already employed in health professions. The course is divided into three parts: Managing in Health Services Environments, Managerial Tools and Techniques, and Managing Relationships.

PBHE112 Health Services Organization (3 semester hours)
This course examines Health Service Administration, primarily The Structuring Policies of Federal, State, and Local Organizations. PBHE112 reveals the framework of the United States Healthcare System; the organization and administration of health services; the roles of international, federal, state, and local health organizations; and the barriers to health services delivery.

PBHE209 Wellness: Health Promotion and Disease Prevention (3 semester hours)
This course introduces students to the wellness concept, which builds the foundation for health literacy and an appreciation for life-long health and physical fitness. The components of wellness will be studied in this class, including physical, intellectual, emotional, social, spiritual, environmental, and occupational, with the goal of promoting and advocating for self-responsibility, health literacy, and a life-long commitment to wellness.

PBHE211 Public Health in America (3 semester hours)
This course discusses the important role that public health plays in the United States. Students will examine how behavioral, epidemiological, environmental and social factors influence the public's health, and how public health professionals develop appropriate intervention strategies to improve the nation's health. Students will also explore future challenges facing public health professionals in the 21st century.

PBHE215 Healthcare: Moral Issues (3 semester hours)
This course is an examination of moral issues and dilemmas within the health care profession based on associated ethical theories and principles. The course puts special emphasis on patient's rights, social justice of health care, and evolving health care technologies.

PBHE315 Health Economics and Finance (3 semester hours)
This course is designed to provide the student with tools used to express the financial and economic components of the health care industry. The student will develop a vocabulary in addition to gaining knowledge in the use of graphs, charts, tables and reports. The student will utilize these tools to assess past and present analysis as well as projecting future developments.

PBHE361 Moral Issues in Health Care (3 semester hours)
This course is an examination of moral issues and dilemmas within the health care profession based on associated ethical theories and principles. The course puts special emphasis on patient's rights, social justice of health care, and evolving health care technologies.

PBHE413 Special Operations in Emergency Medical Services (3 semester hours)
This course deals with the specialized issues associated with emergency medical services—those issues that are not commonplace or part of everyday procedure. Topics include emergency medical services in mass casualty, biological, chemical and radiological incidents. The course also covers unique topics in emergency medical services, to include the employment of services in complex contingencies, such as those faced when fire, police, terrorist, and other emergencies co-exist with the need to provide medical services on-scene and post-disaster.

PBHE426 Quarantine (3 semester hours)
This course is a study of the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Students will learn quarantine strategy, implementation, effectiveness, and debate. The course topics will include the consideration of quarantine as a health and safety measure in modern homeland security strategy.

PBHE427 Epidemiology (3 semester hours)
This course provides an introduction to epidemiologic concepts and approaches to population problems in public health. It covers a wide spectrum of topics, to include outbreak investigation, test properties, and study design. The course will provide understanding of disease and disease transmission, rates and proportions associated with different forms of outbreak, and epidemiological risk management methods and measures.

PBHE498 Senior Seminar in Public Health (3 semester hours)

This senior capstone course allows students majoring in public health to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Public Health courses have been satisfactorily completed. Prerequisite: Completion of a minimum of 106 hours towards your program.

Religion (RELS)

RELS101 Introduction to the Study of Religion (3 semester hours)
This introductory course explores the basic nature of religion, both historical and contemporary, and familiarizes the student with a multidisciplinary approach to religious study. Students examine the importance of religious thought and expression, from the viewpoints of both a participant and a critic.

RELS201 Introduction to World Religions (3 semester hours)
This course introduces the major religions of the world with attention to origin, history, beliefs and practices. The course provides a balanced consideration of both Eastern and Western religions. No force has influenced human life and civilization more than religion; no understanding of human affairs, on an individual scale or a global one, can succeed without comprehending it.

RELS202 Religion in America (3 semester hours)
This course examines the variety of ways in which religion is found in contemporary American experience. Course content focuses on the changes within traditional historical religions as well as new religious groups which have evolved within American society.

RELS211 Introduction to the Old Testament (3 semester hours)
This course acquaints students with the content and major themes of the Old Testament and familiarizes them with important contemporary scholarship which helps to illuminate the biblical documents. Course content explores the socio-political and religious forces that shape the thirty nine books of the Old Testament and examines the enduring significance of their diverse messages.

RELS212 Introduction to the New Testament (3 semester hours)
This course provides a detailed exploration of the historical and religious context, literary styles and theological themes of each of the twenty-seven books of the New Testament, and offers an overview of current New Testament studies.

RELS311 Introduction to the Bible (3 semester hours)
This course explores the languages, canonization, organization and translation of the Bible. The genres of narrative, poetry, wisdom, law, prophecy, gospels, parables, letters, and apocalypse are analyzed in order to thoughtfully read the Bible without the aid of other reference works. This course is foundational to further Biblical study.

RELS330 Religions of the Middle East (3 semester hours)
This course is a study of the three primary religions whose origins were in and which are still practiced in the Middle East: Judaism, Christianity, and Islam. For each religion, topics include history, culture, beliefs, scriptures and practices. Variations within the religions will be studied in context of their expression in the Middle East. In addition, the relationship of the three in the present day context will be studied, as well the influence of the religions on political and social situations.

RELS350 Hinduism (3 semester hours)
This course introduces students to Hindu religious life with the primary focus being on the examination of some key concepts (such as dharma, samsara, atman, maya, moksha, artha, monism, and pantheism), along with an attempt to have a firm grasp of the meaning of religious ideas, symbols, and practices, as related to the participants. Course topics include the disciplines (yogas) of devotion (bhakti), action (karma), knowledge (jnana), ethics, and the major schools of thought.

RELS351 Buddhism (3 semester hours)
This course is a study of Buddhism's major historical movements and cultural expressions. Students examine the origin and development of the teachings, rituals and institutions of the Buddhist tradition in South Asia since the beginning of the common era to the present day. Course topics include the life and times of Siddhartha Gautama (“the Buddha”); implantation in East Asian societies of the various forms of Buddhism that developed in South Asia; development of new Buddhist “schools” in East Asia; relationships between Buddhism and the other religious traditions in East Asia; relationships between Buddhism and the State; early Buddhist community; popular Buddhist piety and social movements; development of the three main branches of the Buddhist tradition, and the role of women in Buddhism.

RELS352 Muhammad (3 semester hours)
The course examines the life and experience of Muhammad, the Spokesman of Allah, the Prophet of Allah, the Messenger of Allah, and Prophet of Islam. Course content includes the context of his role in a world religion and world politics and addresses the way Muhammad served as the ideal model forMuslim life, particularly in terms of being the Final Messenger, the Last Prophet.

RELS353 Islam (3 semester hours)
This course is an introduction to Islam - and its associated civilization - through readings, case studies, projects, and interaction within the classroom. Course content will examine the people and nations that practice this fascinating religion.

RELS405 Myth and Ritual (3 semester hours)
This course is a study of the role of myth and ritual in historical terms as well as modern myth and ritual developments. Students explore the influence of pervasive myths and rituals in society as they are infused throughout people and religious thought. Students will examine the continued influences of classical, religious and new myths in American popular culture and society today.

RELS411 Religious Existentialism (3 semester hours)
This course is a study of the set of philosophical ideals that emphasizes the existence of the human being, the lack of meaning and purpose in life, and the solitude of human existence. The course will cover the existentialist philosophy and its leading historical proponents.

RELS422 The Teachings of Jesus (3 semester hours)
Jesus Christ has impacted the world unlike any other person in history. Profound and multifaceted, Jesus' life and teachings are explored through the careful study of the history, culture, miracles and teachings presented in the four ancient Gospel accounts of Matthew, Mark, Luke and John.

RELS452 Religious Cults (3 semester hours)
This course examines religious cults that span specific times and religions. Its focus is on the causes of cult formulation, cult leadership, cultpurpose, and cult interactions with the outside world. Course content also explores what is meant by the terms "cult," "new religious movement," and "alternative religion," using historical and contemporary examples to illustrate these ideas.

Retail Management (MGMT)

MGMT102 Retail Ethics (3 semester hours)
This course is a study of the moral and ethical responsibilities of retail managers in the conduct of daily activity to include ethical challenges, regulations and behaviors while demonstrating how unethical situations can create legal risks and damage to businesses, employees and the consumer. The morality of profit-making, fair and equal treatment of employees, and the responsibility of the business firm to the society in which it exists are reviewed and discussed. Equally stressed will be the idea of the individual's responsibility within the organization. Students will receive an introduction to ethics principles in a Retail environment including the latest concepts and practices. Students will discuss issues of small and large companies, e-business, and other important issues to managers in the 21st century. Students will understanding key organizational ethical issues, maintain a functional focus and review current practices in the private, public, and military sectors.

MGMT338 Talent Management, Succession Planning and Generation Perspectives (3 semester hours)
Everyone is writing about the impending Baby Boom retirement and the issues associated with the lack of talent in the workforce. Through the study of talent identification, development and retention this course will begin to embrace a human capital strategy for the 21st century through lens of leadership development and succession planning.(Prerequisites: MGMT331 or MGMT332)

Retail Management (RTMG)

RTMG150 Retail Organization Fundamentals (3 semester hours)
Students will define the basics of retail management functions, principles and techniques found in today's marketplace. Students will also explore ideal characteristics and responsibilities of an effective department or store manager ranging from legal and safety scenarios to understanding the role and importance of logistics to various retail establishments. Embedded in this study of retail organization fundamentals is a focus on the individual, as a contributor, their roles and responsibilities in the retail environment. While, the organizational structure of a retail store may vary by the size and type of the business, most tasks involved with operating a retail business are similar. Some exceptions that are studied include the reality that small or independent retail stores may combine many sectors together under one division, while larger stores create various divisions for each particular function along with many layers of management. A small specialty shop may have all of its employees under one category called Store Operations. A large department store may have a robust staff consisting of a manager, assistant manager and sales associates for its Sporting Goods department, Home and Garden, Bed and Bath, and each additional department. Students will have the opportunity to explore these variations.

RTMG200 Customer Relations (3 semester hours)
Students will receive an introduction to customer relations principles including the concepts and practices for delighting customers in ways that lead to effective customer satisfaction. Students will be introduced to the basics of customer relations functions, describe ideal characteristics of good customer relations, and apply them to individuals in both small and large retail organizations. Customer relations is the front line interface between an organization and its constituents. How customers are greeted and treated can influence decisions to do business with a particular retail enterprise. Effective customer relations strategies include effective listening, oral and written communication, analytical and problem solving skills and teamwork based on the organization's commitment to meet customer needs while making customers feel welcome and valued. Customer service in this class is focused on applications and recognition of professional skills and culture required in a retail environment to provide outstanding customer service. Also included will be a discussion of impact that poor customer relations can have on company reputation, retail success and sustainability of customer loyalty. Methods and approaches to addressing problems will be applied including management of conflicts when they occur.

RTMG201 Retail Inventory Management (3 semester hours)
Retail inventory management is a strategic factor in retail environment success. In this course students review Retail inventory management processes and methods used to keep track of stock. These methods control ordering, shipping, receiving, tracking inventory, retail turn-over, and storage. Retail inventory management is a significant factor in managing a business' profits at a steady margin as well as reducing theft and loss of inventory. Many retail businesses lose money every year because they do not have a successful inventory management system in place. Students will review the following functions for a retail business: Tracking and managing the inventory for the business to keep up with store markdowns; Evaluating how well groups of products perform in sales; Provides analysis for comparison shopping with competitors; Collecting data on the sales and inventory of individual stores using SKU; and Methods to accurately review inventory. Students will distinguish between large and small retail organizations, and variations in inventory management based upon the nature of the inventory (perishable, seasonal, fashion, etc) An analysis of skills, tools, and resources required for effective inventory management will be reviewed as well as strategies for keeping inventory current and ways to identify and mitigate inventory management challenges and risks in order to support retail organization profitability.

RTMG202 Risk Management (3 semester hours)
This course enables students to identify, define, and explain risk situations and to develop management concepts, techniques and processes and understand from a company perspective the impact of safety and compliance policies. To understand risk management students will examine risk management origins and trends from an insurance perspective in retail and develop skills in interpreting the impact that unresolved risk management issues can have on compliance, safety and the bottom line. Risk management is about insurance and developing policies to mitigate risk. This strategic focus and its application are covered in this class.

RTMG203 Commercial Safety (3 semester hours)
Students will define the commercial safety environment and extrapolate various trends in commercial safety, to include strategies and characteristics of a safe work environment, and ways to mitigate potential safety risks. Students will review and analyze case studies and scenarios about employee safety policies and practices and examine the manager's role to drive safety compliance in order to sustain brand image. In addition, they will examine team safety training and understand practices that emphasize the importance of individual compliance. Students will identify how to establish a corporate safety structure and define and explain the characteristics of an effective commercial safety training system. Finally an examination of best practices to protect employees and to drive continuous improvement in safety practices will be conducted by students.

RTMG204 Finance Fundamentals (3 semester hours)
During this course, students will develop a basic vocabulary and application of finance functions and principles. Students will describe the importance of knowing retail based calculations such as retail pricing, markup, and gross profit. They will relate the concepts of retail math (initial margin, markdown, shrinkage, gross profit dollars and percents) to finance and to the overall business success of the retail enterprise. They will define and apply ending inventory, retail cost, cost compliment, net profit, net sales, controllable expense, and non-controllable expense. Students will examine how retail finance can be applied to products and services in a wide variety of situations and how to review a project and evaluate the financial situation.

RTMG220 Retail Asset Protection (3 semester hours)
This course is an overview of the principles and issues in business asset protection. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of asset protection and its current role in business operations.

RTMG221 Retail Photo Operations (3 semester hours)
Students will define the basics of retail photo operations, principles and techniques found in today's marketplace. Students will learn how to present the photo department to customers as well as the details of the supporting photo center operations. Students will learn the current types of photographic equipment, how to maintain inventory and account for financial transactions. In addition, students will learn what advanced techniques are now available and be able to distinguish the differences from older film products. While the organizational structure of a retail store photo operation may vary by the size and type of the business, most tasks involved with operating a retail photo center are similar. Comparisons will be made to the advantages of a small specialty shop versus a department a in large retail operation. Students will have the opportunity to explore these variations.

RTMG295 Retail Management Seminar (3 semester hours)
This course is a culminating course for the Associate of Arts in Retail Management. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates a grasp of management study. This is a culminating course to be taken after all other Associate of Arts in Retail Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken the LAST course in the A.A. in Retail Management program.

RTMG300 Retail Strategy (3 semester hours)
Students in this course will use analytical techniques for diagnosing the competitive position of retail focused strategy and to discover specific retail options. They will discover the strategic perspectives of retail management by examining essential concepts in the retailing industry, determining and calculating how retail businesses increase returns, and determining ways they create economic value for owners and stakeholders. Students will contrast how today's managers assess and implement strategies and apply planning used by successful retailers. They will explore the retailer's role in society providing insights as to how consumers behave as shoppers, what retailers do to create demand as well as their role in satisfying customer demands. In addition, students will discuss strategy from the perspective of planning for success as well as identifying challenges and problems that occur when retailers do not react to rapid changes in the marketplace to remain competitive and meet the ever-changing demands of the consumer.

RTMG301 Retail Innovation (3 semester hours)
Retail innovation is a new or significantly improved service concept that is taken into practice. It includes examples such as: new customer interaction channels, a distribution system or a technological concept or a combination of them. A service innovation always includes replicable elements that can be identified and systematically reproduced in other cases or environments. The replicable element can be the service outcome or the service process as such or a part of them. Innovation benefits both the service producer and customers and it improves its developer's competitive edge. Retail innovation is a service product or service process that is based on some technology or systematic method. In retail however, the innovation does not necessarily relate to the novelty of the technology itself but the innovation often lies in the non-technological areas. Retail innovations can for instance be new solutions in the customer interface, new distribution methods, novel applications of technology in the service process, new forms of operation with the supply chain or new ways to organize and manage services. The course provides a study of how retailers must continually review and introduce innovational concepts to remain competitive and explore how patterns change in markets creating both opportunities and threats to retailers.

RTMG302 Retail Operations (3 semester hours)
Retail Operations involves managing the day-to-day functions of retail establishments like department stores, grocery stores and specialty shops. This course is concerned with the formulation and analysis of these operations and the policies that collectively determine how a retail oriented business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of retail focused strategy, and identifying and analyzing specific retail operation options (consisting of such things as the sale of goods or merchandise from a fixed location, a department store or kiosk, or by post, in small or individual lots for direct consumption by the purchaser. Students will cover the functions and applications of various retail operations theory and the needs of today's managers in assessing and implementing retail operations used in the supporting functions in the workplace.

RTMG303 Retail Merchandising Operations (3 semester hours)
Students in this course will review retail merchandising operations Retail selling effort is the principal task of in-store sales personnel through the use of promotions designed by a manufacturer, such as unique displays, giveaways, or discount and premium offers. In this case, merchandising is the act of managing and arranging the merchandise on display in a store so as to promote its sale. Its importance in a competitive market to include the relationship between retail merchandising operations and corporate profitability will be examined. Students will discover the various retail merchandising operations including planning, organizing, staffing, directing, leading and controlling as well as analyzing the competitive market and how the many different concepts of retail merchandising operations are needed for today's managers to continue to increase profits for their shareholders. Students will discover how today's competitive and global organizations utilize techniques and resources to succeed and remain profitable.

RTMG390 WalMart Facility Manager Integration Seminar (3 semester hours)
This course is only for Walmart Store Managers, Walmart Market Managers or Sam's Club Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; ethics; communication; strategic management; retail strategy, operations and merchandising; consumer behavior; talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG391 WalMart Buyer Integration Seminar (3 semester hours)
This 16 week course is onlyfor Walmart Buyer's or Sam's Club Buyer's either currently serving or those having served in the past asvalidated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas ofpublic speaking; communication; strategic management; retail strategy; consumer behavior; retail operations;retail merchandising operations' customer relations and finance fundamentals. Competency basedassessment of job learning demonstrates that students taking this course have inherent practical and appliedknowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specificliterature. On successful completion of this course, students will be awarded transfer credit for thedesignated courses for their position in the subject areas above.

RTMG395 Assistant Manager Integration Seminar (3 semester hours)
This 16 week course is only for Assistant Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of food service sanitation; human resource management; management communications; retail organization fundamentals; customer relations; retail operations; and retail merchandising operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG396 WalMart Hourly Supervisor Integration Seminar (3 semester hours)
This course is only for Walmart Department Managers/Merchandise Supervisors (all sub categories), Walmart Zone Merchandise Supervisors, Walmart Photo Supervisors/Department Managers or Sam's Club Hourly Supervisor (Team Lead) either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of retail organization fundamentals, customer relations, retail inventory management, commercial safety and finance fundamentals. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG495 Senior Seminar in Retail Management (3 semester hours)
This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates mastery of retail management studies. This is a capstone course to be taken after all other core courses have been satisfactorily completed. Student must have SENIOR standing to register.

RTMG499 Independent Study Retail Management (3 semester hours)

This course is an opportunity for Retail Management students to pursue an independent research project or examine a specific area of Retail Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper, and complete a series of smaller papers. There will be no examination. Students will submit a proposal prior to the start of the project.

Reverse Logistics Management (RLMT)

RLMT301 Introduction to Reverse Logistics Management (3 semester hours)
This course provides students with a systems-centric view to explore what is seen as today's wide range of practices in reverse logistics applications in manufacturing, retail and in the military. It includes the many definitions related to reverse logistics, the different scope, practices, procedures and processes of reverse logistics as compared to forward logistics. It explores the various dilemmas practitioners face in designing a reverse logistics system. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT302 Environmental Issues in Reverse Logistics (3 semester hours)
This course provides students with an overview of sustainment of materials recovered from waste management programs. Students will study environmental regulations and their impact on company's plans to dispose of unused or waste materials into landfills or recycling programs. Students will gain a perspective on how reverse logistics can work to improve the environment to help increase the value of the company's products, and increase revenue in the process. The student will evaluate the direct and indirect impact of reverse logistics operations and the impact on the local and regional and world environment. The "green" movement will be explored as a competitive advantage. The student will study various recycling processes for various products, from automotive to clothing to food and beverages.

RLMT303 Technology in Reverse Logistics (3 semester hours)
This course provides students with a systems-centric view to explore how tracking and tracing technology, such as GPS, bar codes and Radio Frequency Identification (RFID) tags can be used in reverse logistics operations for returns, recalls, recycling and waste management. Case studies of today's best practices in reverse logistics technology used in manufacturing, retail and in the military will be studied and discussed. Packaging technology and the growth of new types of packages to reduce waste will be examined. A comparison will be conducted on how different technology is used in processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships regarding the use of technology to capture data for products flowing in the reverse logistics system. Data synchronization and the issues of interfacing legacy software systems or information technology systems will be explored. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT304 Reverse Logistics Policies and Procedures (3 semester hours)
This course demonstrates the 21st century importance of strategic reverse logistics planning in contributing to corporate profits, customer service enhancements leading to higher sales and a marketing weapon to gain sustainable competitive advantage. The importance of moving information becomes equal to the movement of goods but is different when working in forward logistics compared to reverse logistics operations. Federal and state regulations regarding waste management and the handling of recycled materials will be examined. Managerial perspectives are offered on aligning corporate planning, technology, financial controls and reverse logistics performance measurement. Students will also gain an overview on the interaction among stakeholders in the public and private sectors in aligning public policy with global uncertainties when implementing reverse logistics operations.

RLMT305 Cost and Benefit Analysis of Reverse Logistics (3 semester hours)
This course provides students with a systems-centric view to explore the financial management components needed to develop best practices in reverse logistics applications in manufacturing, retail and in the military. A systems view of total life cycle cost will be calculated and compared to the benefits or value added by incorporating a reverse logistics process to manufacturing and retail operations. Students will analyze a potential reverse logistics case study to determine the short and long term financial implications to the company and to the environment. The student will examine how to define the problem and the core assumptions that define the problem space. This course is intended for students and professionals working in an organization that uses or is considering using reverse logistics.

RLMT306 Green Logistics Programs and Issues (3 semester hours)
This course provides students with an understanding of sustainability and environmental issues and programs for today's logistics and supply chain manager. Students will examine recycling activities of several corporations and examine "green" technology initiatives from using energy-efficient lighting to using wind and solar power. Legislation and regulations will be examined and discussed that place boundaries on greenhouse gases in manufacturing and in retail operations. International impacts on U.S. policies and programs, such as Cap-and-Trade will be examined in relationship to similar programs in other countries. The definition and potential impact of global climate change will be discussed. The student will examine how different manufacturing and distribution companies are complying or not with the Carbon Footprint concerns.

RLMT307 Food and Beverage Reverse Logistics (3 semester hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to the food production and distribution industry as well as the beverage industry. The student will study new container and packaging designs, such as the TEDSBOX, to help eliminate the spoilage factor of food and beverage movement in a reverse logistics operation. The issue of food and beverage is complex with many solutions from retail grocery giants. How to process returned food and beverage items will be explored and options discussed. Field survey of a grocery store or commissary near the student will be encouraged in order to obtain the unique language used in each type of retail store. Recycled food and beverage items will be examined in order to reprocess basic ingredients, such as sugar, to be resold in the marketplace next to virgin sugar. This course is intended for students and professionals working in manufacturing and retail reverse logistic who are concerned with returns and unsalable products.

RLMT309 Reverse Logistics Management and Operations (3 semester hours)

This course provides students with an overview of today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of adding a reverse logistics operations center to a forward logistics supply chain. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. Case studies of Central Returns Centers are examined and core assumptions derived to help define the steps to follow in setting up a Central Returns Center. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT400 Recalls Best Practices and Issues (3 semester hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in product recalls in manufacturing and retail. There appears to be no one standard set of practices or steps to follow for recalls. Each time a recall is voluntary or is issued by a company or the government, different procedures seem to be followed. This course will examine case studies of recalls from the food and beverage industry, consumer electronics, automotive, toys, and home appliances and furniture. The student will examine these cases to discover a set of procedures or steps that are common and those that are unique. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT495 Senior Seminar in Reverse Logistics Management (3 semester hours)

This course allows students majoring in Reverse Logistics Management (RLM) to analyze specific issues of defining the various components of reverse logistics operations both domestically and internationally. This course will provide students with the opportunity to complete an approved academic research project that demonstrates knowledge of a selected applications area in reverse logistics management. The project, chosen on a specific topic, will be completed by each student in the course. Prerequisite: Completion of a minimum of 106 hours towards your program.

Science (BIOL)

BIOL133 General Biology I with Lab (4 semester hours)
This course provides a foundational basis for the study of basic biology. It is the first in a two-part biology series that is designed for students who intend to complete a degree that requires a majors-level biology course. Topics in in this course include an introduction to the molecular basis of life, biology of the cell, genetic and molecular biology, evolution and diversity of life on Earth. The laboratory portion of this course will include hands-on as well as virtual laboratories that complement the topics and concepts covered in the lecture component. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens and access to very hot or boiling water. In addition, students must be able to document their laboratory work using still pictures and/or video.

BIOL134 General Biology II with Lab (4 semester hours)
This course is the second in a two part biology series that is designed for students who intend to complete a degree that requires a majors-level biology course. Topics included in this course diversity of life on Earth, plant form and function, animal form and function, and ecology and behavior. The laboratory portion of this course will include hands-on as well as virtual laboratories that complement the topics and concepts covered in the lecture component. As part of the hands-on laboratory component, students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens. In addition, students must be able to document their laboratory work using still pictures and/or video. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. Prerequisite: BIOL133.

BIOL201 Principles of Anatomy and Physiology with Lab (4 semester hours)
This course introduces students to the fundamental principles associated with the structure and function of the human body. It is intended to prepare students for careers in the health sciences and healthcare systems (medical assisting, medical technology, radiologic technology, respiratory therapy, health information management, medical coding, etc.). Lessons and laboratory exercises focus on the organization, microscopic and gross anatomy, and the functions of the integumentary, musculoskeletal, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of the human body. The basics of chemistry and cell biology are introduced in order to provide the foundation for discussion of the individual organ systems. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video. This is a time and resource-intensive course. Students intending to pursue a career in the health sciences should verify that this course meets the requirements of their intended program prior to enrollment. NOTE: Students may take either BIOL201 or BIOL250/BIOL251 for credit, but not both versions of anatomy & physiology.

BIOL202 Principles of Microbiology with Lab (4 semester hours)
This course includes the study of the history of Microbiology, as well as the fundamentals of microbe staining, culture and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in check. Finally the course will focus on microbial infections of the skin, eyes and wounds as well as the urogenital, respiratory, oral gastrointestinal and nervous systems. This course includes a laboratory component that allows the student to explore exercises in the principles and concepts of microbiology. This course is designed for students with interests in basic science, microbiology and the medical professions. NOTE: Students may take either BIOL202 or SCIN202 for credit, but not both versions of microbiology. (Prerequisite: BIOL133 or SCIN130)

BIOL240 Elements of Biological Chemistry (3 semester hours)
This course introduces students to the fundamental principles associated with the structure and function of the macromolecules that sustain living systems. The course will begin with a general introduction to organic chemistry including the molecules and functional groups that set this category of chemistry apart from the others. Topics will then move on to more specific molecules such as carbohydrates, lipids, proteins and nucleic acids along with the cellular processes involved in building and metabolizing these macromolecules. Additional details regarding biology at the cellular and molecular level will include topics such as nutrition, body fluids, pH and cellular respiration. Prerequisite: CHEM134 and BIOL134.

BIOL241 Cell Biology (3 semester hours)
This cell biology course will provide a detailed understanding of the fundamental processes of cellular functions. The course will include aspects of prokaryotic and eukaryotic cells as both often share similar mechanisms. In the first half of the course, the focus is on the macro-–level with an exploration of basic cell characteristics, cellular membranes, cellular respiration and how cells interact with the environment. In the second half of the course, the focus is on genetics with a look at chromosomes, genes, gene expression, how cell accomplish DNA replication, repair errors that can result in DNA, how cells reproduce, how cells communicate, and finally we will explore the relationship between cancer and the immune system at the cellular level. Prerequisite: BIOL134, CHEM134.

BIOL250 Human Anatomy and Physiology with Lab I (4 semester hours)
This is the first of a two course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS nursing, physician assistant, etc.). Lessons and laboratory exercises focus on the organization of the human body, homeostasis, basic chemistry, cell biology, genetics and heredity, and the integumentary musculoskeletal, and nervous systems. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video. This is a time and resource-intensive course. Students intending to pursue a career in the health sciences should verify that the BIOL250 and BIOL251 course sequence meets the requirements of their intended program prior to enrollment. Lab material for this course will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills. NOTE: Students may take either BIOL201or BIOL250/BIOL251 for credit, but not both versions of anatomy & physiology. (Prerequisites: CHEM133 or SCIN131, and MATH110, MATH111, or MATH225)

BIOL251 Human Anatomy and Physiology with Lab II (4 semester hours)
This is the second of a two-course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS, nursing, physician assistant, etc.). Lessons and laboratory exercises focus on homeostasis, metabolism, acid-base balance, growth and development, and the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. Students are also required to successfully complete a cumulative assessment of anatomy & physiology objectives from both BIOL250 and BIOL251. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video. Lab material for this course will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills. NOTE: Students may take either BIOL201 or BIOL250/BIOL251 for credit, but not both versions of anatomy & physiology. (Prerequisite: BIOL250)

BIOL301 Molecular Biology (3 semester hours)
This molecular biology course will provide a detailed understanding of the structure, function, and regulation of DNA, RNA and proteins. The first half of the course will focus on the basic biochemical properties of DNA, RNA and proteins to establish and understanding of how these molecules function. The second half of the course will focus on transcription, translation, and regulation of these processes and finally the real-world application of molecular biology. Prerequisite: SCIN211.

BIOL322 Developmental Biology (3 semester hours)
Developmental biology describes the transformation of a fertilized egg into a complex, multicellular organism. This course focuses on the genetic, cellular, and morphological pathways necessary for the embryonic and postnatal development of select invertebrates (roundworm, insects) and vertebrates (amphibians, fish, chicks, and mammals). The various experimental techniques used to study embryonic development will also be explored. Additional topics include metamorphosis, regeneration, aging, cancer, and the role of development in evolution. Online tools will be utilized to help illustrate dynamic concepts and enhance understanding. This course is an in-–depth review of complex biological topics, and is designed for students concentrating in the natural sciences. Prerequisites: SCIN211, BIOL241.

BIOL342 Evolutionary Biology with Lab (4 semester hours)
The goal of this course is to examine the fundamental concepts of evolutionary theory. This course will include a survey of historic and current scientific methods and data in the study of biological evolution. Topics include natural selection, genetic drift, adaptation, sexual selection, speciation, and coevolution. Applications of evolution to current global issues and problems will be demonstrated. Students will use discussions, assignments, readings, and projects to illustrate evolutionary concepts. Prerequisites: BIOL134, SCIN211.

Science (CHEM)

CHEM133 General Chemistry I with Lab (4 semester hours)

This is the first course of a two course general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Lecture and lab topics are both descriptive and mathematical and include matter, measurement and problem solving, atomic theory and structure, the periodic table, nomenclature, physical properties of gases, liquids, and solids, molecular bonding and geometry, stoichiometry, thermochemistry, types of chemical reactions, and solution chemistry. The laboratory component of this course is hands-on and designed for science students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, and test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. Students must have a safe work area available to perform laboratory activities, including working with an open flame. Students must be able to document their laboratory work using digital pictures and/or video. Students must also have room temperature storage available in order to maintain laboratory materials through both CHEM133 and CHEM134. Lab material for this course will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills. This is a time and resource-intensive course. Students intending to use this course to satisfy prerequisites for pre-professional programs should verify that the CHEM133 and CHEM134 course sequence meets the requirements of their intended program prior to enrollment. In order to be successful in this course, it is recommended that students will have completed high school chemistry or a basic college equivalent, and be comfortable with basic algebra, including manipulation of equations.

CHEM134 General Chemistry II with Lab (4 semester hours)

This is the second course of a two course general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Lecture and lab topics are both descriptive and mathematical and include solution chemistry, chemical kinetics, chemical equilibrium, acids and bases, aqueous ionic equilibrium, free energy, thermodynamics, electrochemistry, radioactivity, and nuclear chemistry. The laboratory component of this course is hands-on and designed for science students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, and test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. Students must have a safe work area available to perform laboratory activities, including working with an open flame. Students must be able to document their laboratory work using digital pictures and/or video. Students must also have room temperature storage available in order to maintain laboratory materials. Lab material for this course will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills. This is a time and resource-intensive course. Students intending to use this course to satisfy prerequisites for pre-professional programs should verify that the CHEM133 and CHEM134 course sequence meets the requirements of their intended program prior to enrollment. In order to be successful in this course, students must have successfully completed CHEM 133 General Chemistry I with Lab or equivalent. NOTE: This course requires the student to purchase additional materials at substantial cost that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: CHEM133)

Science (ERSC)

ERSC204 Earth System History (3 semester hours)
Earth System History explores the amazing history of our planet. Many astonishing events of the geologic past, and the science behind how they came to be understood are examined. The Earth and its inhabitants have undergone continuous change during the last 4.56 billion years. These changes are investigated using an integrated approach that considers the inter- relationships between the solid Earth, atmosphere, hydrosphere, and biosphere. Thus, students learn how our planet became a place where life began and continued to flourish; how change has dominated Earth history; and how continuing changes to Earth's subsystems may challenge us in the future. Prerequisite: SCIN138.

ERSC206 Weather and Climate (3 semester hours)
This course will provide an introduction to meteorology and climate for scientists. We will explore the basics of Earth system, atmospheric thermodynamics, atmospheric chemistry, cloud physics, atmospheric boundary layer and radiative transfer. The background from these topics will provide the foundations to discuss climate change and climate dynamics. We will examine current research on the areas of climate change research to learn about the current state of climate change. Prerequisites: SCIN234 or PHYS134, and MATH226.

ERSC301 Hydrology (3 semester hours)
Physical principles governing occurrence and movement of water, including precipitation, evaporation and transpiration, runoff, infiltration, soil water movement, and stream channel morphology. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: GEOG103 or SCIN138)

ERSC302 Geomorphology (3 semester hours)
Description: Geomorphology is the study of the physical features of the Earth's crust. The study of geomorphology helps us understand not only about the earth as it is today, but also as it may have been in the past. Climate change and global warming are hot issues in current events these days, but how do scientists determine the climate is actually changing? Through observation of what we see today, and comparison to what we "see" in the past. This allows us to determine if the climate of the earth has always been like it is today or whether it's changed over time. With that knowledge we can predict how the climate might change (or not) in the future. If global warming and cooling has happened before, then it might happen again. One way to determine past climatic conditions is to study the landscape. What types of landforms are associated with different climatic conditions? The Midwest used to be the bottom of a vast shallow sea; the northern part of our continent was sculpted by glaciers that no longer exist. Understanding geomorphology, gives us insight to the landforms we see today that are the result of processes no longer at work on the landscape. Prerequisite: SCIN138.

ERSC303 Conservation of Natural Resources (3 semester hours)
This course examines the ways in which modern economies use and conserve natural resources, and how the use of those resources impacts the environment. Resources are defined not just by their physical properties. They are, in part culturally defined. This necessitates investigating how cultures conceptualize resources, how economies value resources and what political and social institutions have been created to manage resource use. The extraction and use of resources has consequences for societies and their physical environment. This course explores these consequences through a survey of the major categories of resources and the issues associated with their extraction, use and conservation. It also examines the prospects for establishing more sustainable resource management. Prerequisite: GEOG103.

ERSC305 Ocean and Atmospheric Dynamics (3 semester hours)
This course will explore the fluid mechanical principles guiding the atmosphere and ocean on a global scale. We will examine the inherit variables in the equations of motion, hydrostatic equations, and balanced flow principles. An examination of the atmospheric general circulation will be discussed including vertical and horizontal structure of temperature, pressure and density as well as a discussion on the dynamics of convection. Ocean dynamics will be discussed including the air-#-ocean interaction, thermohaline circulation and ocean heat budget and transport. Prerequisite: ERSC206.

ERSC401 Natural Hazards and Society (3 semester hours)
The purpose of this course is to introduce the student to the complex relationships between the natural hazards of earth processes that have direct, and often sudden and violent impacts on human society. The course integrates principles of geology, hydrology, meteorology, climatology, oceanography, soil science, ecology and solar system astronomy. This class describes the earth processes that drive hazardous events in an understandable way, illustrates how these processes interact with our civilization, and describes how we can better adjust to their effects. Examples and case studies are taken from international and U.S. experiences, along with how societies adjust to natural hazards. Prerequisites: GEOG103, ERSC206, and ERSC302.

Science (GEOG)

GEOG101 Introduction to Geography (3 semester hours)
This course is a basic overview of the geographer's study of the location and distribution of features on the Earth's surface. These features are both natural and man-made, both physically and culturally determined. The relationship of people and place is central to an understanding of human history, contemporary events, and possible global futures. As an introductory course it covers the whole globe and all its greatest geographic features and relationships. This dictates that the approach is broad and not too deep. However, knowledge of the geographer's art will enable students to delve as deeply as their interest and energy will allow, into the dynamic spatial realities that surround them.

GEOG103 Physical Geography (3 semester hours)
Physical Geography includes the study of processes of the atmosphere, hydrosphere, lithosphere and biosphere. Specific topics include maps and map reading, temperature cycles, storms formation, plate tectonic theory, structures of volcanoes, flooding, coastline formation, glaciations, ice ages, and the distribution of plants and animals on the planet. This course is an excellent choice for anyone with interest in environmental studies, natural hazards and the science behind earth processes. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

GEOG200 Fundamentals of Geographic Information Systems I (3 semester hours)
The term "Geographic Information System" refers to the synthesis of information (data), software, and hardware for the express purpose of better understanding the world in which we live. Data are collected and managed within this system, and are ultimately used to question, analyze, and interpret patterns that occur throughout physical space. The interaction between different types of data reveal patterns and relationships that are not otherwise readily detectable. This course will provide students with the theoretical concepts necessary for advancement in the field of GIS, and further enhance their experience in a wide range of multidisciplinary endeavors.

GEOG201 Fundamentals of Geographic Information Systems II (3 semester hours)
This course builds upon principles covered in Fundamentals of GIS I and will provide students an emphasis of hands-on Geographic Information Systems (GIS) experience while solidifying the foundation of the concepts learned in Fundamentals of GIS I. The objectives of this course are to begin establishing a solid foundation in the operation of GIS systems and to teach organizational skills needed for successful GIS project management. Overall this course prepares the student for learning beginning and intermediate functional applications of GIS as well as spatial data analysis. Prerequisite: GEOG200.

Science (PHYS)

PHYS133 Elements of Physics I with Lab (4 semester hours)
This fundamental Physics course is the first of two courses that examine basic Physics using algebraic techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and thermodynamics. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. Prerequisite: MATH110, MATH111, or MATH225.

PHYS134 Elements of Physics II with Lab (4 semester hours)
This fundamental physics course is the second of two courses that examine basic physics using algebraic techniques. The course covers electric forces and fields, electric currents and circuits, magnetic forces and fields, electromagnetic induction, alternating current, electromagnetic waves, reflection and refraction of light, optical instruments, interference and diffraction, and an introduction to quantum and particle physics. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. Prerequisite: PHYS133.

Science (SCIN)

SCIN120 Foundations of Scientific Inquiry Laboratory (1 semester hours)
This course provides an introductory laboratory experience for students who have previously completed a course in the natural sciences (biology, chemistry, physics, earth science, or astronomy) and require a laboratory experience to meet the general education natural sciences requirement for their degree. Students will discuss and apply the steps of the scientific method to activities and simulations drawn from across the natural sciences. Students will also review and demonstrate science information literacy skills through source selection, critical thinking, and writing. Note: Enrollment in this course is limited to incoming transfer students. Contact the Transfer Credit Department at CreditAward@apus.edu for information and registration instructions. This course may only be taken once for credit.

SCIN121 Habitable Worlds Are We Alone with Lab (4 semester hours)
Are we alone in the Universe? If so, why? If not, where might life exist outside of Earth? New information that helps us answer these questions seems to come out every day. Scientists are learning more all the time, including facts about the cosmic makeup of other worlds, information about the biological and chemical origins of life, and about the physics of space which contribute to, or against, life. This course will survey these topics in an adaptive, interactive, and project-based lab environment. Students are strongly encouraged to complete the math course(s) required for their degree program (MATH110 or higher) prior to enrolling in this course.

SCIN130 Introduction to Biology with Lab (4 semester hours)
This course introduces students to the biological systems within their associated environments. The course furnishes an understanding of biological principles and the properties of life. Topics covered in this course include the structure and function of plants and animals, cell biology principles, genetics, reproduction, development and growth, biological diversity, principles of evolution, and interactions among organisms and with their environment. Online laboratory experiences are incorporated, which are designed to correspond to, complement, and reinforce the concepts presented in the assigned reading material. The lab involves study through interactive simulations, videos, and animations, which will be provided to the student in the form of exercises provided throughout the semester. This is a four credit course that includes both a lecture and a lab component.

SCIN131 Introduction to Chemistry with Lab (4 semester hours)
This course introduces students to the principles of basic chemistry, the terminology, methodology and worldview of chemistry, and the practical application to everyday living. Topics are both descriptive and mathematical and include acids and bases, atomic structure, chemical equations and reactions, chemical language and nomenclature, gases, molecular structure, solution chemistry, chemical mathematics, organic chemistry, and biochemistry. The chemistry lab is designed for students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will acquire skills in laboratory techniques and thought processes through interactive virtual laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the class.

SCIN132 Introduction to Human Anatomy & Physiology with Lab (4 semester hours)
This course introduces students to the fundamental principles of biology emphasizing the structure and function of the human body. The course will begin with a general introduction to biology and the scientific method. It continues with an overview of organic chemistry, a study of cellular and tissue structure and function, the organization and regulation of body systems, and then move on to survey each of the following organ systems of the human body: cardiovascular, lymphatic and immune, digestive, respiratory, urinary, skeletal, muscular, nervous, endocrine, and reproductive. The course closes with introductions to genetics, and human evolution and ecology. Online laboratory experiences and exercises are incorporated which will provide the student with a deeper and practical understanding of the basic principles of human anatomy and physiology by using laboratory simulation software.

SCIN133 Introduction to Physics with Lab (4 semester hours)
This course offers an introduction to classical physics for non-scientists. Students will learn to apply Newtonian principles to the fundamental topics of motion, gravitation, momentum, work and energy, heat, wave behavior, sound and light, electricity and magnetism. Basic algebra is used to demonstrate how mathematics can describe and predict the real-world behavior of objects, from electrons to planets. Students will be expected to relate physics principles to their daily lives. The Physics lab teaches students how to take measurements and make observations about physical phenomena, make calculations, and test out their own reasoning. Topics covered in this lab course range from motion to magnetism. This course also involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN134 Introduction to Astronomy with Lab (4 semester hours)
This course will introduce students to the wonders of the universe. Topics will include deciphering the motions of objects in the sky, learning how astronomers decode the light coming to us from distant objects, exploring the Earth and other bodies in our solar system, and investigating the properties and structure of stars, galaxies, and the universe itself. Students will be encouraged to develop conceptual understanding of these topics beyond memorization of facts. In the laboratory component, students will engage in astronomical inquiry using online tools to learn how astronomers work: by asking research questions, collecting data, and defending evidence-based conclusions. While the course is conceptual in nature, students should expect to use some mathematics. Completion of at least college algebra prior to taking this course is highly recommended.

SCIN137 Introduction to Meteorology with Lab (4 semester hours)
Introduction to Meteorology covers the fundamental principles governing the behavior of our atmosphere and the duties and methods of the professional meteorologist. Students will gain insight into the exciting discipline of meteorology, discussing topics such as cloud formation, movement in the atmosphere, thunderstorms, tornadoes, meteorological satellites, and climate change. The Meteorology laboratory will take the student deeper into the aspects of our weather through the study and exploration of our atmosphere via online interactive modules prepared by professional meteorologists. Topics to be discussed range from hurricane formation and the impacts of extreme weather to forecasting local weather and toxic pollution. The online laboratory modules increase the student's awareness of our planet through hands-on activities.

SCIN138 Introduction to Physical Geology with Lab (4 semester hours)
Geology encompasses the study of our planet, and students in this course will explore: how it formed, the nature of its interior, the materials of which it is composed, landforms, earthquakes and volcanoes, geologic resources, and geologic history. Current events that students learn about in the news, ranging from volcanic eruptions, earthquakes, landslides, and more will fit into a larger picture of how Earth works and why such things happen. The Geology lab provides students with a laboratory manual, 36 rock and mineral samples, a topographic map, and other tools to give students a hands-on opportunity to explore geologic concepts covered in the lecture portion of the course as well as virtual field trips related to the geologic sciences.

SCIN140 Introduction to Environmental Science with Lab (4 semester hours)
This course will give students the opportunity to learn and connect with the central issues of environmental science. This is a course primarily for the non-scientist. The basic concepts of ecology, geography, chemistry, economics, ethics, policy, and many other disciplines will be used to examine the overarching role that humans play in our planet's environmental problems and successes. The laboratory exercises will allow students to use hands-on, field, and/or Internet resources to collect and evaluate qualitative and quantitative data regarding the human-environment relationship. Lifestyle examination, ethical considerations, and critical analysis of individual contributions to local and global impacts in regards to environmental sustainability will be emphasized in the laboratory portion of this course.

SCIN202 Introduction to Microbiology (3 semester hours)
Introduction to Microbiology includes the study of the history of microbiology, as well as the fundamentals of microbe staining, culture, and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in check Finally, we will focus on microbial infections of the skin, eyes, and wounds as well as the urogenital, respiratory, oral gastrointestinal and nervous systems. NOTE: Students may take either BIOL202 or SCIN202 for credit, but not both versions of microbiology. (Prerequisite: BIOL133 or SCIN130)

SCIN206 Marine Biology (3 semester hours)
This course covers key principles and topics in oceanography and marine biology. It is focused on applied problems; it will use problems involving the basic biology of organisms, taxonomy, marine ecosystems, pollution, fisheries, aquaculture and sustainable marine resources to investigate topics in marine biology. Prerequisite: SCIN130 or BIOL134.

SCIN211 Principles of Genetics with Lab (4 semester hours)
This course is an introduction to the basic principles of human genetics and heredity. Students will investigate both classical Mendelian genetics and modern molecular genetics. Topics include the transmission of genes from one generation to the next, the molecular structure of genes, the regulation of gene expression, genes and cancer, genetic technology, genetically modified foods, gene therapy and population genetics. The course is designed for all students interested in human genetics, the application of genetic principles and genetic technology. (Prerequisite: BIOL133 or SCIN130)

SCIN233 Physics I with Lab (4 semester hours)
This fundamental Physics course is the first of two courses that examine basic Physics using Calculus techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and Thermodynamics. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. Prerequisite: MATH225.

SCIN234 Physics II with Lab (4 semester hours)
This fundamental physics course is the second of two courses that examine basic physics using Calculus techniques. The course covers Electric Forces and Fields, Electric Currents and Circuits, Magnetic Forces and Fields, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Reflection and This fundamental physics course is the second of two courses that examine basic physics using Calculus techniques. The course covers Electric Forces and Fields, Electric Currents and Circuits, Magnetic Forces and Fields, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Reflection and Refraction of Light, Optical Instruments, Interference and Diffraction, and an Introduction to Quantum and Particle Physics. (Prerequisites: SCIN233 and MATH226)

SCIN255 Principles of Pathophysiology and Pharmacology (3 semester hours)
This course introduces students to the fundamental physiological principles of disease and injury and the mechanisms and use of drugs in the care and treatment of humans. It is intended to prepare students for careers in the health sciences and healthcare systems (medical assisting, medical technology, radiologic technology, respiratory therapy, health information management, medical coding, etc.). Initial lessons provide an overview of cellular injury, inflammation, immunity, drug naming, classification, and common mechanisms of drug action. Later lessons examine the common diseases and medications affecting each organ system. Prerequisite: HIMA100.

SCIN261 Introduction to Planetary Science with Lab (4 semester hours)
This course is a tour of the planets and moons of the solar system, and an introduction to their internal structures, atmospheres, and surface features. Processes that form planets and act continually to change them (e.g., earthquakes, volcanoes, giant impacts) are discussed, as are comets, asteroids, rings, and life. Information gained from spacecraft missions is highlighted. In the laboratory component, students will engage in planetary science inquiry using online interactive simulations and data gathered from space missions and ground-based observatories to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN310 Vertebrate Zoology (3 semester hours)
The origin, diversity, and adaptations of the vertebrates. Phylogenetic systematics (cladistics) will be used as the basis for determining evolutionary relationships of organisms. Monophyletic groupings provide a framework for examining behavior, physiology, and ecology in an explicit evolutionary context. Vertebrates common to North America will be emphasized. (Prerequisite: SCIN130 or BIOL134)

SCIN311 Fishery Biology (3 semester hours)
This course will present the principles and methods used in studying the biology of fishes, the ecological requirements of freshwater and anadromous fishes, and the principles and practices in sport fishery management. Students will participate in case studies and critically analyze existing fisheries management plans to ascertain their effectiveness and scientific validity. This course will also emphasize the value of collaboration in effective fisheries management. (Prerequisite: BIOL134, SCIN130, or SCIN206)

SCIN314 Botany (3 semester hours)
An introduction to the structure, processes, and reproduction of higher plants with an emphasis on flowering plants. This course will use an integrative approach to examine the relationships between structure and function, diversity, and evolution. Prerequisite: SCIN130 or BIOL134.

SCIN316 Plant Identification, Taxonomy, and Systematics (3 semester hours)
An introduction to classification and evolution of vascular plants, with emphasis on flowering plants (angiosperms). This course will use structural terminology, characteristics of major plant families, and systematics. Student will use taxonomic keys, floras, and manuals for species identification. Prerequisite: SCIN130 or BIOL134.

SCIN400 Research Methods in Natural Sciences (3 semester hours)
Research Methods for Natural Sciences is a course that focuses on providing the student the essential elements of scientific research and matters associated with the scientific method, experimental and non-experimental research design, and statistical data analyses. Students will familiarize with the current methodologies, tools, and instruments of modern research, such as: sampling, test design, data collection reporting, and the scientific writing process. In addition, they will develop a proposal to conduct an original research project within the field of Natural Sciences. This proposal is then used as the basis for the student to conduct an independent research project in SCIN499. Do not attempt this course until you have completed all Natural Sciences major required courses and all required courses in the Biology or Earth Science concentration. Contact Academic Advising for information and registration instructions. (Biology Concentration Prerequisite: BIOL240, BIOL241, BIOL342, EVSP416, SCIN211. Earth Science Concentration Prerequisite: ERSC204, ERSC206, ERSC305, GEOG200, SCIN138, SCIN261)

SCIN401 Mammalogy (3 semester hours)
The goal of this course is to introduce students to the biology of the class Mammalia. The course will include a survey of the origins, evolution, diversity, and adaptations of mammals to diverse environments. Topics include taxonomy, reproduction, sensory perception, herbivory, population cycles and behavior. Students will use case studies to apply the concepts of mammalogy to broader problems of species management, biodiversity, and the effects of development and habitat fragmentation on mammals. Prerequisite: SCIN130 or BIOL134.

SCIN402 Ornithology (3 semester hours)

Ornithology is the study of the anatomy, physiology, and behavior of birds. In this course, students will integrate ornithological study with the principles of bird conservation and management. Students will learn to identify birds by sight and call, and will learn the names of the major orders and families of birds throughout the world. Prerequisite: SCIN130 or BIOL134.

SCIN403 Plant Science (3 semester hours)

This course will provide an overview of plant growth and development as it applies to the disciplines of agriculture, forestry, and horticulture. Topics presented will include plant production for food, fiber and fuel, the influence of soils on crops and plant propagation, biotechnology applications, pesticide use, impacts of insects and disease, the influence of genetically modified plants on agriculture, invasive species management, and the implementation of sustainable practices in agricultural and forestry operations. Prerequisite: SCIN130 or BIOL134.

SCIN490 Independent Study - Natural Sciences (3 semester hours)

An opportunity for students to pursue an independent research project or examine a specific area in the natural sciences under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the natural sciences program director. The course will typically require students to confer regularly with the faculty member and produce a major research paper (25+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, a rough draft of the paper during the course, and a final paper and presentation at the end of the course, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 60 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course. Prerequisite: Junior status.

SCIN499 Senior Seminar in Natural Sciences (3 semester hours)

Instruction in analysis and presentation of original scientific research. Each student will carry out an original independent research project which was proposed in SCIN400. After data collection, each student will analyze and interpret data collected from the experimental project executed as part of this upper-level course. Each student will prepare a scientific paper and a live webinar presentation of his/her research. This is considered the capstone course for students completing majors within the natural sciences. (Prerequisite: SCIN400 and completion of a minimum of 106 hours towards your program)

Security Management (SCMT)

SCMT101 Introduction to Security Management (3 semester hours)
This course is an introductory course to the Security Management field and is designed to familiarize students with the profession as well as to provide an overview of security measures used in the industry. Emphasis is placed on distinguishing the terminology used in the security industry. The student will be exposed to such topics as the privatization of public safety, use of technology and physical security, contract and proprietary security, executive protection, special event security, access control, integrated security systems, and the need for assessing vulnerabilities to increase the security posture of an organization.

SCMT150 Transportation and Border Security (3 semester hours)
THIS COURSE IS ONLY OPEN TO TSA STUDENTS:This course is designed to provide the student with an understanding and knowledge of modern transportation and border security challenges as well as techniques to combat those challenges. The course will address changes in infrastructure technology as well as the technology that TSA has to respond to events. We will explore prevention, detection, response, and mitigation. Transportation and border systems of particular interest in this course include, but are not limited to: seaports, ships, airports, aircraft, train stations, trains, railways, highways, bridges, trucks, buses, and pipelines. Students will emerge with a greater understanding of potential threats to our borders and transportation systems, as well as preparation and responses to these threats.

SCMT301 Foundations of U.S. Government Security (3 semester hours)
This course offers the student an overview of many of the primary laws and policies, which drive the U.S. Government's security apparatus. There is a vast array of policy covering security topics, which are promulgated throughout numerous U.S. Government agencies. Topics will include the U.S. Constitution, Executive Orders, Presidential Decision Directives, and the National Industrial Program Security Operating Manual. The student will gain an appreciation for the complexities involved in securing U.S. Government sponsored facilities, personnel and information.

SCMT302 Protecting U.S. Government Facilities (3 semester hours)
This course offers the student an in-depth look into the construction and security management requirements of a wide range of United States Government sponsored facilities (domestic and overseas). This course includes coverage of a wide array of natural and man-made threats that must be considered in facility construction as well as special requirements for constructing facilities designed for the protection of classified information. Additionally, this course will cover facility security management procedures and build upon the student's existing knowledge of basic physical security principles. The student will gain an appreciation for the wide range of facility security applications across the federal government.

SCMT303 U. S. Government Personnel Security (3 semester hours)
Personnel Security (PERSEC) is the fundamental program in government security that provides a process for vetting and maintaining individuals' suitability, reliability, and trustworthiness. This course offers the student an in depth exploration of the steps to gaining access to United States National Security information, facilities and Information Systems; Basic requirements for access with emphasis on the National Industrial Security Program Manual (NISPOM) PERSEC process as well as processes utilized by the Intelligence Community for Access to Sensitive Compartmented Information (SCI) and the Special Access Program (SAP) communities will be covered.

SCMT319 Global Terrorism (3 semester hours)
This course examines various elements and aspects of International and Domestic Terrorism. Students explore the cultural and ideological philosophies, as well as the social, economic, political, and religious conditions of select states, groups, and individuals that comprise the phenomena of terrorism. By examining the historical and contemporary aspects of terrorism students develop a working knowledge of the current Global War on Terror and are better prepared to comprehend terrorist motives and ideologies. Topics include: History and Development, Types of Terrorism, Conventional and Unconventional terrorist tactics, the Media's impact on terrorism including the US Counterterrorism Policies. Particular attention is addressed to the Al-Qaeda terrorist network.

SCMT370 Principles and Theory of Security Issues (3 semester hours)
This course is an overview of the principles and issues in business and organizational security management. It reviews the classical management functions including the role of the Chief Security Officer and the principles of organizing the security function. It assesses the traditional management theories and concepts of planning, staffing, span of control as they are applied to the organization. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The history, legal foundations, functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of security management and its current role in government and business operations.

SCMT371 Legal and Ethical Issues in Security Management (3 semester hours)
This course assesses legal and ethical issues that inevitably affect security managers. It examines dimensions of security management including pertinent points of civil and criminal law, personnel law and obligations, negotiations, contract management, constitutional rights of individuals, legal compliance, liability, ethical standards and dilemmas, and decision-making.

SCMT373 Evaluation of Security Programs (3 semester hours)
This course explores industry standards, practices and methods of determining the adequacy of security management programs. It reviews the interplay of management structures, functions and processes as well as proper procedures for conducting physical security analyses and evaluations. The course examines the principles of operating technology-centered programs for the protection of assets.

SCMT374 Contemporary Issues in Security Management (3 semester hours)
This course focuses on the contemporary issues of security management such as substance abuse, violence, ideologies, adjudication and reconsideration reviews, security countermeasures, case management, use of examinations such as polygraphs, report writing, international commercial sales, and media relations. It also addresses the security manager's role in personnel management, security planning, organizational communication, recruitment, retention, training and development, and management of contracts, as well as examines techniques and tools that help security managers understand bias, educate, and shift attitudes of employees towards more proactive security practices.

SCMT379 School and Campus Security (3 semester hours)
Over the last several years, the perception of safety has been challenged by a series of high profile critical incidents, litigation, legislation and the protection of the 2nd Amendment, right to bear arms. Officials at educational and all types of institutions must be prepared to manage every day security issues while planning for high impact scenarios such as terrorism and active shooter/ mass casualty incidents. Students will explore risk management and emergency management protocols, the threat assessment process, crisis and recovery measures, and become aware of the Department of Homeland Security protocols for active shooters/mass casualty incidents. Students will be required to take the web-based FEMA Active Shooter training and upon successful completion will receive a FEMA certification. This course will benefit students in the educational, criminal justice, security management, emergency management and, homeland security fields of study.

SCMT390 Security Administration (3 semester hours)
This course focuses on principles and practices that security managers can put to immediate use. The bedrock requirements of effective organization, staff selection, and daily operating procedures are emphasized over abstract concepts. Topics include guard operations, plans, policies, and procedures, workplace violence, managing change, bomb threat management, security awareness training, physical security, securing information systems, investigations, and employee screening.

SCMT392 Industrial Espionage (3 semester hours)
Industrial espionage results in millions of dollars in lost revenue each year. This course provides a brief history of espionage and examines the World Wide Web as an enabler of espionage, the role of governments inindustrial espionage, the rise of the competitive intelligence professional, tensions between openness and security, and the Economic Espionage Act of 1996.

SCMT395 WalMart and Sam's Asset Protection Manager's Integration Course (3 semester hours)
This course is open only to Walmart or Sam's Club market asset protection managers either currently serving or those having served in the past as validated on the Career Portfolio. This course is designed to integrate theories, best practices, case studies with practical application in the areas of human relations, public speaking, security issues and administration, physical security, crime analysis, commercial safety, talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and will include specific required readings. On successful completion of this course, students will be awarded transfer credit for the designed courses for their position in the subject areas above.

SCMT396 Protective Services (3 semester hours)
Executive protection is a growth industry. This course provides a thorough overview of the subject. Topics covered include basic principles, threat assessment, risk analysis, training opportunities, finding employment, organization and management of a protective services detail, working the principal, home and office security, technological considerations, vehicle security, conducting an advance, domestic and international travel, firearms selection and training, and self-defense fundamentals.

SCMT397 Physical Security (3 semester hours)
Effective physical security is based on an accurate threat assessment followed by the implementation of an overlapping system of physical and electronic safeguards designed for the specific needs of the client. Topics covered include threat assessment, the security survey, architectural design for security, physical and electronic security methodologies, security lighting, perimeter protection and the guard force, clear zones, wall materials, signage, and the importance of effective and continuous local, state, and federal governmental liaison.

SCMT491 Independent Study: Security Management (3 semester hours)

An opportunity for Security Management students to pursue an independent research project or examine a specific area of Security Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SCMT498 Senior Seminar in Security Management (3 semester hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Security Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Prerequisite: Completion of a minimum of 106 hours towards your program.

Social Science (ANTH)

ANTH100 Introduction to Anthropology (3 semester hours)
This course introduces students to human nature and behavior from the broad, holistic perspective of contemporary U.S. American anthropology. The four primary sub-fields of anthropology, biological, cultural, linguistics, and archeology, will be discussed in order to integrate various aspects of the human condition.

ANTH200 World Archaeology (3 semester hours)
This course is a worldwide survey of prehistoric cultural adaptations from the first use of bone and stone tools to the ancient mysterious civilizations of Asia, Africa, the Americas, and Europe including recent archaeological discoveries. Emphasis is on the development of technologies, social groups and the patterns of cultural development. Archeological excavation methods and archeological artifacts are discussed in considerable detail. Archaeological concepts and skills will be explored through simulations as well as virtual field trips and activities.

ANTH202 Introduction to Cultural Anthropology (3 semester hours)
This course is designed to acquaint the novice anthropology student with anthropology and its various sub-fields, examining cross-cultural, global, comparative, and critical perspectives on human behavior and culture, as well as the diversity of human cultures from hunter-gatherers to industrialized city dwellers. The implications of socio-cultural analysis of economic, social, symbolic, and religious systems are also considered.

ANTH203 Introduction to Forensic Anthropology (3 semester hours)
Forensic anthropology is the application of physical anthropology in a medico-legal context; forensic anthropologists use the tools of archaeology and physical anthropology to discover, recover and identify human remains. Students will be exposed to the interdisciplinary, scientific basis of forensic anthropology, along with legal and ethical issues forensic anthropologists face. The course is designed to give students a broad overview of the field by introducing them to the process of human remains identification; the archaeological and laboratory methods incorporated in human remains recovery; and, a review of the work forensic anthropologists work do with law enforcement, forensic pathologists and odontologists in recovering and collecting victims of foul play as well as those of mass fatalities, such as the 9/11 terrorist attack on the World Trade Center.

Sociology (SOCI)

SOCI111 Introduction to Sociology (3 semester hours)
Introduction to Sociology introduces students to the sociological investigation of human interaction and behavior in society. Students will become familiar with the sociological perspective and develop a 'sociological imagination' – the ability to see the general in the particular, the new in the familiar, and to observe the impact social forces have on our lives. The course explores environmental, historical, cultural, and organizational influences on our interpersonal relationships and life-patterns within the context of contemporary society. Students will learn how to use sociological concepts, theory and research to think critically about individuals, groups, institutions, and societies in any given situation.

SOCI212 Social Problems (3 semester hours)
This course examines a diverse sample of social problems facing the United States today and identifies how these problems affect and are affected by our institutions and culture. The sociological perspective and key theories will be used to understand the beginnings of the civil society, how problems develop and are defined, and the role of social change (particularly contemporary technological innovation). Key social problems covered will include social stratification/inequality, crime, drug abuse, prostitution, aging, infectious disease, family violence, health care, racial/ethnic conflict, terrorism, etc. Sociological research on social problems will be explored, and social policies to remedy the negative consequences of these issues on society will be discussed.

SOCI213 Society, Interaction, and the Individual (3 semester hours)
This course surveys sociological theories and research on the relationship between the individual and society. It is a sociological approach to social psychology, emphasizing symbolic interactionism and social constructionism. Students will learn how individuals participate in the construction of society through interaction and the impact of cultures and social structure on our everyday lives including individual behavior in group processes. Core topics covered will include the Social Construction of Reality, Ethnography and other key methods in Symbolic Interactionism; the Self in Context; the Sociology of Emotions; Interaction and inequality.

SOCI214 Stratification and Inequality (3 semester hours)
This course will critically examine the causes, processes and patterns of social inequality in society. Social stratification explores inequality through the lens of social class, gender, race-ethnicity, sexuality, age, and wellness. Students will use sociological theory and applied research to explore the various ways hierarchies are produced and maintained among people within the social structures such as the economy, religion, education, and family in the United States. Students will also consider the impact of globalization on the distribution of power and access to resources in the United States.

SOCI215 Social Deviance (3 semester hours)
This course is a critical examination of the relationship between deviance and social control. It will include how and why certain forms of behavior come to be known as deviant, it will analyze the nature of formal and informal responses to deviance, and explain the interaction of different social control institutions. Special attention will be given to an overview of general theories of deviance, and the particular forms it takes.

SOCI220 American Popular Culture (3 semester hours)
This course is a contemporary study of popular culture in America – its development and characteristics, its role in shaping our individual lives and key social institutions; and its broad effects on our globalizing world. The course is designed around the interdisciplinary nature of cultural studies, and students will learn how to use key concepts and theories to examine popular culture from a number of different fields including Sociology, Anthropology, Communications, History, Cultural Studies, English, Women's Studies, Ethnic Studies, and American Studies. Students will develop the skills to analyze the reciprocal relationship between culture and key stratification factors such as gender, race, ethnicity, class, age, region and sexuality. The course will cover many facets of popular culture from all forms of media, to sports, fashion, and the influence of technology. Students will learn to situate popular culture within its social, historical, political, and economic contexts and their personal lives.

SOCI303 Classical Sociological Theory (3 semester hours)
This course examines the transition from social philosophy to sociology with special emphasis on the European theorists in the nineteenth and early twentieth centuries.

SOCI305 Contemporary Sociological Theory (3 semester hours)
This course offers a general survey of recent developments in social theory since the 1960's. It covers a variety of theories that have been or are influential in the social sciences. Focus will be directed towards both those social theories that have sought to understand modernity as a social epoch and those that claim we have entered a new postmodern era. Differences between European and American approaches will be considered as the substance of the course is developed.

SOCI306 Race and Ethnicity (3 semester hours)
This course is a critical analysis of the structure of racism, stratification, hate violence, youth violence, poverty and human rights, stereotyping and ethnocentrism in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention.

SOCI307 Sociology of Aging (3 semester hours)
In this course the social construction of age and aging in the U.S. will be examined. The sociological perspective will be used to explore social problems associated with aging and the elderly, the influence of various social institutions on older adults, and sociological theories and research associated with aging. The course will also examine the impact of government, healthcare, the media, and various social factors such as race and gender on the experiences of older adults.

SOCI311 Political Sociology (3 semester hours)
Political Sociology examines the broad social bases of politics and identifies how politics and actions by government can influence the fate of nations and their citizens. These influences include, but are not limited to, power and authority, economic policy, equality, forms of political rule, access to the political process, and the roles of political parties.

SOCI312 Organizational Sociology (3 semester hours)
This course examines the nature of formal organizations in society. Organizations are a distinct form of modern society and human interaction. They shape us as individuals, and they affect the structure of society. Students will explore key organizational sociological literature and apply it to practical case studies in areas such as fast food, the military, politics, religion, education, and social movements, their structures and outcomes. Key substantive areas of analysis will include organizational processes, such as power, leadership and change, and organizational environments and inter-organizational relationships.

SOCI315 Food and Culture (3 semester hours)
This course is a theoretical and empirical exploration of human food choices from an ecological, political and sociological perspective. Students will examine food taboos and cravings, with their social, ideological and biological sources. The course is designed to discuss the socio-cultural dimensions of food production, preparation and consumption to include dimensions of individual, family, community and societal structures, as well as ideological, religious and cultural identities embodied in gender, race, ethnicity and socioeconomic status. Choices of pets, insects and people as food choices are considered in their socio-cultural contexts. Social issues include the 21st century locavore and organic movements, community food production, malnutrition and hunger.

SOCI331 Research Methods for Sociology (3 semester hours)
This course introduces students to the purpose and techniques in social research: problem definition, research design, sampling and data collection methods including observation, interviewing, questionnaire construction and the use of documents and other unobtrusive data sources. The basic goal of all social research is to gather evidence in order to answer questions about the nature of relationships between individuals, groups, institutions, and societies. This course is designed to give the student a broad overview of the logic of social research, of the process of research design, and of the major types of data collection techniques and methods of data analysis.

SOCI332 Statistics for Social Science (3 semester hours)
This course is designed to provide a basic survey of the application, empirical use and interpretation of a variety of statistics methods used in the social sciences. A key objective of the course is the instruction in best statistical practice through the use, exploration and analysis of empirical data. Emphasis will be placed on understanding and interpreting the meaning of statistics. The practical aspects of statistics are emphasized and students are instructed in the use of the standard statistical package for the social sciences (SPSS) which is widely used in the social sciences and in the labor force. NOTE: Students must have access to required software: SPSS (Statistics Package for the Social Sciences); see Course Materials for current version requirement. APUS does not supply this software.

SOCI403 Social Change (3 semester hours)
Beginning with industrialization, a structural and cultural approach will be used to study processes of human interaction resulting in social change. The concept of what 'change' is and how it happens will be clarified with a focus on the various factors and theories that explain it. Key topics will include industrialization, institutional change, social movements, modernization, world systems, economic development, globalization, and information society.

SOCI404 Gender and Society (3 semester hours)
This course is a critical analysis of the structure of sexism, stratification, poverty and human rights in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. The course is designed to discuss the way culture shapes and defines the positions and roles of both men and women in society. It will cover the historical development of gender roles and stereotypes, how gender roles are socially constructed, and the social conditions which may lead to the broadening or reduction of gender roles and stereotypes.

SOCI420 Sociology of Religion (3 semester hours)
This course will guide students through a critical and sociological exploration of religion. It will provide them with an opportunity to think about religious experience and religious organizations as a part of a larger social order. It will introduce basic concepts in the sociology of religion. This process involves analyzing the interrelationship of culture, society, and religion; religion and social stratification; religious, economic, and political institutions; social change and religion. There will be a general emphasis on American society and institutions, with global and historical contexts integrated throughout the course. The course is designed with a focus on reading, discussion, field observation and critical writing.

SOCI421 Sociology of the Family (3 semester hours)
This course is a sociological analysis of the modern family and marriage, its structures and functions, variant patterns, and the influence of contemporary society on this institution. Course topics include dating, marital roles, divorce, child raising, and alternative lifestyles.

SOCI422 Sociology of the Law (3 semester hours)
This course is a study of law, law-making, law-enforcement, and legal systems in social life. Course content focuses on the American legal system from a sociological perspective--its origins, development, and current format, and examines the sources of the legal tradition, the function of legislation in society, and current trends in the social construction of norms. The course investigates the human need for social order and conflict resolution, and how that takes shape in the social world.

SOCI423 Sociology of Health and Illness (3 semester hours)
This course examines the social contexts of health, illness and organized medical care. It focuses on the theories, research and debates of medical sociology. Topics covered will include the social, environmental and occupational factors in health and illness; the meaning of health and illness from the patient's perspective; the historical transformation of the health professions and the health work force; the social and cultural factors surrounding the creation and labeling of diseases; disparities in health, access to healthcare, and the quality of healthcare received; organizational and ethical issues in medicine including rising costs and medical technology; and health care reform.

SOCI424 Sociology of Death and Dying (3 semester hours)
This course is an exploration of the social, psychological, cultural, and individual experiences of death, grief, and loss. The study of the structure of the human response to death, dying, and bereavement in a socio-cultural, interpersonal, and personal context will be examined. Topics to be discussed will include development of perceptions of death, bereavement and grief over the life course; functions of the funeral; euthanasia and death-related ethical debates; and, suicide. Current sociological theories and empirical research regarding the study of death and dying will also be introduced and discussed. Attention will be given to appropriate coping strategies for dealing with death and for aiding others in the coping process.

SOCI490 Independent Study: Social Science (3 semester hours)
An opportunity for Social Science students to pursue an independent research project or examine a specific area of Social Science under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her student advisor. Once the course is open the student must complete an official online registration for the course.

SOCI491 Sociology Independent Study (3 semester hours)
An opportunity for Sociology students to pursue an independent research project or examine a specific area of Sociology under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SOCI498 Senior Seminar in Sociology (3 semester hours)
The focus of this course is to review the major issues within the field of sociology and their relationship to current events. Theoretical and applied perspectives will be discussed, culminating in the students' completion of a major sociological research paper/project that synthesizes the body of acquired knowledge.

Space Studies (SPST)

SPST200 Introduction to Space Studies (3 semester hours)
This course is designed to introduce the student to a variety of subjects, which together comprise the overall field of space studies. This includes the space environment, astrodynamics, launch vehicles, spacecraft, space operations, commerce, space law, policy, telecommunications, space navigations, remote sensing, space resources, astronomy, and space life sciences. All of these topics will be addressed with a very broad brush, as the student will study them more in-depth during later courses in the aerospace studies degree program. Instruction is primarily through readings (both textbook and online), along with weekly classroom discussions. As the first space studies course in the AS and BS degree in Space Studies program, this course also focuses on research and writing methods appropriate to space studies. The web readings listed under "Web Resources" will discuss critical elements of research, writing, style and formatting. The Turabian style (also known as the Chicago style) is required for all courses in this program. The course will introduce the student to a variety of research sources that will be useful in future space studies courses. (Prerequisite: MATH111)

SPST201 Introduction to Space Flight (3 semester hours)
Students in this course assess the major aspects of space flight. The course covers space flight from early rocketry through the development of satellite navigation, meteorology, and telecommunications, up to human space flight. Course topics also include: rocket propulsion, basic orbital mechanics, the space environment, living and working in space, and an overview of non-U.S. space programs. Instruction is primarily through readings, along with weekly forums. There will be weekly quizzes, and a paper. (Prerequisite: SPST200)

SPST203 History of Space Flight (3 semester hours)
This course is a history of human activity in space and includes rocketry, space associations, voluntary organizations, human flight, unmanned flight, satellites, science-fiction, and ballistic missiles. The History of Space is a survey of humanity's quest to explore outer space, "the final frontier." This course is a history of human activity concerning, about, and in space and includes early humanity's fascination with the heavens, the quest for knowledge about what lay beyond the sky, human flight, unmanned flight, the development of rocketry and satellites, the role of early space associations and voluntary organizations, space exploration and ballistic missiles and the increased militarization of space, and science fiction. (Prerequisite: SPST200)

SPST300 Introduction to Space Studies (3 semester hours)
REQUIRED FIRST COURSE before taking any 300 or 400 series core or major course in the BS in Aerospace.Space studies, by its very nature, is an interdisciplinary subject. These various disciplines will be surveyed in this course, at a level appropriate for the non-specialist, including the space environment, policy, astrodynamics, systems design, technologies, business and management, law, applications, physical and life sciences, and space and society. This course provides a foundation for more in-depth study of these areas. (Prerequisite: MATH111 or MATH225)

SPST301 Introduction to Space Flight (3 semester hours)
Students in this course assess the major aspects of space flight. The course covers space flight from early rocketry through the development of satellite navigation, meteorology, and telecommunications, up to human space flight. Course topics also include: rocket propulsion, basic orbital mechanics, the space environment, living and working in space, and an overview of non-U.S. space programs. (Prerequisite: SPST300).

SPST303 History of Space (3 semester hours)
This course is a history of human activity in space and includes rocketry, space associations, voluntary organizations, human flight, unmanned flight, satellites, science-fiction, and ballistic missiles. (Prerequisite: SPST300).

SPST304 National Space Organization (3 semester hours)
This course addresses the United States organization for space operations, to include exploration, satellite operations, military purposes, and research and development. Included in the organization will be the linkages between governmental and non-governmental enterprises in or dealing with space. The course will also briefly address comparative organizations for space as witnessed in other industrialized nations. (Prerequisite: SPST200 or SPST300).

SPST305 Introduction to Orbital Mechanics (3 semester hours)
Students taking this course compute and calculate satellite orbits, planetary orbits, solar system orbits, and other essential space orbits. Designed for the non-scientist student, this course provides a fundamental understanding of how orbital mechanics works in space. (Prerequisites: MATH111 and SPST200 or SPST300)

SPST306 Human Space Flight (3 semester hours)
This course evaluates the physical and psychological effects of spaceflight on humans, countermeasures for both short- and long-duration spaceflight, and discussions of human factors in spacecraft engineering. (Prerequisite: SPST200 or SPST300).

SPST307 Space Policy (3 semester hours)
This course assesses the various aspects of policy surrounding space activities and investigates how space policy evolves from historical contexts through policy outcomes, including law, commerce, the environment, international cooperation, and national security. (Prerequisite: SPST200 or SPST300)

SPST310 Rocket Propulsion (3 semester hours)
This is a survey course of rocket propulsion that covers the history of rockets, the basic science of rocket propulsion including Newton's Third Law, basic fluid mechanics, the ideal rocket equation, nozzle design and impulse, types of rockets including thermodynamic and electrodynamic, and exotic propulsion methods such as solar sails, tethers and the future of antimatter propulsion.As an introductory survey course, the objectives of this class are geared towards gaining a conceptual understanding of these topics and how rocket propulsion works, rather than memorizing a lot of facts.

SPST330 Launch and Reentry Systems (3 semester hours)
This is a survey course of launch systems and re-entry principles that reviews the basic principles of rocket propulsion, and covers launch windows, times and locations, launch vehicles and their subsystems, the concept of staging, current launch systems, re-entry design including trade-offs and options, and ICBM re-entry systems.

SPST340 Tools of the Observatory (3 semester hours)
This course is designed to familiarize students with the tools used by the astronomer in the observatory. Such tools include telescopes and astronomical imaging cameras. Students will have the opportunity to use the APUS remote observatory. The course will also introduce students to career opportunities as night telescope operators at astronomical observatories.

SPST341 Tools of the Planetarium (3 semester hours)
This course is designed to familiarize students with the equipment and operation of the modern planetarium. Students learn about the use of the planetarium as an effective astronomical educational tool, and explore exciting career opportunities in the planetarium field. Students have the opportunity to utilize planetarium software and visit a local planetarium in their region of the country.

SPST415 Space Station Systems and Operations (3 semester hours)
This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST200 or SPST300)

SPST425 Satellite and Spacecraft Systems (3 semester hours)
Orbital satellites and spacecraft are discussed according to their application, design and environment. The power system, shielding and communication systems are reviewed along with their missions, space environment and limitations. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST200 or SPST300)

SPST435 Planetary and Space Exploration (3 semester hours)
This course is a summary of U.S. and international space programs. The student will assess the Earth and its space environment, to include methods of scientific exploration and spacecraft and payload criteria at the basic physics level. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST200 or SPST300)

SPST440 Stars and Galaxies (3 semester hours)
This course is designed to familiarize students with celestial objects found beyond the Solar System. Students learn about the origin and evolution of stars and galaxies. Topics covered in the course include main sequence stars, red giants, white dwarfs, neutron stars, and black holes. Galaxy classification is also considered. Students have the opportunity to use the new APUS remote observatory for celestial observations.

SPST445 Space Transportation Systems (3 semester hours)
This course evaluates Space Transportation Systems (STS) including manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. Included are manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. A review of Space Shuttle flight profiles, guidance and navigation control, proximity operations and rendezvous and a brief review of hypersonic orbiter aerodynamics are included. Also covered are future STS applications to space station logistical operations, commercial applications and Department of Defense operations. (Prerequisite: SPST200 or SPST300)

SPST465 Space Weather (3 semester hours)
The relatively new science of space weather has significant influence on both the space program, and our increasingly technology-dependent society. Space weather is largely the result of solar activity, including sunspots, solar wind and solar flares and their interaction with the Earth's magnetic field. This course will discuss this Sun-Earth connection, its implications for both Earth-bound and space activities, and the current state of space weather study and prediction.(Prerequisite: SPST200 or SPST300)

SPST485 Space Wargaming (3 semester hours)
This course promotes the understanding and effective use of space power while providing insight into the shaping and consequences of strategic decisions made in a space wargame. Students explore critical space issues in-depth and investigate the integration activities of multiple agencies associated with space systems and services. The course includes an overview of wargaming, the reasons why we wargame, and the history of wargaming. It then examines the space environment and why we wargame in space, even though there has never been a conflict in that domain. Next is an overview of Thor's Hammer (the National Reconnaissance Office's wargame) and the Schriever wargame series, followed by lessons learned from each wargame and how wargames affect military strategy. This course allows students to think critically about the importance of space assets and how best to protect them.

SPST499 Senior Seminar in Space Studies (3 semester hours)
Analyses of specific issues will be conducted that will include a review of national space organizations, objectives in past, current, and future aerospace exploration/exploitation, Space Law, government/military and commercial space industrial programs, and examine future trends in space operations. Students will review and analyze the problem solving process with consideration for the economic, social benefit, and security implications of these decisions on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. Prerequisite: Completion of a minimum of 106 hours towards your program.

Sports and Health (SPHE)

SPHE295 Foundations of Nutrition (3 semester hours)
This course introduces students to the scientific principles of nutrition pertinent to the function of nutrients in the body and the physiological processes involved in digestion and absorption. Students will attain knowledge of the nutrients that make up the food we eat; the anatomy and physiology of digestion and absorption; the function of the each macro and micro nutrient within the body; the interplay between foods, food substances and disease processes like heart disease, cancer, and obesity; the role of nutrition throughout the life cycle; and, our global food problems.

SPHE314 Exercise Physiology (3 semester hours)
This course is designed to provide students with the knowledge of the inner workings and physiological changes that occur in the body during exercise, after exercise, and during a training period. Topics include efficiency, needs and limitations of body systems and their interrelationships, gender roles in exercise, and developing a personalized exercise routine to meet your needs.

SPHE315 Training and Conditioning (3 semester hours)
This course concentrates on the science, planning, management, and analysis of training and conditioning as it relates to the human body. Through a series of assignments and case studies, you will learn the theory of muscle growth and how muscle growth applies to your body. The course will answer many questions including how can you build an impressive, muscular physique using free weights? How, for example, can you customize your workouts according to your body type? And how should diet, including food supplements, factor into your fitness goals?.

SPHE316 Sports and Recreation Facility Management (3 semester hours)
This course prepares students with an interest in pursuing a career in the fast growing industry of sports facility or event management. During the course, students will acquire professional skills that can be applied in a wide variety of career positions. A range of topics include facility financing, alcohol management, crowd management and box office management. Upon completion students will have basic fundamentals to comprehend the field of facility and event management.

SPHE317 Sports Medicine (3 semester hours)
This course in sports medicine explores the causes and prevention of common sports injuries. You will learn the prognosis and treatment of injuries by examining the anatomy of the injured area of the body through diagrams and interactive websites. Each section of the course covers a certain category of injuries; you will learn what sport or particular athlete is more at risk. Each student will be required to submit a course paper on a specific injury that includes case studies from appropriate references. It is recommended that students complete SPHE 421 Kinesiology before enrolling in this course. (Prerequisite: BIOL251)

SPHE318 Coaching Theory and Methodology (3 semester hours)
Students in this course will review Coaching Theory and Methodology within the coaching profession. They will examine theories specific sports teams, including the development of methodologies and the development of a team, principles for coaches to follow and pass on to teams, and the end of competitive careers in organized sports. Guiding questions include: What sport has done for the player and coach? Why is theory and methodology in sport important? How does leadership and strategy play a role? Students will develop a coaching philosophy that will drive their coaching theories and methods. Students will discover that teaching life lessons through sport is vital to the success of their athletes.

SPHE319 Sports and Drugs (3 semester hours)
This course is a broad investigation into the types and categories of pharmacological and nutritional performance enhancing substances used by athletes throughout history to present date. Students will use analytical techniques to identify, compare, and categorize the five major groups of performance enhancing drugs and nutritional supplements. They will discover the origins, physiological effects, prevalence, and usage trends of drug families, and from the information, the student will be able to formulate an understanding as to why certain drugs are used for specific sports, despite illegal consequences. Students will be able to list, define, explain, and fully understand therapeutic drugs, naturally produced hormones, nutritional supplements, cardiovascular enhancements, and stimulants, through individual and collaborative research, discussion, and presentation opportunities. Engaging debate and exploratory discussion options will provide students the chance to critique, appraise, and ultimately formulate individual conclusions surrounding the moral, ethical and social aspects of drug use in sport. Furthermore, students will have the opportunity to examine the legal aspects of drugs in sports, the administrative and political drug control processes, and how organizations have evolved over time, through increased awareness of the need to control or eliminate the use of drugs in sports performance. Students will investigate and explore the numerous current event issues, as well as the athletes, and professionals associated and implicated in the illegal use of drugs in athletic performance.

SPHE320 Nutrition (3 semester hours)
What should you eat? When should you eat it? Why? Nutrition plays an integral part of our daily life. A healthy diet can protect us from a number of diseases including heart disease and cancer. Nutrition also plays an integral part of the athlete's success; often making a difference between success and failure. Improper use of diet and/or ergogenic aids can result in poor performance. Students in this course will explore basic nutrition concepts, gaining an appreciation of the contribution of macro and micronutrients to a healthy diet and gaining an understanding of the importance of these nutrients as performance enhancers. They will identify a number of strategies for making healthy food selections, for integrating these selections into their lives, and for successfully maintaining a healthy diet. These concepts will be reinforced through the analysis of their own diets and the development of several new diets. The impact of excessive or deficient caloric intake on health and body composition will be determined. Finally, dietary supplements and performance enhancers are used by many people. Improper use of these can be detrimental to one's health as well as adversely impact athletic performance. Strategies for identifying and for using good and bad supplements/enhancers will be developed. (Prerequisite: SPHE295).

SPHE323 Sports Conditioning (3 semester hours)
This course will provide the student with the skills necessary to develop an annual training program for athletes of all levels. Emphasis will be placed on the principles of periodization and how to determine the appropriate training program for each sport. The topics of plyometrics, speed, agility, strength and power will be demonstrated in videos and through other course materials. Students will be required to complete a 52 week training plan for an athlete based on the principles of periodization.

SPHE324 Biomechanics (3 semester hours)
Students in this course will use qualitative and quantitative analysis to understand the biomechanics of human movement. This course will focus on biomechanics in sports and how biomechanical evaluation can improve performance and prevent injuries. Through the use of videos and personal observations, students will learn to apply mathematical equations to various sports skills to develop an understanding of how the laws of physics affect performance. Linear and angular kinematics and kinetics will be applied to sport skills. Students will complete a course project which will require the student to observe a sport skill, qualitatively analyze the athlete performing the skill and make recommendations for improvement. It is highly recommended that students complete College Algebra and Physics before taking this course. (Prerequisite: BIOL250 and BIOL251).

SPHE326 Ethics in Sports (3 semester hours)
Students will examine morality and ethical issues pertaining to sport. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. Students will be required to examine their current rules, morals, and philosophies to their career aspirations and reflect on them in an ethical as well situational manner. Students will be immersed in ethical situations through the use of videos and relevant current event articles.

SPHE350 Coaching Baseball Technical and Tactical Skills (3 semester hours)
This course will help you learn how to teach the skills and strategies and techniques and tactics of baseball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, and college coaches.

SPHE351 Coaching Basketball Technical and Tactical Skills (3 semester hours)
This course will help you learn how to teach the skills and strategies, and techniques and tactics of basketball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, college coaches, and advanced coaches at the youth level.

SPHE352 Coaching Football Technical and Tactical Skills (3 semester hours)
Students in this course will explore the techniques and tactical skills within the sport of American Football. Basic offensive, defensive, and special team skills are taught while exploring various teaching strategies for effective implementation. Football is a game that goes well beyond the obvious physical struggle on the field of play. Below the surface is a complex game which calls for strategic learning and specific methods of movement in accordance to the basic laws of physics. Coaching football calls for an understanding of these concepts in addition to strong organizational and instructional abilities. This course is designed for coaches at all levels. For coaches just beginning in the profession or looking to begin in the future, this course will discuss a number of basic areas that are essential to being successful such as coaching philosophy, practice planning, and game preparation. For those individuals that have been coaching for some time, this course will give you a chance to re-evaluate your philosophy, technique, style, and communication ability. In summary, the approach is toward teaching the student the theory, principles, concepts, and practices that can be applied in the dynamic, ever changing, challenging, and rewarding field of coaching football.

SPHE379 Contemporary and Social Issues in Sport (3 semester hours)
Students in this course will use analytical techniques to examine the scope and effect of sport on society. They will explore sociological concepts on how sports and sport participation impact the lives of individuals and groups in a society. Students will explore several significant contemporary issues. These contemporary sport sociology issues will include drug abuse, race, ethnicity, gender inequity, ethics, gambling, and violence. To increase their sociological understanding of sport, students will identify and discuss sociological perspectives about the components of sport and physical activity.

SPHE400 Sports Management Foundations (3 semester hours)
Sports management is evolving at a rapid pace. This course provides an overview of the sports industry and teaches the basics of sport management to future sport managers. Students will explore the sports industry in different segments that will help guide them to what area of expertise they might choose as a career path. Topics will include ethics, finances, high school and youth sports, marketing and legal issues. This course also examines specific industries involving management such as the fitness industry, facility management, sporting goods, and event management.

SPHE405 Sports First Aid (3 semester hours)
Sports First Aid is the recognition and emergency treatment of sports injuries sustained during the participation in a sporting event. Students in this course will learn basic first aid principles in order to provide emergency care to injured athletes. Students will develop a basic knowledge of common sports injuries to be able to administer appropriate sports first aid. This course will introduce the role of the coach as well as other medical professionals that provide first aid to athletes. Focus will placed on techniques and concepts used to treat these sports injuries. Students taking this course will become a competent first aid responder for basic athletic injuries.

SPHE412 Sports Finance (3 semester hours)
Sports Finance will provide students with a vast overview of the financial and contemporary economic issues related to sports, athletes and the sport industry. The course will examine the market power in sports, impact of teams and facilities on neighborhood economics, issues relating to a professional sports lockout as well as the relationship among academics, athletics, and the economy. Contemporary topics will include sports franchises, agents, contracts, sports industry financing, and financial and legal issues.

SPHE413 Sports Marketing (3 semester hours)
This course focuses on the promotions, public relations, and advertising and other marketing functions involved in the multi-billion dollar sports industry. The course provides research, case analysis, and other opportunities to learn of the effective principles, theories, practices, and methods involved with all aspects of sports communications.

SPHE416 Athletic Programs Administration (3 semester hours)
Athletic programs administration focuses on the coach, and their administrative responsibilities of their profession. Coaching goes beyond knowledge of the game, strategies to win or practice design. Coaches and administrators, much like managers in the business world, are decision makers and resource allocators. They make sure player to player and coach relations are operating smoothly. Their duties also include fundraising, facility management, scheduling and maintaining budgets much like any business manager. This course examines the key concepts and skills to becoming an effective sports manager that includes program promotion, leadership, personal organization, public relations and risk management.

SPHE417 Leadership Concepts in Coaching (3 semester hours)
This course will introduce Coaching Leadership on a sports level but show how that leadership can relate to personal, business and everyday successes for individuals. Creating success in the sports arena, a leader has to communicate, to bring a set of individuals together to accomplish one common goal. To be a good leader and coach, one must motivate teamwork and reveal the powerful characteristics of success. Leadership can be universal and used in any walk of life. Coaches are faced with many hurdles to overcome on different levels. The best coaches are able to work through these barriers and develop systems that bring teammates together with a common purpose. Course objectives will be reached by means of selected case studies and focused assignments, reinforced by study of proven coaching leaders.

SPHE420 Exercise Programming and Testing (3 semester hours)
This course is designed for the undergraduate degree in Sports and Health Sciences. Students will combine knowledge from prior classes such as Anatomy, Exercise Physiology, Nutrition and Training and Conditioning and will be prepared to implement their knowledge in a professional setting. Application of basic exercise training principles will be expanded as the course progresses, allowing the student to execute a wide range of personal fitness training principles such as fundamentals of human movement science, client/athlete assessment, exercise training concepts, program design, nutrition and supplementation. This course incorporates advanced exercise programming techniques utilizing the Optimum Performance Training Model (OPT Model) and prepares students for the Certified Personal Training examination offered by the National Academy of Sports Medicine (NASM-CPT). Upon successful completion of this course and with a valid CPR certification students are eligible to sit for this examination. (Prerequisite: BIOL251)

SPHE421 Kinesiology (3 semester hours)
Kinesiology develops a practical understanding of the neuromotor system in relation to anatomical structures responsible for human movement along with their respective functions. Students will learn how to analyze movement and determine specific muscles responsible for a particular movement along with the associated joint action and neural control mechanisms. Students will contrast movements and exercises to determine their appropriateness and fit for specific and common goals in real world settings. Additionally, students will discuss Kinesiology principles and critical concepts as they relate to athletics, rehabilitation, and recreational exercise. The course will also explore how to improve human performance through effective exercise and training program design. Students learn concepts in this course which apply in coaching, athletics, rehabilitation, and fitness settings. (Prerequisite: BIOL251)

SPHE425 Therapeutic Exercise (3 semester hours)
This course examines the physiology of healing as well as exercise protocols for orthopedic and musculoskeletal injuries. The course provides students with a solid foundation of the theory and practice associated with the design, implementation, progression, and supervision of healing and reconditioning programs. Content includes skillful examination of the process of healing and identifying pertinent stages in order to develop evidence based programs. Techniques include progression and sequencing, examination and assessment, and application of soft tissue and joint mobilization; range of motion and flexibility, strength and muscle endurance exercises; balance, coordination and agility activities as well as function return to play exercises for full return to play participation.

SPHE430 Sports Communication (3 semester hours)
An introduction and overview of the field of sport communication; specific topics include models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organization as well as construct their own communications in the field of sport. These goals will be accomplished through writing and discussion assignments, reflective reading worksheets, and a final paper.

SPHE440 Sports Event Management and Planning (3 semester hours)
Sports Event Management and Planning involves a comprehensive overview of the development and implementation process involved with managing a successful sporting event. The student will examine detailed event criteria including time line, budget analysis, sponsorship, event location, staff and consumer management, as well as the development of television and talent contracts. The course shall provide the knowledge necessary to cultivate, organize, and execute any sporting event from a managerial standpoint.

SPHE450 Sports Governance (3 semester hours)
This course will focus on the policies, structure and politics that shape sport at the regional, national and international levels. With a focus on the Olympic movement, the course will also examine the organization and development of amateur and professional sport, including the need for Paralympic Games, Gay Games and Special Olympics. The student will analyze the different membership guidelines, organizational goals, and administrative roles of the many governing bodies as well as learn about the historical politics and boycotts, the international development of sport and the bidding process for an international event.

SPHE455 Ticket Sales Management (3 semester hours)
This course provides training in all aspects of ticket sales including prospecting and qualifying, creating and presenting sales proposals, overcoming objections, and closing sales. Specific techniques such as networking and role playing will be used to prepare students for careers in sport ticket sales. The material is designed to expose students to the standards, principles and practices that can be applied to the ticketing industry at any level by combining knowledge of ticket sales strategies with management of ticket office operations.

SPHE460 Business Aspects of Fitness and Wellness (3 semester hours)
This course provides the student with the tools to pragmatically conduct business within the fitness and wellness industry. The student will develop parameters of management within a business structure including financial, facility, marketing, risk management, leadership, and personnel. No prerequisite.

SPHE461 Current Issues and Trends in Fitness and Wellness (3 semester hours)
This course is designed to explore the growing field of Sports and Health Sciences and its cultural impact on the United States and International health and wellness. The student will gain the tools necessary to assess the fitness, sport, and health industry and its relationship to health and wellness management. No prerequisite.

SPHE490 Senior Seminar in Sports and Health Science (3 semester hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports and Health Sciences. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports and health will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Completion of a minimum of 106 hours towards your program.

SPHE491 Senior Seminar in Sports Management (3 semester hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports Management. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports management will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Prerequisite: Completion of a minimum of 106 hours towards your program.

Supply Chain Management (SCMG)

SCMG201 Principles of Supply Chain Management (3 semester hours)
This course is a study of design, planning, execution, control and monitoring of supply chain activities with the objective of creating net value, building a competitive infrastructure, leveraging worldwide logistics, synchronizing supply with demand and measuring performance globally. As a principles course, it will introduce these components along with their integration into the supply chain. The impact of technology of supply chain management will be examined and its critical role enabling synchronized logistics.

SCMG301 Supply Chain Risk Management (3 semester hours)
This course is a study of the implementation of strategies to manage every day and exceptional risks along the supply chain through continuous risk assessment with the objective of reducing vulnerability and ensuring continuity. Supply Chain Risk Management (SCRM) can be viewed as the intersection of supply chain management and risk management. Topics include: risk concepts, risk management strategies, key components of SCRM including risk resilience, risk appetite, risk response planning, risk compliance and risk governance.

SCMG305 Global Demand Management (3 semester hours)
This course is a study of the demand for goods and services to support the marketplace, prioritizing demand when supply is lacking. Proper demand management facilitates the planning and use of resources for profitable business results. The demand management process weighs both customer demand and firms output capabilities to seek balance between the two. Topics include: demand planning, demand driven supply networks, demand forecasting, demand segmentation and demand side analysis.

Transportation and Logistics (TLMT)

TLMT200 Retail Shipping and Receiving (3 semester hours)
This course introduces the student to retail Supply Chain and Logistics Management with a focus on the shipping and receiving functions to include its nature, scope, and processes. An examination of shipping and receiving functions and the interrelationships among these components of an operational supply chain and related logistics of large retail businesses is provided. Students receive an overview of the role and importance of shipping and receiving within the retail industry with an emphasis on effective management. The contemporary environment of retail shipping and receiving functions are addressed as well as management perspectives, inventory management, and the impacts of technology on providers and users, both domestically and globally. Ultimately, this course is for those seeking retail opportunities in management, supervisory, and/or entry level positions as well as those transitioning into the retail industry.

TLMT201 Retail Transportation (3 semester hours)
Students in this course are introduced to the area of transportation within the logistics field to include its nature, scope, and processes. An examination of the management functions and the interrelationships among the components of operational logistics is provided. Students receive a familiarization of transportation functions within the retail industry. The various aspects of transportation are addressed within the retail supply chain to include modes of transportation, international logistics, import/export, regulations, customer management (selection and negotiating), warehousing and inventory management, and technology. A practitioner approach is used to explore and examine processes, strategies, best practices, issues and trends in retail transportation. This course is for those seeking retail opportunities in transportation management and supervisory opportunities.

TLMT311 Introduction to Transportation Management (3 semester hours)
This course is an overview of the transportation sector, including providers, users and government agencies. It examines contemporary public policy issues, such as deregulation, along with managerial strategies in transportation.

TLMT312 Transportation Economics (3 semester hours)
This course focuses on the micro and macro economic issues associated with international, national, and local transport, logistics, and other issues in the transportation industry. Topics include the economic aspects of rail, water, air, ground, and other transport modes; inventory, and supply.

TLMT313 Supply Chain Management (3 semester hours)
This course is a study of supply chain management from the consumer back to raw materials. The entire process is studied from the standpoint of the leading theory and practice of cutting-edge organizations.

TLMT318 Hazardous Materials Transportation (3 semester hours)
This course is a study of the packaging, transportation, and delivery of hazardous materials. Course topics include container, vehicular, storage, mode, onload/offload, and other considerations associated with hazardous materials transportation.

TLMT331 Fundamentals of Intermodal Transportation (3 semester hours)
This course examines the United States and worldwide commercial freight transportation systems, with an emphasis on international intermodal surface transportation. Modal/intermodal economic and operating characteristics will be surveyed, along with cost, pricing, and regulation of transportation services. In addition, students will be introduced to electronic data interchange (EDI) in commercial transportation and the use of computer software applications in transportation management—all with the goal of providing students with an in-depth understanding of the principles of intermodal transportation systems, a grasp of transportation terminology, and the interrelationship between the Defense Transportation System (DTS) and the global commercial transportation infrastructure.

TLMT341 Logistics Management (3 semester hours)
This course studies the logistics functions of business involved in the movement and storage of supplies, work-in-progress, and finished goods. It examines the trade-offs between cost and service and the purchase and supply of raw materials; the warehousing and control of inventory; industrial packaging; materials handling within warehouses; and the distribution of finished goods to customers required to minimize costs, maximize profits or increase customer service levels. STUDENTS ARE STRONGLY ADVISED TO COMPLETE TLMT311 PRIOR TO TAKING THIS COURSE.

TLMT342 International Logistics Management (3 semester hours)
This course addresses the design and operation of international logistics systems. Topics include export-import issues, multi-national sourcing and distribution strategies, channel management, and comparative transportation systems and policies.

TLMT351 Packaging (3 semester hours)
This course examines the role of packaging marking and labeling as part of the physical distribution process. It examines inner, outer, and intermediate packing, packaging media, dunnage, lading and ISO & non-ISO containers. Topics include: packaging as containment; packaging as a physical barrier, packaging as an impediment to in-transit visibility and handling; packaging as a carrier of arachnids, nematodes and plant and animal life; and contaminated packaging incompatibilities.

TLMT352 Distribution Systems (3 semester hours)
This course addresses the principles and practices of transportation and its role in the distribution process. Topics include the physical transportation system of the United States and its performance; carrier responsibilities and services; economic and legal bases of rates, freight classification and tariffs; public policy regarding regulation; and transportation issues and problems.

TLMT353 Logistics Management and Operations (3 semester hours)
An overview of the general area of logistics, its nature, scope, and process. It is a critical examination of logistics management functions and the interrelationships among strategic support and operational logistics.

TLMT381 Hazardous Materials Management (3 semester hours)
This course will cover the requirements and regulations associated with packaging, handling, storage, transport, and incident response at the operational level for all forms of Hazardous Material. The emphasis will be on the federal regulations and their often-competing goals and contradictory provisions.

TLMT390 Walmart Logistics General Manager Integration Seminar (3 semester hours)
This course is only for Walmart Logistics General Managers and Assistant General Managers either those currently serving or those who have served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the subject areas of public speaking; communication; logistics management and operations with a business focus, human resource management, safety, finance, and asset protection. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above.

TLMT395 Walmart General Transportation Manager Integration Seminar (3 semester hours)
This 16-week course is only for Walmart Logistics General Transportation Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; emergency and disaster incident management; human resource fundamentals and management; management communications; commercial safety; finance fundamentals; logistics management; distribution systems; and logistics management and operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

TLMT405 Best Practices in Reverse Logistics (3 semester hours)
This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

TLMT411 Air Transportation (3 semester hours)
This course covers the history, management and future trends in air transportation. It covers the four principal segments of air transportation: major carriers, regional carriers, all-cargo carriers and general aviation. In each segment, the issues of aircraft design, market share, finance, insurance and operations are discussed. The course analyzes the development and application of national and international regulations that impact air transportation. Topics include: cost structure, air fares, flight crews and safety, environmental impacts of aircraft and airports, operating and service characteristics, technological advances, world competition and intermodal operations.

TLMT415 Airport Operations (3 semester hours)
This course is a study of managerial and leadership issues associated with airport operations, to include human resource, union, commercial, legal, security, air and air support operations, and other issues.

TLMT416 Air Cargo Operations and Security (3 semester hours)

This course provides students with an understanding of air cargo theft and proper control for safety and security of people, the cargo and the environment. This remains the focal point of cargo security management despite the justifiably increased concern for disruptions due to natural catastrophes, accidents and global terrorism. Topics include introduction to cargo security, benchmarking against best practices in the industry and conduct of an effective cargo theft investigation. withWhat are the learning outcomes? At the completion of this course the student will be able to: Assess transportation as a conveyance and evaluate the impact of transportation disruptions on the supply chain.understanding of the role of airport management operations focused on air cargo movement and control through an airport system.

TLMT441 Advanced Business Logistics (3 semester hours)

Business Logistics is the set of activities involved in the flow of materials and products through an organization and through the supply chain to the market. This course examines and applies management tools and principles to these supply and distribution problems. Emphasis is first placed on developing a broad overview of the logistics field: what are its principle activities, decisions and how these activities produce value by supplying customer service through order fulfillment. Interfunctional coordination is reviewed by examining how logistics is coordinated or integrated with marketing and corporate strategy. Next, a thorough grounding in concepts, alternatives and tools for the primary activities of logistics: inventory, transportation, warehousing and order processing are presented. This provides the basis for examining issues in logistics system design, including stocklocation, sourcing, number and location of facilities and flow management. The organizational design of the logistics system across the internal supply chain is examined if time permits.

TLMT442 International Trade and Regulations (3 semester hours)

This course is a study of international trade, to include the theories and practice of international trade and their economic outcomes from both global and local vantages. Topics of the course include free and restrictive trade theories, free trade agreements, general and specialized tariffs, and trade as an arm of foreign and/or domestic policy.

TLMT498 Senior Seminar in Transportation and Logistics (3 semester hours)

This senior capstone course allows students majoring in transportation and logistics to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. Prerequisite: Completion of a minimum of 106 hours towards your program.

Women's Studies (WOMS)

WOMS330 The Black Woman (3 semester hours)
This course examines the black woman in contemporary times, with emphasis on Black women in the United States. Issues covered will include the changing role of the Black woman in society, the image and social constructions of the Black woman, Black women and the workplace, Black feminist thought, as well as Black women and their communities. The role of U.S. public policy in shaping each of these issues will be investigated. Key issues and topics will include analyzing the ways in which race, gender, and class are intertwined, resulting in complex forms of oppression.

Course Materials

The APUS undergraduate book grant provides textbooks or ebooks and other course materials for students enrolled in undergraduate courses for credit. Through our university book grant, textbooks and/or e-books are provided at no charge to students who are earning undergraduate academic credit. However, software and/or lab equipment required for courses in our Electrical Engineering, Environmental Sciences, Natural Sciences, Health Sciences, and Information Technology programs are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please refer to the Student Handbook (http://www.apus.edu/student-handbook/your-academic-success/course-materials) for complete details on course materials.

Note: Federal regulations define certain conditions in which Title IV Federal Student Aid (FSA) eligible students with credit balances are provided a means to obtain required course materials. We will notify qualified students and provide them with the resources to obtain their required course materials, prior to the seventh day of their course. Read our course materials allowance (http://www.apus.edu/student-handbook/your-academic-success/course-materials/course-materials-allowance.html) policy for complete details.

General Education

Philosophy of General Education

The university's general education curriculum provides a broad-based, integrative, and practical learning experience meant to prepare students for responsible civic and cultural engagement in a global context. By completing general education coursework, you will have gained skills and knowledge in arts, humanities, literature, communication, civics, political science, social science, mathematics and applied reasoning, and natural sciences. This level of knowledge and skill helps our students to become effective leaders, creative thinkers, responsible citizens, and ethical decision makers.

The general education categories span six broad areas of study that encompass existing disciplines frequently found in liberal education, while providing the flexibility to explore topics of interest relevant to your degree program. Completion of the courses listed below fulfills the university's general education requirements within all associate and bachelor's degree programs, but your program may have unique requirements. We encourage you to carefully review the course requirements in your academic plan.

Arts & Humanities (6 credit hours)

Courses in the arts, humanities, and literature provide students with the opportunity to analyze and interpret artifacts within the appropriate historical, cultural, economic, social, or religious contexts. Students gain an appreciation for the myriad ways art, music, literature, cinema, theater, media, sports, and other artistic and creative forms of community and self-expression contribute to the production and reception of ideas, and how these shape all aspects of society both within and across cultural boundaries.

Competency: Explain the value and contribution of the humanities in contemporary society.

Code	Title	Semester Hours
ARTH200	Art Appreciation	3
ARTH241	Film and Literature	3
DSIN141	Image Enhancement using Adobe Photoshop	3
LITR201	World Literature through the Renaissance [1]	3
LITR202	World Literature since the Renaissance [1]	3
LITR210	English Literature: Beowulf to18th Century [1]	3
LITR211	English Literature: 18th Century to Present [1]	3
LITR220	American Literature before The Civil War [1]	3
LITR221	American Literature from The Civil War to Present [1]	3
ARAB100	Arabic I	3
ARAB101	Arabic II	3
FREN100	French I	3
FREN101	French II	3
GERM100	German I	3
GERM101	German II	3
JAPN100	Introduction to Japanese	3
MUSI200	Music Appreciation	3
PHIL101	Introduction to Philosophy	3
PHIL110	Critical Thinking	3
PHIL200	Introduction to Ethics	3
PHIL202	Philosophy of Science	3

PORT100	Introduction to Brazilian Portuguese	3
RELS201	Introduction to World Religions	3
RUSS100	Russian I	3
SPAN100	Spanish I	3
SPAN101	Spanish II	3

Civics, Political & Social Sciences (6 credit hours)

Explore cultural, economic, historical, political, psychological, social, or technological systems and issues that have shaped and continue to shape societies around the world. Courses explore trends and issues in globalization, emerging technologies, theoretical and practical models used for understanding local, transnational and transglobal problems, and differences in the ways individuals and societies experience and perceive the world.

Competency: Explain the inter-dependence of cultural, economic, historical, political, psychological, social, or technological systems within and across cultures.

Code	Title	Semester Hours
ANTH100	Introduction to Anthropology	3
ANTH202	Introduction to Cultural Anthropology	3
CHFD220	Human Sexuality	3
COMM211	Social Media and Society	3
COMM240	Intercultural Communication	3
ECON101	Microeconomics	3
ECON102	Macroeconomics	3
ECON201	Microeconomics for Business (Business Majors)	3
ECON202	Macroeconomics for Business (Business Majors)	3
EDUC200	Humane Education: A Global Interdisciplinary Perspective	3
GEOG101	Introduction to Geography	3
HOSP110	Practical Food Safety and Awareness	3
IRLS210	International Relations I	3
LITR204	Contemporary World Culture Through Literature [1]	3
LITR205	Cultural Diversity in Contemporary American Literature [1]	3
POLS210	American Government I	3
PSYC101	Introduction to Psychology	3
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
SOCI220	American Popular Culture	3

Communication: Written, Oral, and Multimedia (8 credit hours)

Communication includes interpersonal, intercultural, and professional exchanges of information, including interactive, social, public and mass exchanges. Categories of communication include digital, oral, and written, as well as engaging in multi-modal forms of communication mediated by technology (new media), popular social media, and traditional and non-traditional public relations.

Competency: Be conversant in one or more forms of communication (digital, written, and oral).

Code	Title	Semester Hours
COMM110	Information & Digital Literacy	2
ENGL110	Making Writing Relevant	3
COMM200	Public Speaking	3
COMM285	Interpersonal Communications (Public Health Majors)	3
ENGL102	Effectiveness in Writing	3
ENGL200	Composition and Literature	3
ENGL220	Technical Writing	3
ENGL221	Scientific Writing	3
ENGL225	Business Writing	3
HRMT101	Human Relations Communication	3
IRLS200	Information Literacy and Global Citizenship	3
ITCC231	Introduction to Information Technology Writing	3
MGMT100	Human Relations	3

History (3 credit hours)

Courses explore cultural heritage around the world in both ancient and modern civilizations. Students will recognize the importance of various historical events in analyzing contemporary, social, political, technological, and economic issues.

Competency: Contemplate and interpret the impact and relevance of various historical events on contemporary issues.

Code	Title	Semester Hours
HIST101	American History to 1877	3
HIST102	American History since 1877	3
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
HIST121	Western Civilization before The Thirty Years War	3
HIST122	Western Civilization since The Thirty Years War	3
HIST221	African-American History before 1877	3
HIST222	African-American History since 1877	3
HIST223	History of the American Indian	3
HIST270	History of Science	3

Mathematics and Applied Reasoning (3 credit hours)

Focuses on the development of quantitative and qualitative logical literacy. Students will prepare for advanced study by practicing analytical concepts and problem solving techniques. This category focuses on the conceptual and theoretical tools students need to make decisions based on the evaluation of data, and to gather, organize, analyze, and draw inferences from information.

Competency: Utilize qualitative and quantitative analysis in addition to scientific reasoning to problem-solve effectively.

Code	Title	Semester Hours
ACCT100	Accounting I	3
ACCT105	Accounting for Non Accounting Majors	3

ENTD200	Fundamentals of Programming	3
MATH110	College Algebra	3
MATH111	College Trigonometry	3
MATH120	Introduction to Statistics	3
MATH125	Math for Liberal Arts Majors	3
MATH225	Calculus	3

Natural Sciences with Lab (4 credit hours)

Provides students with the ability to use the inquiry-based process of science to describe, evaluate, and consider alternative explanations for scientific findings. Students will follow an experimental laboratory process to apply key concepts, facts, and theories about living systems and the physical universe, and use the scientific method and the quantitative tools of science. Students will relate that information to problems of wide global and societal concern.

Competency: Use the inquiry-based scientific process to formulate hypotheses, make observations, design experiments, collect and analyze data, and reach conclusions.

Code	Title	Semester Hours
BIOL133	General Biology I with Lab (Sports and Health Science Majors)	4
CHEM133	General Chemistry I with Lab (Natural Science Majors)	4
PHYS133	Elements of Physics I with Lab (Natural Science Majors)	4
SCIN130	Introduction to Biology with Lab	4
SCIN131	Introduction to Chemistry with Lab	4
SCIN132	Introduction to Human Anatomy & Physiology with Lab	4
SCIN133	Introduction to Physics with Lab	4
SCIN134	Introduction to Astronomy with Lab	4
SCIN137	Introduction to Meteorology with Lab	4
SCIN138	Introduction to Physical Geology with Lab (Environmental Science and Space Studies Majors)	4
SCIN140	Introduction to Environmental Science with Lab	4
SCIN233	Physics I with Lab (Electrical Engineering Majors)	4

1 All literature courses require successful completion of ENGL101 Proficiency in Writing or ENGL110 Making Writing Relevant.

2 Students enrolled in science courses that have a laboratory component are required to complete the associated lab course. Please note that some degree programs specify science courses to fulfill general education requirements, while others allow for a choice of any science course from the list above.

3 SCIN120 - Foundations of Scientific Inquiry Laboratory (1 credit hour) may be used as an introductory laboratory experience for students who have previously completed a course in the natural sciences (biology, chemistry, physics, earth science, or astronomy) and require a laboratory experience to meet the general education natural sciences requirement for their degree. Contact the Transfer Credit Department at CreditAward@apus.edu for information and registration instructions.

The Richard G. Trefry Library

The Trefry Library is an electronic academic library serving students, faculty and staff. It is comprised of thousands of licensed article/scholarly journal databases, books and ebooks, and video collections chosen specifically to support the educational programs at AMU and APU. Students can access the library directly from the classroom or their ecampus page. Faculty access is provided through the classroom and the Faculty Connect portal.

The Trefry Library offers an array of resources and self-help tools like math tutorial videos, streaming film & music, Pronunciator language lab, and information literacy tutorials. We offer information on how to get access to live one-on-one tutoring on a wide variety of subjects, and our Writing@APUS writing reference resource provides supplemental writing support for APUS writers across disciplines.

The mission of the Richard G. Trefry Library is to provide quality resources to support learning across all disciplines. Our goal is to assist students in the development of information literacy skills relevant to the digital era in order to promote research, discovery, and critical thinking. We offer research and reference guidance, using methods of communication that fit the lifestyle of today's students. We support the university's mission by providing virtual access to American Public University System students and faculty worldwide.

Our staff of professional subject matter specialist librarians is available 365 days a year to assist students and faculty with research strategies and website navigation at librarian@apus.edu

Examinations and Proctors

APUS professors use examinations as one method of evaluating student performance during a course. Examinations may be proctored or unproctored, and professors can set any exam so that a proctor is required. Proctors are individuals who ensure the integrity of the examination process by monitoring student work during the exam and verifying that the student complied with exam instructions regarding the use of outside materials, doing his/her own work, etc. If a proctor is required, the student must locate a suitable proctor who will be able to give the student access to a computer for 3-4 hours and who has an email address. Proctors must meet certain qualifications, as described in the Student Handbook section covering the Online Examination Process.

Prior to exam day, the professor will email a password to your proctor. On the day of your exam, your proctor will provide the password and monitor you as you take your final exam online.

Student Learning Outcomes and Assessment

The American Public University System (APUS) has adopted the Lumina Foundation's Degree Qualifications Profile (DQP) framework across its associate, bachelors, and master's degree programs. The DQP framework illustrates students' expected knowledge and skill set upon earning a degree. Based on more than a decade of research across all levels of higher education, the framework defines expected learning outcomes that all graduates need regardless of academic specialization.

The DQP framework is aligned with APUS's mission of providing a quality higher education while preparing students for service and leadership in a diverse, global society. To ensure that AMU and APU students are prepared for success, student learning outcomes are defined at three levels: institutional (outlined in this catalog); degree program (identified in the degree program descriptions on the AMU/APU websites); and course (identified in the syllabi for each course) levels.

Institutional Student Learning Outcomes

AMU and APU students are expected to demonstrate proficiency in the following learning areas upon completion of any academic program in any discipline:

- Applied learning is used by students to demonstrate what they can do with what they know.
- Intellectual skills are used by students to think critically and analytically about what they learn, broadening their individual perspectives and experiences.
- Specialized knowledge is the knowledge students demonstrate about their individual fields of study.
- Broad knowledge transcends the typical boundaries of students in the first two years of higher education and encompasses all learning in broad areas through multiple degree levels.
- Civic learning is that which enables students to respond to social, environmental and economic challenges at local, national and global levels.
- Digital Information Literacy is concerned with responsibly, safely, ethically, effectively and efficiently accessing, evaluating, collaborating, organizing, and distributing information in the digital world. It includes using tools, technologies, techniques, and best practices, to develop responsible and safe consumers and communicators of information in the digital information world to support research and to solve real world problems.

Program Level Student Learning Outcomes

AMU and APU students are expected to achieve student learning outcomes at the **degree program level** upon graduation from a particular degree program. Student learning at the degree program level is assessed through end-of-program capstone experiences to ensure the student has achieved proficiency of the knowledge and skills expected of a professional in the respective discipline. Signature assessments, standardized tests, and rubrics are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the degree program level.

Course Level Student Learning Outcomes

AMU and APU students are expected to achieve **course level** student learning outcomes upon completion of a course. Course developed exams, simulations, case studies, discussion boards, collaborative research projects, and writing assignments are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the course level.

Assessment of Student Learning Outcomes

APUS is committed to student learning assessment and its impact on the quality of teaching and learning. The learning outcomes assessment program at APUS:

- Provides students with useful information about their current skills, knowledge, and competencies.
- Enables the university to evaluate the effectiveness of its academic courses and programs in terms of achieving the desired learning outcomes for its students.
- Is used for continuous improvement at all levels of the institution.
- Ensures that students are prepared for success in work and citizenship in a diverse, global society.

APUS uses a variety of direct and indirect assessment measures to evaluate student learning and improve the quality of teaching and learning at the undergraduate and graduate levels. The assessment of student learning at APUS is guided by the student learning outcomes posted in the catalog, AMU/APU websites, and courses. Student learning outcomes assessment is conducted at the institutional, degree program, and course level, whereby each level is aligned and designed to complement each other; providing a comprehensive view of student learning and the effectiveness of academic programs.

Students are required to participate in learning outcomes assessment activities at APUS and will be given adequate notice of any course and/or non-course related assessment activities they are responsible for completing. APUS is committed to protecting the privacy of its students including ensuring the confidentiality of student work submitted for assessment as well as the feedback resulting from assessment activities. For more information, the APUS Learning Outcomes Assessment website (http://www.apus.edu/community-scholars/learning-outcomes-assessment) establishes the framework for the conduct of student assessment across the institution.

Institutional Student Learning Outcomes

At the Associate level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Describes the scope and principal features of the field of study, citing core theories and practices, and offers a similar explication of a related field	Describes how existing knowledge or practice is advanced, tested and revised	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems (Analytic inquiry)	Describes in writing a case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; evaluates the learning gained; and analyzes a significant concept or method related to the course of study in light of learning from outside the classroom	Describes his or her own civic and cultural background, including origins, development, assumptions and predispositions	Develops an appropriate research question using continual refinements and improvements that includes feedback from classmates and instructor
Illustrates the field's current terminology	Describes and examines perspectives on key debates within the field and in society	Identifies, categorizes and appropriately cites information for an academic project, paper or performance (Use of information resources)	Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question	Describes historical and contemporary positions on democratic values and practices, and presents his or her position on a related problem	Accesses information using simple search strategies and a limited number of familiar search tools

Generates substantially error-free products exhibits, or performances in the field	Illustrates core concepts of the field while executing analytical, practical or creative tasks	Describes how cultural perspectives could affect interpretation of problems in the arts, politics or global relations. (Engaging diverse perspectives)		Takes an active role in the community (work, service, co-curricular activities) and examines civic issues encountered and insights gained.	Evaluates and selects sources using basic criteria such as relevance to the research question and currency of the information
	Selects and applies recognized methods in interpreting discipline-based problems	Presents accurate calculations and symbolic operations and explains their use either in the field of study or in interpreting social or economic trends (Quantitative fluency)			Communicates information from sources accurately
	Assembles evidence relevant to problems, describes its significance, and uses it in analysis	Presents substantially error-free prose in both argumentative and narrative forms to general and specialized audiences (Communication fluency)			Attempts to cite sources using a consistent citation style that is appropriate to the discipline
	Describes the ways in which at least two disciplines define, address and justify the importance of a contemporary challenge or problem				Discusses some of the ethical and legal issues revolving around the consumption and production of information in a digital environment

At the Bachelor's level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Defines and explains the boundaries, divisions, styles and practices of the field	Frames a complex scientific, social, technological, economic or aesthetic challenge or problem from the perspectives and literature of at least two academic fields and proposes a "best approach" to the question or challenge using evidence from those fields	Differentiates and evaluates theories and approaches to complex standard and non-standard problems within his or her major field (Analytic inquiry)	Presents a project, paper, performance or other appropriate task linking knowledge and skills from work, community or research activities with knowledge acquired in academic disciplines; explains how elements were combined to shape meaning or findings; and shows the relationship to relevant scholarship	Explains diverse perspectives on a contested issue and evaluates insights gained from different kinds of evidence reflecting scholarly and community perspectives	Develops an appropriately specific research question or thesis by engaging in independent background research

Defines and properly uses the principal terms in the field, both historical and contemporaneous	Produces, independently or collaboratively, an investigative, creative or practical work that draws on specific theories, tools and methods from at least two academic fields	Incorporates multiple information resources in different media or languages in projects, papers or performances, with appropriate citations; and evaluates the relative merits of competing resources with respect to clearly articulated standards (Use of information resources)	Formulates a question on a topic that addresses more than one academic discipline or practical setting, locates appropriate evidence that addresses the question, evaluates the evidence in relation to the problem's contexts, and articulates conclusions that follow logically from analysis	Develops and justifies a position on a public issue and relates this position to alternative views within the community or policy environment	Accesses information using a variety of search strategies and search tools, refining searches as appropriate
Demonstrates fluency in the use of tools, technologies and methods in the field	Explains a problem in science, the arts, society, human services, economic life or technology from the perspective of at least two academic fields, explains how the methods of inquiry and research in those disciplines can be brought to bear, judges the likelihood that the combination of disciplinary perspectives and methods would contribute to the resolution of the challenge, and justifies the importance of the challenge in a social or global context	Constructs a cultural, political or technological alternate vision of either the natural or human world through a written project, laboratory report, exhibit, performance or community service design; defines the distinct patterns in this alternate vision; and explains how these patterns differ from current realities (Engaging diverse perspectives)	Completes a field-based assignment in the course of study that employs insights from others; evaluates a significant question in relation to concepts, methods or assumptions in at least one academic field; and explains the implications of learning outside the classroom	Collaborates in developing and implementing an approach to a civic issue, evaluates the process and, where applicable, weighs the result	Evaluates and selects sources using multiple criteria, including relevance, currency, authority, and purpose

Evaluates, clarifies and frames a complex question or challenge using perspectives and scholarship from the student's major field and at least one other	Translates verbal problems into mathematical algorithms, constructs valid arguments using the accepted symbolic system of mathematical reasoning, and constructs accurate calculations, estimates, risk analyses or quantitative evaluations of public information through presentations, papers or projects (Quantitative fluency)	Communicates, organizes, and synthesizes information from sources to achieve a specific purpose that goes beyond summarizing those sources
Constructs a project related to a familiar but complex problem in the field of study by assembling, arranging and reformulating ideas, concepts, designs or techniques	Constructs sustained, coherent argument or presentation on technical issues or processes in more than one language and in more than one medium for general and specific audiences; and works through collaboration to address a social, personal or ethical dilemma (Communication fluency)	Quotes, paraphrases, and cites information correctly and consistently, with very few citation errors and misinterpretations/ misuses of source material
Constructs a summative project, paper or practice-based performance that draws on current research, scholarship and/or techniques in the field		Clearly articulates several ethical and legal issues revolving around the consumption and production of information in a digital environment

At the Master's level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Elucidates the major theories, research methods and approaches to inquiry, and/or schools of practice in the field; articulates relevant sources; and illustrates their relationship to allied fields	Articulates how the field has developed in relation to other major domains of inquiry or practice	Disaggregates, adapts, reformulates and employs in an essay or project principal ideas, techniques or methods at the forefront of the field (Analytic inquiry)	Creates a discrete project, paper, exhibit, performance or other appropriate task reflecting integration of knowledge acquired in practicum, work, community or research activities with knowledge and skills from at least two disciplines representing different segments of the curriculum (e.g., computer science and anthropology); documents the sources of the knowledge and skills reflected in the integration; articulates in writing how these elements influenced the resulting product; and assesses the significance of the work in light of major debates or developments in the primary field(s)	Assesses and develops a position on a significant public policy question in the student's field, taking into account scholarly and community perspectives	Effectively develops a focused and sophisticated research question or thesis that engages with questions and ideas that are important to scholars in the discipline

Assesses the contributions of major figures and organizations in the field; describes its major methodologies and practices; and implements at least two such methodologies and practices through projects, papers, exhibits or performances	Designs and executes an applied, investigative or creative work that draws on the perspectives and methods of other fields and assesses the resulting gains and difficulties	Provides adequate evidence through papers, projects, notebooks, computer files or catalogues of expanding, assessing or refining either a recognized information resource or an information base within the field (Use of information resources)	Creates, designs and implements a performance or project in an out-of-class setting requiring application of advanced knowledge to a practical challenge; articulates insights gained from the field experience; assesses, with appropriate citations, selected approaches or scholarly debates applicable to the problem; articulates a reasoned judgment on selected issues in the field; and assesses standards for professional performance and continuing development with specific reference to the experience		Accesses information using effective, well-designed search strategies and search tools that are most appropriate for the specific topic, efficiently and creatively refining searches on the fly as needed
Articulates major challenges involved in practicing the field, elucidates its leading edges, and delineates its current limits with respect to theory, knowledge and practice	Articulates and defends the significance and implications of his or her specialized work in terms of challenges, trends and developments in a social or global context	Address in a project, paper or performance a core issue in the field from the perspective of a different point in time or a different culture, political order or technological context, and elucidates how the perspective contributes to results that depart from current norms, dominant cultural assumptions or technologies (Engaging diverse perspectives)			Evaluates and selects a comprehensive set of sources to engage with that are appropriate to the discipline and the scope of the research question, using multiple criteria to assess relevance, currency, authority, accuracy, purpose, audience and ideological perspective

Initiates, assembles, arranges and reformulates ideas, concepts, designs and techniques in carrying out a project directed at a challenge in the field beyond conventional boundaries	Not seeking a degree in a quantitative field employs and applies mathematical, logical or statistical tools to problems within the field in a project, paper or performance, while the student seeking a degree in a quantitative field articulates and undertakes multiple appropriate applications of quantitative methods, concepts and theories (Quantitative fluency)	Clearly and effectively communicates, organizes, and synthesizes complex and often contradictory information from sources and/ or independent experiments and other data collection strategies to advance knowledge in the discipline
	Creates sustained, coherent explanations and reflections on the student's own work in two or more media or languages to both general and specialized audiences (Communication fluency)	Quotes, paraphrases, and cites information correctly and consistently, always using information in ways that are true to the original context
		Analyzes some of the more advanced ethical and legal issues revolving around the consumption and production of information in a digital environment, such as ongoing controversies about topics such as fair use and privacy in social networking environments

At the Doctoral level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Makes judgments about the merit and efficacy of relevant theories, approaches and concepts of the discipline	Articulates and defends the use of theories, approaches, and concepts relevant to the discipline in a professional and academic setting	Judges the appropriate use of qualitative and quantitative methodologies in the discipline	Applies theories, concepts, and appropriate methods to both real world and simulated real world examples	Analyzes and gains an appreciation for the decision making, beliefs, language, culture and psychology of foreign actors	Demonstrates advanced digital information literacy skills in research and knowledge promulgation, and defends choices made
Makes informed judgments about issues and challenges related to the discipline	Defends research, positions, and judgments made about issues and challenges in a professional and academic setting	Communicates in the style of the discipline in oral and written form	Judges the work of peers and demonstrates ethical and professional behavior in group projects	Reflects upon and analyze lessons learned from partaking in simulated real world, and real world exercises	
	Articulates the development and current academic and professional practice of the discipline	Abides by ethical and professional standards			
	Integrates theories, approaches, concepts, methods, and analysis, and contributes to the body of knowledge in the discipline				

Application and Registration Process

The university's admissions team is comprised of dedicated staff members who work to support you from the first time you request information about the university through completion of your first 8- or 16-week session here. The team provides you with guidance on enrolling in a program, understanding policies and procedures, and also acts as your liaison with financial aid, student services, and other departments at the university. If you have any questions, an admissions team member is ready to help!

Need to speak with a team member?

Admissions representatives are available Monday - Friday from 8 a.m. to 9 p.m., and Saturday - Sunday from 10 a.m. to 6 p.m. All hours are Eastern Time (ET). You can reach us by phone at 877-755-2787 or email at info@apus.edu.

Application and Registration Process

Before becoming a new student at APUS, you will need to complete the online application, review APUS policies and procedures, and declare your academic goal. This process provides you with the opportunity to review your rights and responsibilities and become familiar with key policies at our institution.

Upon completion of the admission application, you will receive a student ID and an admissions representative will be assigned to you to assist you with the enrollment process.

Please note: you are required to declare an academic program prior to registration. If you plan to take courses here for personal knowledge or to transfer to other universities, please select "Non Degree Seeking" on the admission application.

Admissions Criteria and Status

Undergraduate Admissions Criteria

- You must have at least a high school diploma or equivalent (i.e. GED, international high school equivalent, etc.) to apply to the University.
- Please be prepared to submit a legible copy of your valid government-issued photo ID (civilian students) or government issued JST or CCAF transcript (military students) upon request.
- You may be required to fulfill additional admission requirements based on the program you select during the admission application.
- You may be asked to complete our College Readiness Assessment. If you have previously earned 9+ hours of college credit, please contact us about waiving this requirement.
- If you are a transfer student, you will be asked to submit your transcripts from any other schools where you earned college-level academic credit.

Admissions Status

You will be admitted to the University after you have submitted the online application for admission, completed the College Readiness Assessment (http://www.apus.edu/student-handbook/your-admission-to-apus/getting-admitted-to-apus/general-admissions-policies.html) (if required), and verified that you meet any additional admission requirements per your intended program. After you are accepted to the University, there are often documents that will need to become part of your student record. An admissions representative is available to walk you through all the follow-up steps and discuss any documentation you will need to submit to get started.

Equal Opportunity

The University is committed to equal opportunity in student admissions, financial assistance, and other policies and procedures without regard to age, sex, race, color, religious belief, national origin, status as a qualified person with a disability or handicap, marital status, or sexual orientation. All interested individuals are encouraged to apply. Admissions questions should be emailed to info@apus.edu.

Course Registration

You may register for courses when you have been admitted to the University. If you are using Federal Student Aid to pay for school, you will need to select an academic year prior to registering for courses.

Transfer Students

If you have credits to transfer from another university, you may wish to wait until after you have submitted your transfer credit evaluation form and the process is complete before you register for courses.

General Education Courses

We do not list any faculty names for our general education courses, as the assignment of faculty to each section is not finalized until after registration closes. We open up general education sections very quickly as each section fills. This helps us to ensure that we have a balance of students in each section. It also helps to ensure that you will almost always be able to register for a general education course when you desire.

Tuition, Fees, and Financing

We understand that choosing where to start or continue your college education comes with some level of uncertainty, which is why we offer easy-to-understand tuition rates, low-cost fees with no surprises, and plenty of help with financial aid. As you'll quickly discover, our competitive tuition rates make earning your degree here not only a smart investment in your future, but a responsible financial decision.

Tuition and Fees

The University System operates nearly exclusively through tuition revenue and provides affordable education. The following is the current tuition/fee schedule:

Tuition

Tuition Rates per Credit Hour:

- Undergraduate: $270 | $250 for military-affiliated students*
- Graduate: $350 | $325 for military-affiliated students*
- Audit: $100

8- and 16-Week Sessions	2 semester hours	3 semester hours	4 semester hours
Undergraduate Academic Credit	$540	$810	$1080
Graduate Academic Credit	N/A	$1050	$1400
Audit	$200	$300	$400

Military-Affiliated Grants

Military-affiliated students receive a tuition grant that caps undergraduate tuition at $250/credit hour and graduate tuition at $325/credit hour. This grant is for U.S. active-duty servicemembers and their spouses/dependents, Guard, Reserve, and veterans.

Fees

Admission Fee	$0
Registration Fee	$0
Late Registration Fee	$50
Technology Fee - Active Duty Military, National Guard, or U.S. Military Reservist[1]	$0
Technology Fee - Courses other than ENGR and ELEN[1]	$50
Technology Fee - ENGR and ELEN courses[1]	$100
Average Undergraduate Course Materials (per course)	$0
Average Graduate Course Materials (per course)	$100
Completion Fee: Certificate	$25
Graduate Comprehensive Exam	$250
Graduation Completion Fee for most degrees	$100
Transcripts (each):	
Official electronic	$10
Official paper	$20
Unofficial electronic	$5

[1] Per Course

Satisfactory Academic Progress (SAP)

Students must maintain Satisfactory Academic Progress (SAP) to receive Federal Student Aid.

According to Federal Regulations, students who fail to make satisfactory progress towards their degree or certificate will lose their ability to receive Federal Student Aid.

- This regulation applies to all students, including those that have not previously received financial aid.
- Students who lose their aid may appeal the loss provided there are mitigating circumstances that inhibited their academic progress.
- If mitigating circumstances do not exist, you may take classes at your own expense to demonstrate improvement for a future appeal.
- To otherwise restore eligibility, students must achieve the GPA and hours target as defined in the policy.

Our university system evaluates SAP at the beginning of each semester, defined as a 16-week period of academic study, and prior to the student receiving FSA for the first time at our university.

- APUS may grant administrative waivers or probationary terms (i.e., grades are not posted before the start of the next term in consecutive terms).
- The requirements of each criterion must be met and are described in detail below: There are three criteria used to measure Satisfactory Academic Progress:
  - Grade point average (qualitative)
  - Credit hour completion (quantitative)
  - Program deadline

Grade Point Average (GPA)

GPA is the qualitative measure of SAP, meaning that it looks at the quality of the grades that each student earns in their courses.

- GPA for financial aid eligibility is reviewed after 6 undergraduate credits or 6 graduate credits are completed at APUS.
- Evaluation thereafter occurs in the segments listed in the table below. Only credits completed at APUS with a final grade of A through F are included in the GPA calculation.
- To meet SAP requirements, students must maintain a GPA that meets or exceeds our minimum as shown in the chart below.
- Students who fail to meet GPA requirements also fail to meet SAP requirements and will be denied Federal Student Aid (Information on Loss of FSA Eligibility is located under Policies and Procedures for Award of FSA.).

*Credits transferred in from another college or university via an official Transfer Credit Evaluation are factored into the calculation of how many credits a student has completed in determining the minimum GPA threshold from the chart.

SAP Criteria Based on Cumulative GPA (CGPA) and Credits Completed - Effective 4/1/2015

Class Level	Total Credits Completed (including transferred credits[1])	Minimum CGPA Required for Financial Aid
Undergraduate Students	6-12	1.50
	13+	2.00
Graduate Students	6-9	2.50
	10+	3.00

[1] Credits transferred in from another college or university via an official Transfer Credit Evaluation are factored into the calculation of how many credits a student has completed in determining the minimum Cumulative GPA threshold from the chart.

- An undergraduate student with no transfer credits must have a minimum Cumulative GPA of 1.5 once they have completed their first 6 credits at APUS.
- A student who transferred in 9 credits, and then completed 6 credits at APUS, must have a minimum Cumulative GPA of 2.0 (9 transfer credits plus 6 credits completed equals 15). As noted in the chart above, any student with more than 13 credit hours must maintain a 2.0 cumulative GPA. The calculation of a student's CGPA only includes grades from courses completed at APUS.

Credit Hour Completion

Credit hour completion is the quantitative measure of SAP, meaning that you must complete a certain percentage of your courses to maintain eligibility for Federal Student Aid.

- Each academic program within our university system has a defined number of credit hours required for completion.
- A student must complete his/her program within 150% of the published credits. Examples:
  - If your program requirements are 120 credits, you must satisfy all requirements of your program without having to attempt more than 180 credits.
  - If your program requirements are 18 credits, you must satisfy all requirements of your program without having to attempt more than 27 credits.
- Courses with a final undergraduate grade of A through D- or a final graduate grade of A through C will be counted towards credits completed.
- Final grades that fall below the minimums (D- for undergraduates and C for graduates) are not counted as credits completed but will be used to determine credits attempted.
- Students who withdraw from a course are considered as having attempted the course.
- Students who drop a course are not considered as having attempted the course.
- Courses with grades of incomplete ("I") will not be counted as attempted until a final grade is earned by the student or the Registrar or instructor converts the "I" grade to an "F."
- Remedial courses do not count towards attempted credits.
- Any course in which the student remains beyond Week One will count towards attempted courses regardless of the grade received.
- Repeated courses will count as attempted courses.
- To maintain SAP, students must achieve a minimum percentage of credits earned versus credits attempted.

SAP Criteria Based on Credits Attempted versus Credits Completed

Class Level	Credits Attempted	Credits Completed %
Undergraduate Students	6-12	50%
	13-24	60%
	25-36	65%
	37+	67%
Graduate Students	6-9	50%
	10-18	60%
	19+	67%

Credits transferred from another college or university are included in determining the credits completed percentage for the quantitative measure - completed hours divided by attempted hours. Likewise, the total of APUS and transfer credits that a student has from another college or university will be added to determine where they fall on the chart above.

Drop/Withdrawal/Refund and Extension Policies

Tuition refunds are given for courses taken for academic credit under the guidelines listed below. Students registered for a course are expected to complete all scheduled requirements (as listed in the classroom's course syllabus) within the allotted time frame. Students experiencing difficulties that prevent them from completing their coursework on time should discuss their situation with their instructor. In extreme situations, they may wish to consult the Student Handbook to determine whether they should submit a formal request for a course extension or withdraw from the course entirely. Procedures for both actions are explained in the Student Handbook. Students who elect to submit a request for a course extension forfeit the option to withdraw from the course, but in most cases, a course extension is preferable because it allows time for students to complete the course and advance towards their academic goals.

In addition, a course drop or withdrawal will reduce the number of courses and credit hours being taken during the semester. Changes to enrollment may have a negative impact on students' eligibility for financial aid. Required forms are available in the Online Campus.

If a student decides to drop from a course, the online Drop/Withdrawal from Course form must be submitted during the first week of the course. APUS will not consider appeals for a penalty-free drop after the first week of the course has ended because of late book arrival or deployment papers that were received prior to the course start date, as it is the student's responsibility to drop the course on time.

If a student earning academic credit submits an online Drop/Withdrawal from Course form after the first week of the course, s/he will be withdrawn and will receive a grade of "W" as long as the withdrawal was requested during the allowed timeframe. A "W" grade does not carry a grade point value and has no effect on the student's cumulative APUS GPA.

Course Withdrawals may be requested after the start of the second week until the beginning of the last week of the course. Any requests to withdraw from the course after the final week has started or during an extension must be made in writing and sent to appeals@apus.edu. The date of withdrawal will be the date the request is received. Refunds are processed as follows:

- APUS refunds 100% of tuition for course drops occurring before or during Week 1 of a course taken for academic credit or as an Audit.
- After a course begins, refunds will be based on the weekly course schedule.
- Go Army Ed Students: The withdrawal date in Go Army Ed is considered by the Army to be the withdrawal date of record for refund purposes.

Please find the appropriate semester-length on the Refund Schedule to determine your refund. Students should allow 30 days for the processing of tuition refunds.

2-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

8-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Weeks 5 through 8	No Refund

16-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Weeks 1 or 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 through 16	No Refund

Military TA Refund Schedule

This refund schedule is applicable to all eligible Active Duty, National Guard, and Army reserve soldiers who have paid for all or a portion of their courses with Military Tuition Assistance (TA) benefits.

2-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

8-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Week 5	40%
During Weeks 6 through 8	No Refund

16-Week Course - Tuition Refund Schedule

Withdrawl Request Date	Tuition Refund Percentage
Before or During Weeks 1 and 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 and 10	40%
During Weeks 11 through 16	No Refund

Financial Assistance

APUS offers several educational financing options including Federal Student Aid, grants and loans, alternative loans, and an automatic debit payment plan. Students are encouraged to begin their application process by establishing a Federal Student Aid (FSA) Academic Year online and entering the online Financial Aid Office at least 21 days prior to the start of the semester. Additionally, APUS is authorized to accept funds from the U.S. Department of Defense Tuition Assistance (TA) programs as well as the Veterans Administration GI Bill® programs (including REAP and Vocational Rehabilitation). Students employed in the private sector should consult with their Human Resources department regarding employer-based tuition assistance programs.

Automatic Debit Plan (ADP)

The University System offers an Automatic Debit Plan (ADP) to enable students to spread tuition payments over time by having them automatically charged to a credit card on a preset schedule. The amount and number of payments is proportional to the length of the course. Students in 16-week courses make four ADP payments. Students in 8-week courses make two ADP payments. To be eligible for the ADP plan, the student must be registered for credit-bearing courses. Audit students are not eligible for ADP.

ADP Schedules

16-Week ADP Schedule

Upon Registration	1/4 tuition due + technology fee
15th of Session's First Month	1/4 of tuition due (i.e., for May 5th course, payment due 5/15/XX)
15th of Session's Second Month	1/4 of tuition due (i.e., for May 5th course, payment due 6/15/XX)
15th of Session's Third Month	1/4 of tuition due (i.e., for May 5th course, payment due 7/15/XX)

8-Week ADP Schedule

Upon Registration	1/2 tuition due + technology fee
15th of Session's First Month	1/2 tuition due (i.e., for May 5th course, final 1/2 due 5/15/XX)

ADP Late Payments

If a credit card is declined, the student will be notified to immediately contact stuaccounts@apus.edu and make the payment. If payment is not received, the student's account is placed on “balance due hold”.

Veterans Benefits Information

Applying for Benefits

Students interested in applying for VA Educational benefits should complete an application for benefits on the VA website, www.benefits.va.gov/gibill. (http://benefits.va.gov/gibill) Please note, the VA Certifying Official's (VACO) at APUS cannot determine if you are eligible for VA Educational Benefits. The Department of Veterans Affairs may approve or deny benefits, based on the information provided on the application.

If you have never applied for VA Benefits

Students who have never completed an application for VA Benefits should complete the online application, VA Form 22-1990, using the VA's online application (https://www.vets.gov/education/apply-for-education-benefits). Your application will be electronically submitted to the VA Processing Center.

Please print your application and confirmation page for your records, prior to completing the online application. Once the VA has completed review of your application, the VA will mail you a Certificate of Eligibility (COE), outlining the chapter benefit you are entitled to and the number of months of benefit you can use. A copy of the COE is not submitted to the school. APUS requires students to fax, 877-480-4236, or email, VAQuestions@apus.edu, (VAQuestions@apus.edu) a copy of your COE to the school.

If you have previously used VA Benefits

Students who have used VA benefits at another institution or have changed their academic program of study with APUS should complete the Request for Change of Program or Place of Training application, VA Form 22-1995, using the VA's online application. (https://www.vets.gov/education/apply-for-education-benefits) Your application will be electronically submitted to the VA Processing Center.

Please print your completed 22-1995 form for your records, prior to completing the online application. A copy of the 22-1995 form is not submitted to the school. APUS requires students to fax, 877-480-4236, or email, VAQuestions@apus.edu, (VAQuestions@apus.edu) a copy of your 22-1995 form to the school.

If using the Post 9/11 GI Bill®, Chapter 33, you will also need to include a copy of your COE along with the 22-1995.

If you are transferring or receiving transferred benefits

Students who are receiving benefits transferred to you by a service member (Chapter 35) will need to complete a 22-5490, (https://www.vets.gov/education/apply-for-education-benefits) Application for Survivors' and Dependents' Educational Assistance. The completed form will need to be sent to the St. Louis Regional Processing Office for processing.

If you have been transferred Chapter 33 benefits, the VA will send you a Certificate of Eligibility, which will need to be submitted to APUS. Please see the Chapter 33 process for more information.

Applications for VA Benefits

- For most prompt form processing, please complete your application for VA benefits here. (https://www.vets.gov/education/apply-for-education-benefits)
- If you have never used VA Benefits, please complete the 22-1990. (http://www.va.gov/vaforms/search_action.asp?FormNo=1990&tkey&Action=Search)
- If you have previously used benefits or have changed your program, please complete the 22-1995 (http://www.va.gov/vaforms/search_action.asp?FormNo=1995&tkey&Action=Search).

- If you are transferring Montgomery GI Bill® (Chapter 35) to a spouse or dependent, please complete the 22-5490. (http://www.vba.va.gov/pubs/forms/VBA-22-5490-ARE.pdf)
- If you are using Chapter 35 and you have changed your program or place of training, please complete the 22-5495. (http://www.vba.va.gov/pubs/forms/VBA-22-5495-ARE.pdf)
- If you are transferring Post 9/11 GI Bill® (Chapter 33) to a spouse of dependent, please complete the 22-1990e. (http://www.vba.va.gov/pubs/forms/VBA-22-1990e-ARE.pdf)

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VA Enrollment Information

Enrollment verification cannot be submitted until the APUS Military Assistance Office receives a copy of your completed VA paperwork and you have successfully enrolled in a class. Once your paperwork is processed and you have started classes, the VA Certifying Official will electronically submit your Certification of Enrollment (22-1999). All VA enrollment verifications will be submitted after the session drop period, beginning the second week of your course. Once your enrollment has been submitted, you will receive an email from the VA as verification.

WAVE Enrollment Verification

The VA requires that students using GI Bill® benefits (excluding Ch. 33) verify their enrollment monthly. Verification begins the last day of the month of the courses you are enrolled in. Students will not receive VA benefits if they do not verify through WAVE. Please note, it may take up to 6 weeks for your enrollment information to be available in WAVE. To verify attendance through WAVE, please click here (https://www.gibill.va.gov/wave) or call the VA at 1-877-823-2378.

Using Tuition Assistance and GI Bill ®

Federal law prohibits Active Duty servicemembers from receiving VA benefits for the same course tuition that is being paid by Military Tuition Assistance. Effective November 2014, the Department of Defense announced that they will no longer authorize Tuition Assistance for classes for which a member is also receiving benefits under the Montgomery GI Bill® – Selected Reserve program (Ch. 1606), Reserve Educational Assistance Program (Ch. 1607), or any other GI Bill® program other than the Montgomery GI Bill® – Active Duty program (Ch. 30) or the Post-9/11 GI Bill® program (Ch. 33). Active Duty servicemembers who are eligible for Ch. 30 benefits can use non Active-Duty TA in conjunction with VA benefits. For students using Ch. 33 benefits, TA must be applied to the registration first, and any remaining tuition can be certified under the Ch. 33 benefit.

VA Top-Up Information

The Top-Up benefit may be used when a student is using Active Duty federal tuition assistance and the course cost will not be completely funded by TA. TA Top-Up may be used for Chapter 30 & 33 only. Students who wish to apply for TA Top-Up should contact VAQuestions@apus.edu to request a TA Top-Up Request Form. APUS will submit an enrollment to the VA to include the amount of tuition and fees' remaining after all TA funding has been reduced. **Please note**, the use of Top-Up will exhaust a portion of your GI Bill® benefits. The amount exhausted depends on the chapter benefit being used and the time length of the courses.

VA Payments

Students using Chapters 30, 32, 35, 1606, and 1607 will receive monthly payments from the VA based on their enrollment status each month enrolled in courses. The VA makes payments based on your monthly attendance and not semester attendance. Payments are sent from the VA by direct deposit or check after you have verified your monthly attendance through WAVE. APUS requires students using Chapters 30, 32, 35, 1606, and 1607 to make payment arrangements with the university prior to the start of courses. A 22-1999 Enrollment Verifications **will not** be submitted until payment arrangements have been finalized.

Tuition and Fees for Chapter 33 is paid directly to APUS. If students are not receiving the 100% benefit rate, payment arrangements will need to be made with the university prior to course access. Current VA payment rates may be viewed here. (http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp)

Basic Allowance for Housing (BAH)

Beginning for courses starting on or after 1 October 2011, students (other than those on Active Duty) will receive a housing allowance for courses solely in distance learning with the Chapter 33 benefit. The housing allowance payable is equal to ½ the national average BAH for an E-5 with dependents. A student **must** be enrolled at a rate of pursuit greater than half time (.51%) to receive this benefit. Please remember, the housing allowance is pro-rated based off your enrollment status, percentage of eligibility, and dates of course enrollments. Current VA payment rates may be viewed here (http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp).

Using VA Benefits at Multiple Institutions

The VA requires students to declare an institution in which they will receive a degree or certification. VA benefits cannot be used at multiple institutions without declaration of a primary school and subsequent secondary school. For more information regarding using benefits at APUS and another institution, please contact VAQuestions@apus.edu. (VAQuestions@apus.edu)

VA Consent to Enrollments Submitted

When a student selects a VA payment option (Ex. Ch. 33 payment) at the time of registration, you are consenting that you wish to have your enrollment for that particular course(s) submitted to the VA on your behalf. Students who register selecting a payment other than VA will be prompted for consent at the time of registration to have the course(s) submitted to the VA on your behalf. Students who register prior to submitting VA documents to APUS may be required to complete a VA Consent Form to identify courses or terms students would like to have submitted to the VA.

Submitting Enrollments to the VA (VA 22-1999)

APUS will submit all enrollments to the VA electronically, beginning after the course drop period (second week of courses). Once your enrollment has been submitted to the VA, you will receive an automated email from the VA notifying you that the enrollment has been received.

Change of Academic Program

When a VA Student changes their academic program with APUS, the VA will be updated electronically of the change in academic pursuit. A credit evaluation will be completed by APUS for the new program and any credits that are applicable towards the new program of study will be applied. When registering for courses within the new program, students must continue to consent to APUS submitting the new program enrollments to the VA on your behalf.

Yellow Ribbon Program

The Yellow Ribbon Program is an agreement between the VA and participating institutions to cover all or a portion of tuition and fees charged after a student has exceeded the maximum benefit rate. APUS is a Yellow Ribbon participating institution. Please click here (http://www.benefits.va.gov/gibill/yellow_ribbon.asp) for more information about Yellow Ribbon. Contact us for questions about this program at VAQuestions@apus.edu.

Course Drops/Withdrawals

Any course submitted to the VA that is dropped or withdrawn from, a 22-1999 enrollment verification will be sent to the VA by the school VACO within 30 days of the change of enrollment. VA enrollments will be adjusted or terminated as of the date of student drop/withdrawal. A drop/withdrawal after the first date of the term may result in a VA request for repayment of BAH, Books/Supplies, or tuition from the student as of the date of the enrollment change.

Mitigating Circumstances

Mitigating circumstances are circumstances beyond the student's control that prevent the student from continuing in school or that cause the student to reduce credits. The VA requires schools to document potential mitigating circumstances. Any withdrawal with a mitigating circumstance selected will require additional documentation of the mitigating circumstance to be submitted to APUS prior to the mitigating circumstance being reported. For more information on mitigating circumstances, please click here. (https://gibill.custhelp.com/app/answers/detail/a_id/1565/kw/mitigating%20circumstances) If mitigating circumstances cannot be validated, the VA may request repayment of BAH, Books/Supplies, or tuition from the student, as of the first date of the term.

Graduations

When a VA Student has successfully completed the requirements for the program of study and has officially conferred the program of study, APUS will report the student's graduation to the VA via electronic certification. All Chapter 33 students will have the mandatory graduation fee accessed by APUS added to the last VA enrollment submitted for the program being conferred.

Graduate Capstone/Practicum Courses

University policy states Capstone and Practicum Courses must be the last course of your degree program and may be taken only after the completion of all course work. Additionally, no concurrent coursework is permitted. Accordingly, as a program advisory notice, Capstone/Practicum courses are only offered in 16 week sessions. Department of Veterans Affairs (VA) regulations state students must have a rate of pursuit greater than 50% in order to be eligible to receive BAH. The VA will cover course tuition and fees up to the percentage for which you are eligible. However, your course load will not qualify you for BAH.

Graduate Comprehensive Exam Courses

University policy states the Comprehensive Exam Course must be the last course of your degree program and may be taken only after the completion of all course work. Additionally, no concurrent coursework is permitted. Accordingly, as a program advisory notice, Comp Exam courses are only offered in non-credit, pass/fail 8 week sessions. Department of Veterans Affairs (VA) regulations state students must have a rate of pursuit greater than 50% in order to be eligible to receive BAH. The VA will cover course tuition and fees up to the percentage for which you are eligible. However, your course load will not qualify you for BAH. Your enrollment will be reported as one credit hour.

Course Extensions

Please note that if you are granted a course extension from your professor, you will **not** receive VA benefits during the extension period. The VA will automatically discontinue benefits on the day after your original term ending date. Benefits will not start until a new course has been enrolled and the verification has been sent to the VA. Submission of a course extension for VA benefits will likely result in an overpayment to the student and will require future repayment.

Academic Probation / Unsatisfactory Academic Progress

VA requires institutions to report veteran students who are not meeting an institution's academic standards. When APUS is made aware of a VA Student no longer meeting academic standards, notification will be electronically submitted to the VA on the student's VA record.

Excessive Credits

Students who are using VA benefits for courses may not register for courses that are not applicable to the current program of study. Any courses that are deemed not applicable to the current degree program will be considered excessive credits and an enrollment for the courses will not be submitted.

Prior Credits

The VA requires that all prior credit must be evaluated by APUS prior to a student's initial enrollment. Students must identify any prior credit that has been earned. Additionally, a Joint Services Transcript or Community College of the Air Force transcript must be received by APUS for all students who will be using VA benefits for any courses with APUS. Students who are currently having prior credits evaluated are strongly encouraged to register only for courses in which they know they will not receive prior credit. If prior credit is later given for a course a student is currently taking, APUS must terminate the enrollment, as this would constitute excessive credits. Terminations of enrollment will likely result in a reduction in BAH and/or books and supplies payment for the course/term a prior credit was awarded.

Courses for Transfer Programs

Students who are enrolled in an Undergraduate Courses for Transfer program at APUS are restricted by VA policy on which courses APUS can submit for VA benefits. A student must be below a Junior in academic standing. **Please note**, the junior status also includes any credits previously taken at other institutions. Only General Education courses can be submitted to the VA while a student has an undeclared program, unless a valid Parent School Letter is on file stating the course taken at APUS will transfer to the students Primary School.

Graduate Courses for Transfer courses are not eligible for certification to the VA unless a valid Parent School Letter is on file stating the course taken at APUS will transfer to the students Primary School.

Student VA Tuition & Fees Debts

A debt is established on the student for tuition/fees/Yellow Ribbon when:

- The student withdrew after the first day of the term.
- The student reduced hours whether the reduction occurred before or during the term
- If the student attended more than one day of any of the classes certified and a payment has been issued, any debt created by the withdrawal should be charged to the student
- The school submitted a change in enrollment (1999b) and reported a reduction in tuition, fees, and/or Yellow Ribbon due to student action reducing or terminating training.
- If a student drops a course and adds a course so that there is no net change in training time, any change to tuition, fees, and/or Yellow Ribbon is a student debt

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VA Enrollment Chart

APUS offers courses in an 8 week and 16 week format. Courses start each month at APUS. All VA enrollments are based on a student's monthly enrollment status. Overlapping course starts may result in differing enrollment statuses than those below.

Course Load and Student Status for VA Benefits

Student status for VA Benefits is based on monthly course load. The chart below applies to VA Benefit requirements for full, three quarter, or half-time benefit levels.

Graduate: 8-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit[1,2]
6 Credit hours	Full-time	1.00
3 Credit hours	Three-quarter time	.75

Graduate: 16-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit[1,2]
9 Credit hours	Full-time	1.00
6 Credit hours	Three-quarter time	.75
3 Credit hours	Half-time	.38

Undergraduate: 8-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit[1,2]
6 Credit hours	Full-time	1.00
5 Credit hours	Three-Quarter Time	.83
4 Credit hours	Three-Quarter Time	.67
3 Credit hours	Half-time	.56
2 Credit hours	Less than Half-time	.38

Undergraduate: 16-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit[1,2]
12 Credit hours	Full-time	1.00
9 Credit hours	Three-quarter time	.75
6 Credit hours	Half-time	.50
4 Credit hours	Less than Half-time	.33
3 Credit hours	Less than Half-time	.25

1 BAH is only payable for a rate of pursuit greater than .50.

2 Rate of Pursuit is calculated by Department of Veterans Affairs. This calculation is determined by training level, credits taken in a term, and length of term. APUS does not calculate the Rate of Pursuit.

Please note: The above chart does not apply to Federal Student Aid (FSA). If you are applying for Federal Student Aid, there is a different enrollment status standard for determining aid eligibility. Please see the chart below for FSA status definitions.

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Helpful Websites for GI Bill ® Information & Veteran Success

- APUS VA Website: AMU (http://www.amu.apus.edu/__tuition-and-financing/paying-for-school/veterans-benefits/?_ga=1.237214400.1775644059.1454592820) | APU (http://www.apu.apus.edu/tuition-and-finance/veterans-benefits)
- eBenefits Portal (https://www.ebenefits.va.gov/ebenefits-portal/ebenefits.portal)
- GI Bill® Homepage (http://www.gibill.va.gov)
- WAVE Attendance Verification (https://www.gibill.va.gov/wave)

- Apply for VA Benefits (https://www.vets.gov/education/apply-for-education-benefits)
- Transfer of Post 9/11 GI Bill® Benefits to Dependents (http://www.benefits.va.gov/gibill/post911_transfer.asp)
- GI Bill® Benefit Comparison Tools (http://www.benefits.va.gov/gibill/comparison_tool.asp)
- Monthly Payment Rates (http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp)
- Institutions of Higher Learning Undergraduate & Graduate Degrees (http://www.benefits.va.gov/gibill/higher_learning.asp)
- GI Bill® General Announcements (http://www.gibill.va.gov/community/announcements/general.html)
- APUS Disability Accommodations (http://www.apus.edu/about-us/dsa.htm)
- APUS Transfer Credit Center (http://www.apus.edu/TransferCredit)
- APUS Consumer Information Center (https://www.amu.apus.edu/aboutus/consumer-information.html)
- APUS Military & Veterans Resources (http://www.amu.apus.edu/aboutus/military/active-duty-and-veterans.html)
- APUS Student Handbook (http://www.apus.edu/student-handbook)
- APUS Academic Advising Center (http://www.amu.apus.edu/advising)
- APUS Student Veterans of America (https://www.facebook.com/groups/147207151965410)
- Student Handouts, Brochures, Regulations, and other VA Forms (http://www.benefits.va.gov/GIBILL/handouts_forms.asp)
- GI Bill® Customer Service Resource Center (https://gibill.custhelp.com/app/home/session/L3RpbWUvMTQ0NTU0MDkxNi9zaWQvUHQxZVJCem0%3D)
- Tutorial Assistance (http://www.benefits.va.gov/gibill/tutorial_assistance.asp)
- Principles of Excellence (http://www.benefits.va.gov/gibill/principles_of_excellence.asp)
- Fry Scholarship (http://www.benefits.va.gov/GIBILL/Fry_scholarship.asp)

- Vocational Rehabilitation (http://www.benefits.va.gov/vocrehab)
- VA Licensing & Certification (http://www.benefits.va.gov/gibill/licensing_certification.asp)
- VA Services (http://www.benefits.va.gov/benefits/services.asp)
- APUS Accreditation (http://www.apus.edu/accreditation)

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California Residents

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition. You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if you are not a California resident, or are not enrolled in a residency program.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 2535 Capitol Oaks Drive, Suite 400, Sacramento, CA 95833, (916) 431-6959 or (888) 370-7589.

To be eligible for STRF, you must be a California resident or enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.

2. You were enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120 day period before the program was discontinued.

3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.

4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.

5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.

6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.

7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of noncollection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

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