

2016/2017 Undergraduate Catalog

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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 and all undergraduate students are required to enroll in COLL100 – Foundations of Online Learning as their first course. Some students who have experience with online learning and have substantial life and work experience may be able to waive this requirement. Please refer to the Student Handbook for details on the waiver process. 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. Please refer to the Student Handbook for information regarding extending a program deadline. Most Bachelors' programs include core, 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.

Associate Programs

APUS offers several Associate degree programs. The General Studies degree is designed to provide a solid foundation for further academic achievement. Discipline-specific Associate degrees provide students an opportunity to focus on courses that develop knowledge, skills, and abilities that are readily applicable to personal or professional interests. All students who enroll in an Associate degree program must register for COLL100 – Foundations of Online Learning as their first course. All Associate degrees require a minimum of 61 semester hours and a 2.0 GPA for graduation.

Associate of Arts

- [Business Administration](#)
- [Communication](#)
- [Counter Terrorism Studies](#)
- [Criminal Justice](#)
- [Early Childhood Care and Education](#)
- [General Studies](#)
- [History](#)
- [Hospitality](#)
- [Management](#)
- [Military History](#)
- [Real Estate Studies](#)
- [Retail Management](#)
- [Weapons of Mass Destruction Preparedness](#)

Associate of Science

- [Accounting](#)
- [Computer Applications](#)
- [Database Application Development](#)
- [Explosive Ordnance Disposal](#)
- [Fire Science](#)
- [Paralegal Studies](#)
- [Public Health](#)
- [Web Publishing](#)

Associate of Applied Science

- [Health Sciences](#)
- [Technical Management](#)

Bachelor's Degree Programs

APUS Bachelor's degree programs are designed to provide the knowledge, skills, and abilities for entry into the workforce, career transition, or graduate study. Bachelor's 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, core, major, and elective requirements. In many programs, students have the opportunity to select specific concentrations within the degree program or opt for a general program. Students seeking a Bachelor's degree may also elect to "minor" in a second academic discipline. All students who enroll in the Bachelor's degree program must enroll in COLL100 – Foundations of Online Learning as their first course.

Bachelor

- [Bachelor of Business Administration](#)

Bachelor of Arts

- [Criminal Justice](#)
- [Emergency and Disaster Management](#)
- [English](#)
- [Entrepreneurship](#)
- [General Studies](#)
- [Government Contracting and Acquisition](#)
- [History](#)
- [Homeland Security](#)
- [Hospitality Management](#)
- [Human Development and Family Studies](#)
- [Intelligence Studies](#)
- [International Relations](#)
- [Management](#)
- [Marketing](#)
- [Middle Eastern Studies](#)
- [Military History](#)
- [Philosophy](#)
- [Political Science](#)
- [Psychology](#)
- [Religion](#)
- [Retail Management](#)
- [Reverse Logistics Management](#)
- [Security Management](#)
- [Sociology](#)
- [Transportation and Logistics Management](#)

Bachelor of Science

- [Accounting](#)
- [Business Analytics](#)
- [Criminal Justice with a Concentration in Forensics](#)
- [Cybersecurity](#)
- [Electrical Engineering](#)
- [Environmental Science](#)
- [Fire Science Management](#)
- [Health Information Management](#)
- [Information Systems Security](#)
- [Information Technology](#)
- [Information Technology Management](#)
- [Legal Studies](#)
- [Mathematics](#)
- [Natural Sciences](#)
- [Nursing](#)
- [Public Health](#)
- [Space Studies](#)
- [Sports and Health Sciences](#)
- [Sports Management](#)

Bachelor of Applied Science

- [Technical Management](#)

Learning Track Programs

Learning Track programs are available to students who seek a very short program focused on career or professional development needs. Students are required to first take the two-week orientation, COLL099 - Classroom Success, and then take three courses for a total of nine semester hours. In some cases, credits from a Learning Track program can be applied to a Certificate or an Associate's or Bachelor's degree. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example a student who had previously completed a Learning Track in Criminal Justice might be able to apply those credits toward an Associate of Criminal Justice degree; however, a student may not be enrolled in a Criminal Justice learning track program and a Criminal Justice degree program at the same time. Students may not use military tuition assistance, GI Bill, or federal student aid to pay for learning track courses. Cash or civilian employer tuition assistance may be used.

- *Airport Transportation Security*
- *Business Basics*
- *College Readiness*
- *Criminal Justice*
- *Economics*
- *Information Security*
- *Information Technology (IT) Project Management*
- *Managerial Analytics*
- *Microsoft Access Database*
- *Professional Development for Executives/Directors*
- *Professional Development for Managers*
- *Professional Development for Senior Managers*
- *Visual Design*
- *Web Development*

Undergraduate Minors

Because it is important for students to develop an understanding of multiple academic disciplines, students may pursue a minor in addition to their major. For example, a military history major might select an intelligence studies minor. The combination of the major and the unrelated minor will enable students to expand their thinking beyond the single discipline, while also allowing them to present a broader academic portfolio to potential employers or graduate schools. Students may not minor in a discipline directly related to their major discipline. Eighteen semester hours are required for each minor. 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.

The programs below are available as undergraduate minors:

- [*African Studies*](#)
- [*American Military History*](#)
- [*Asian Studies*](#)
- [*Business Administration*](#)
- [*Child Development*](#)
- [*English*](#)
- [*European Studies*](#)
- [*Family Development*](#)
- [*History*](#)
- [*Intelligence Studies*](#)
- [*International Relations*](#)
- [*Latin American Studies*](#)
- [*Management*](#)
- [*Marketing*](#)
- [*Middle Eastern Studies*](#)
- [*Military History*](#)
- [*Philosophy*](#)
- [*Psychology*](#)
- [*Religion*](#)
- [*Security Management*](#)
- [*Sociology*](#)
- [*Space Studies*](#)
- [*Sustainability Studies*](#)

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. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. 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, however, a student may not be enrolled in a Fire Science certificate program and a Fire Science degree program at the same time.

- [*Cloud Computing*](#)
- [*Computer Systems and Networks*](#)
- [*Corrections Management*](#)
- [*Counterintelligence*](#)
- [*CPA Examination Preparation*](#)
- [*Cybercrime Essentials*](#)
- [*Cybersecurity*](#)
- [*Digital Forensics*](#)
- [*E-Commerce*](#)
- [*Emergency Management*](#)
- [*Enterprise Web Applications*](#)
- [*Enterprise Web Applications using .NET*](#)
- [*Environmental Technology*](#)
- [*Explosive Ordnance Disposal*](#)
- [*Family Studies*](#)
- [*Fire Science*](#)
- [*Fish and Wildlife Management*](#)
- [*Forensics*](#)
- [*Foundations of Homeland Security*](#)
- [*Hazardous Waste Management*](#)
- [*Homeland Security*](#)
- [*Human Resource Management*](#)
- [*Infant and Toddler Care*](#)
- [*Information Security Planning*](#)
- [*Information Systems Security Essentials*](#)
- [*Instructional Design and Delivery*](#)
- [*Intelligence Analysis*](#)
- [*Internet Webmaster*](#)
- [*IT Infrastructure Security*](#)
- [*IT Project Management Essentials*](#)
- [*Law Enforcement Leadership*](#)
- [*Meeting and Event Planning*](#)
- [*Microsoft Access Database Applications*](#)
- [*Microsoft Office Applications*](#)
- [*Military Leadership Studies*](#)
- [*Mobile Computing*](#)
- [*Oracle Database*](#)
- [*Paralegal Studies*](#)
- [*Public Lands Management*](#)
- [*Real Estate Management*](#)
- [*Regional and Community Planning*](#)
- [*Restaurant Operations*](#)
- [*Retail Management*](#)
- [*Security Management*](#)
- [*Space Studies*](#)
- [*Strategic Leadership*](#)
- [*Sustainability*](#)
- [*Technical Management*](#)
- [*Terrorism Studies*](#)
- [*United Nations*](#)
- [*Visual Basic Application Development*](#)
- [*Visual Communications*](#)
- [*Weapons of Mass Destruction Preparedness*](#)
- [*Web 2.0*](#)
- [*Web Publishing*](#)

Undergraduate Course Descriptions

- Business
- Child and Family Development
- Communications
- Criminal Justice
- Education
- Emergency Management
- Engineering
- English
- Environmental Science
- Finance and Accounting
- Fire Science Management
- Foreign Languages
- Foundations
- Health Information Management
- History
- Homeland Security
- Hospitality Management
- Humanities
- Information Technology
- Intelligence Studies
- International Relations
- Legal Studies
- Literature
- Management
- Marketing
- Mathematics
- Military History
- Military Management
- Nursing
- Philosophy
- Political Science
- Professional Studies
- Psychology
- Public Administration
- Public Health
- Religion
- Retail Management
- Reverse Logistics Management
- Science
- Security Management
- Social Science
- Sociology
- Space Studies
- Sports and Health
- Sports Management
- Transportation and Logistics
- Women's Studies

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. Karan Powell
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.

Address and Phone Numbers

APUS has two administrative offices – our headquarters is in Charles Town, WV, and supporting administrative offices are in Manassas, VA.

Headquarters

111 West Congress Street
Charles Town, WV 25414
Phone: 304-724-3700
Toll Free: 877-468-6268

Administrative Offices

10110 Battleview Parkway Suite 114
Manassas, VA 20109
Phone: 703-330-5398
Toll Free: 877-468-6268

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](#)) formally recognizes accrediting commissions that meet all federal standards and the Council for Higher Education Accreditation ([CHEA](#)) 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 accrreditation@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](#)
400 Maryland Avenue, SW
Washington, DC 20202
(800) USA-LEARN (800-872-5327)
- [Council for Higher Education Accreditation \(CHEA\)](#)
One Dupont Circle, NW, Suite 510
Washington, DC 20036
(202) 955-6126
- [The Higher Learning Commission \(HLC\)](#)
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. The Alabama Commission of Higher Education requires the inclusion of the following disclaimers: **TEACHER EDUCATION:** State Authorization to provide a program related to the preparation of teachers or other P-12 school/system personnel does not indicate eligibility for an Alabama certificate. Applicants for an Alabama certificate based on reciprocity must meet Alabama's test requirements and submit a valid, renewable professional educator certificate/license issued by another state at the degree level, grade level, and in the teaching field or area of instructional support for which an Alabama certificate is sought and for which Alabama issues a certificate. Applicants for Alabama certification in an area of administration must also document at least three years of full-time employment as an administrator in a P-12 school system(s). www.aldse.edu **NURSING:** State approval of a program to offer Alabama licensed nurses opportunities for advanced degrees does not indicate eligibility for approval to practice as an advanced practice nurse in Alabama. Applicants for approval in Alabama are required to meet the Alabama requirements for national certification, graduation from a specific-type program for the advanced practice approval, and completion of the appropriate application. Any program offering a pre-licensure track to Alabama students shall meet the requirements of the Alabama regulations for pre-licensure programs or the graduates may not be eligible to take the national licensure examination required by the Alabama Board of Nursing to enter the practice. www.abn.alabama.gov.

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. In order to meet Arkansas Department of Higher Education requirements, Arkansas students will be expected to take 35 hours of general education coursework that meets the Arkansas general education requirements including 8 hours of science and one course in U.S. History OR one course in Government.

California: The California Bureau for Private Postsecondary Education regulates through licensure all private colleges and universities that are not formally accredited by an agency recognized by the U.S. Department of Education. APUS is accredited by the Higher Learning Commission (HLC) therefore the university is not required to be licensed by the Bureau.

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

Connecticut: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Delaware: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Florida: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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 Board 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: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Michigan: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

North Carolina: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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: In compliance with 34 CFR 600.9, The Pennsylvania Department of Education has approved APUS to offer our degree programs in 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: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within 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 regulations to offer programs to residents of the state.

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

Utah: APUS has received The Accredited Institution Certificate of Exemption.

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.

Washington: As an approved SARA institution, APUS is in compliance with Washington regulations to offer programs to residents of the state. *Washington State residents and RN license holders:* 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 and RN license holders.

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. A representative for the EAB can be reached at 201 W. Washington Street, 3rd floor, Madison, WI 53708, telephone (608) 266-1996; email eabmail@eab.state.wi.us

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: No formal application for licensure has been submitted.

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](#).

Employment Disclosure

American Military University and American Public University are part of the American Public University System (APUS). 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. 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. 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. Prior to enrolling in any program, all students 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](#) or [APU Career Services](#).

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.

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](#).

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](#).

Financial Disclosure and Leadership

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/>.

- [Leadership](#)
- [Board of Trustees](#)
- [Directors](#)

Catalog Changes

This publication is not a contract between the 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, the publication is not a complete statement of all policies, procedures, and program information. American Public University System 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 staff member to discuss and resolve the matter with the students' interests in mind. Addendums may be posted to the Web site.

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 & Speakers or Headset
- Webcam
- Monitor capable of 1024 x768 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

- 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.

Student Profile

The University System’s undergraduate programs are open to all qualified students. The student body is comprised of busy, working adults who hold a variety of positions in the national security, public service and corporate sectors. Students typically work full-time while studying online to advance their careers from locations in all 50 states as well as from more than 100 foreign countries.

Undergraduate Admissions Criteria and Status

Undergraduate Admissions Criteria

A high school diploma, GED certificate, or international equivalent is required for admission to any APUS undergraduate program. Transfer students and international students have additional admission requirements.

Admissions Status

Applicants are admitted to a University System institution after the online application for admission has been submitted, the online Orientation has been completed, and the applicant has completed the [College Readiness Assessment](#) if required. However, the student admission record is not complete until all required admission documents are submitted. The student may log in any time to view what documents may be required to complete the admission record by viewing the Document Log in the ecampus.

Student Identity

Students transferring to APUS will be identified by the matching of data on the incoming transcripts or military documents. Non-Transfer students may be asked to submit a valid Social Security Card, current Driver's License, and/or proof of address to maintain their enrollment.

Equal Opportunity

The University System 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

The Course Schedule is posted online and displays a schedule of the courses offered, the professors teaching the courses, and the required course materials. When registration for a particular session opens, students may register online through the student portal by selecting “Register Now” and choosing the appropriate course. Students having difficulty accessing the online registration page should contact the staff at registrar@apus.edu for assistance.

Examinations & 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.

Application, Orientation and Registration Process

All new APUS students complete an online application and orientation process during which they complete the online application, review APUS policies and procedures, and declare their academic goals. The orientation provides an opportunity for students to familiarize themselves with their rights and responsibilities as students.

Once the orientation is complete, many new students will be required to complete the [College Readiness Assessment](#) prior to being admitted. Upon admission, new students will be able to access the ecampus using the student ID and password created during application submission.

Please note: APUS students are required to complete Orientation and declare an academic goal prior to registration. All undergraduate degree-seeking students must register for COLL100 as their first course unless they petitioned for and have received a waiver.

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

8- and 16-Week Sessions	3 semester hours	4 semester hours
Undergraduate Academic Credit	\$810	\$1,080
Graduate Academic Credit	\$1050	\$1,400
Audit	\$300	\$400

Fees

Admission Fee	\$0
Registration Fee	\$0
Late Registration Fee	\$50
Technology Fee - Active Duty Military, National Guard, or U.S. Military Reservist***	\$0
Technology Fee - Courses other than ENGR and ELEN***	\$50
Technology Fee - ENGR and ELEN courses***	\$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

***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:
 - Cumulative grade point average (qualitative)
 - Credit hour completion (quantitative)
 - Program deadline

Cumulative Grade Point Average (CGPA):

- Cumulative GPA is the qualitative measure of SAP, meaning that it looks at the quality of the grades that each student earns in their courses.
- Cumulative GPA is calculated 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 Cumulative GPA calculation.
- To meet SAP requirements, students must maintain a Cumulative GPA that meets or exceeds our minimum as shown in the chart below.
- Students who fail to meet CGPA 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.).

SAP Criteria Based on Cumulative GPA and Credits Completed

	Total Credits Completed (including transferred credits*)	Minimum CGPA Required for Financial Aid
Undergraduate Students	6-12	1.00
	13-24	1.25
	25-36	1.50
	37-96	1.75
	97+	2.00
Graduate Students	6-9	2.00
	10-18	2.50

19-27	2.75
28+	3.00

*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.

- For example, an undergraduate student with no transfer credits must have a minimum Cumulative GPA of 1.00 once they have completed (with a passing grade) their first 6 credits at APUS.
- However, a student who transferred in 15 credits and then earned his/her first 6 credits at APUS must have a minimum Cumulative GPA of 1.25 (15 transfer credits plus 6 credits completed equals 21 completed credits which falls into the 13-24 total credits completed range in the chart above).

SAP Criteria Based on Cumulative GPA (CGPA) and Credits Completed – Effective 4/1/2015

(For terms that begin after May 1, 2015)

	Total Credits Completed (including transferred credits*)	Minimum CGPA Required for Financial Aid
Undergraduate Students	6-12	1.50
	13+	2.00
Graduate Students	6-9	2.50
	10+	3.00

*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.
 - For example, if your program requirements are 120 credits, you must satisfy all requirements of your program without having to attempt more than 180 credits.
 - For example, 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

considered as having not 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."
- Courses that are dropped prior to the course start date or during the add/drop period in Week One will not count towards attempted credits. **Please note:** All students are required to log into each of their courses during Week One and to submit a class discussion board post of at least 250 words. Students who do not submit this assignment during the first week of class will be automatically dropped from any courses in which this assignment has not been completed. Detailed information on classroom attendance is available at [Initial Contact - First Week of the Course](#).
- 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

	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.

Example 1: A student registers for 12 credits as an undergraduate student at APUS. The student also has **12 transfer credits** from College A. At the end of the semester, here are the grades for the student:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	F
Course 3 (3 credits)	B
Course 4 (3 credits)	C

- This student has attempted **12** credits at APUS but has only successfully completed **6** of those credits (Course 3 and Course 4).
- The credits completed at APUS would be added to the credits transferred (6 credits plus 12 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 12 credits).
- The credits completed percentage would be 75% (18 completed hours divided by 24 attempted hours).
- The next step is to look at the chart above and determine what percentage is needed to make SAP.
- You then find where 24 credits attempted falls on the chart above, and you will see that the student needs to have

completed 60% of their courses to make SAP.

- In this example, the student is making SAP and will be eligible for their Federal Student Aid.

Example 2: A student registers for 15 credits as a graduate student at APUS and has 3 transfer credits. The student drops 3 credits during add/drop week of the semester. Here are the grades for the student at the end of the semester:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	DP
Course 3 (3 credits)	B
Course 4 (3 credits)	F
Course 5 (3 credits)	F

- This student has attempted 12 credits at APUS but has only successfully completed 3 of those credits (Course 3).
- Dropped courses do not count toward attempted courses.
- The credits completed at APUS would be added to the credits transferred (3 credits plus 3 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 3 credits).
- The credits completed percentage would be 40% (6 completed hours divided by 15 attempted hours).
- Again, look at the chart above and determine what percentage is needed to make SAP.
- You then find where 15 credits falls on the chart, and you will see that the graduate student needs to have completed 60% of their APUS courses to make SAP.
- So this student is not making SAP and will no longer be eligible for their Federal Student Aid.

Program Deadline:

Program deadline start dates are determined when the student completes Week One of their initial course(s). Students must complete their program within the timeframe allowed as follows:

Associate Degree: 7 years from start date

Bachelor's Degree: 10 years from start date

Master's Degree: 7 years from start date

Certificate Program: 3 years from start date

Withdrawal, Refund, and Extension Policy

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 withdrawal will reduce the number of credit hours being taken during the semester and may have a negative impact on students' status as a full-time or part-time student, which in turn may affect eligibility for some forms of 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

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

8-Week Course -- Tuition Refund Schedule

Withdrawal 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

Withdrawal 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

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

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
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
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

Veteran Students: Applying for Benefits

Students interested in applying for VA Educational benefits should complete an application for benefits on the VA website, www.gibill.va.gov. 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 [VONAPP](#) program. When using VONAPP, 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 VONAPP 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, 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 [VONAPP](#) Program. When using VONAPP, 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 VONAPP 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, 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](#), Application for Survivors' and Dependents' Educational Assistance. The completed form will need to be sent to the St. Louis RPO 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](#).
- If you have never used VA Benefits, please complete the [22-1990](#).
- If you have previously used benefits or have changed your program, please complete the [22-1995](#).
- If you are transferring Montgomery GI Bill[®] (Chapter 35) to a spouse or dependent, please complete the [22-5490](#).
- If you are using Chapter 35 and you have changed your program or place of training, please complete the [22-5495](#).
- If you are transferring Post 9/11 GI Bill[®] (Chapter 33) to a spouse or dependent, please complete the [22-1990e](#).

"GI Bill[®] is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>."

Veteran Students: 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](#) 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](#).

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.

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

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, a [22-1995 form](#) will need to be completed for the new program of study. The 22-1995 for is used by APUS to verify that a student intends to use GI Bill® benefits for this new course of study.

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](#) 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](#). 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 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.

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

"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>."

Veteran Students: 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.

Session of Courses	Monthly Course Load	Student Status	Rate of Pursuit ^{1,2}
Graduate: 8-Week Courses	6 Credit hours	Full-time	1.00
	3 Credit hours	Three-quarter time	.75
Graduate: 16-Week Courses	9 Credit hours	Full-time	1.00
	6 Credit hours	Three-quarter time	.75
	3 Credit hours	Half-time	.38
Undergraduate: 8-Week Courses	6 Credit hours	Full-time	1.00
	3 Credit hours	Half-time	.56
Undergraduate: 16-Week Courses	12 Credit hours	Full-time	1.00
	9 Credit hours	Three-quarter time	.75
	6 Credit hours	Half-time	.50
	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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Veteran Students: Helpful Websites for GI Bill® Information & Veteran Success

- **APUS VA Website:** [AMU](#) | [APU](#)
- [eBenefits Portal](#)
- [GI Bill® Homepage](#)
- [WAVE Attendance Verification](#)
- [Apply for VA Benefits](#)
- [Transfer of Post 9/11 GI Bill® Benefits to Dependents](#)
- [GI Bill® Benefit Comparison Tools](#)
- [Monthly Payment Rates](#)
- [Institutions of Higher Learning Undergraduate & Graduate Degrees](#)
- [GI Bill® General Announcements](#)
- [APUS Disability Accommodations](#)
- [APUS Transfer Credit Center](#)
- [APUS Consumer Information Center](#)
- [APUS Military & Veterans Resources](#)
- [APUS Student Handbook](#)
- [APUS Academic Advising Center](#)
- [APUS Student Veterans of America](#)
- [Student Handouts, Brochures, Regulations, and other VA Forms](#)
- [GI Bill® Customer Service Resource Center](#)
- [Tutorial Assistance](#)
- [Principles of Excellence](#)
- [Fry Scholarship](#)

- [Vocational Rehabilitation](#)
- [VA Licensing & Certification](#)
- [VA Services](#)
- [APUS Accreditation](#)

“GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>.”

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

- To Be Hired

Associate Provost for Academic Effectiveness and Student Success

- Gwendolyn Hall, Ph.D., Public Policy, University of Maryland, College Park, MD

Associate Provost of Academic Affairs

- Conrad Lotze, Ph.D., Mathematics Education, American University, Washington, DC

Assistant Provosts

- **Assistant Provost of Graduate Studies, Research, and Innovation** - Patricia Campbell, Ph.D., International Studies, University of Denver, Denver, CO

Deans, Assistant Deans, and Associate Deans

- **School of Arts and Humanities** - Grace Glass, Ph.D., English Literature, University of Michigan, Ann Arbor, MI
- **School of Business** - L. A. Chad Patrizi, Ph.D., E-Learning Leadership, Touro University International, Cypress, CA
- **School of Education** - Brian Freeland, Ed.D., Sports Management and Leadership, Northcentral University
- **Assistant Dean, School of Education – Jose Rodriguez**, Ed.D., Educational Leadership and Policy, University of Washington
- **School of Health Sciences** - Brian Freeland, Ed.D., Sports Management and Leadership, Northcentral University
- **Assistant Dean, Health Programs and Outreach** - Barbara Netzer, M.S.N., Nursing, University of Phoenix, Phoenix, AZ
- **School of Science, Technology, Engineering and Math** - Dan Benjamin, M.S.E.E., Electrical engineering, Kakatiya University, Warangal, AP, India
- **Assistant Dean, School of Science, Technology, Engineering, and Math - Daniel Welsch**, Ph.D., Environmental Sciences, University of Virginia
- **School of Security and Global Studies** - Mark T. Riccardi, Ph.D., Education and Human Resource Studies, Colorado State University
- **Associate Dean for Core Learning** - Kimberly Jacobs, Ph.D., Postsecondary and Adult Education, Capella University
- **Dean of Academic Outreach & Program Development** - Chris Reynolds, Ed.D., Educational Leadership, Argosy University, Sarasota, FL
- **Associate Dean for Center for Teaching & Learning** - Grady Batchelor, D.Mgt., Management, Colorado Technical University, Colorado Springs, CO
- **Associate Dean of Graduate Studies** - Jennifer Douglas, Ph.D., English, University of Rochester

Program Directors

- **Analytics** - Ahmed Kamel, Ph.D., Integrated Textile & Apparel Science, Auburn University
- **Art, Communication, World Languages, Humanities, Music, Philosophy, Religion** - Steven Wiegenstein, Ph.D., English, University of Missouri - Columbia
- **Business Administration** - Kathleen Irwin, Ph.D., Organization and Management, Capella University
- **COLL100 and General Education** - Kimberly Jacobs, Ph.D., Postsecondary and Adult Education, Capella University
- **Criminal Justice** - Charles Russo, Ph.D., Public Affairs, University of Central Florida
- **Cybersecurity** - TBA
- **Educational Leadership** - Jose Rodriguez, Ed.D., Educational Leadership & Policy, University of Washington
- **Electrical Engineering** - Colin Doyle, Ph.D., Electrical Engineering, Southern Methodist University
- **English and Literature** - TBA
- **Entrepreneurship** - Cassandra Shaw, Ph.D., Industrial Organizational Psychology, Capella University
- **Environmental Science** - Kelly Reiss, Ph.D., Environmental Engineering Sciences, University of Florida
- **Finance & Accounting** - Juan Roman, D.B.A., Business Administration, Pontifical Catholic University of Puerto Rico
- **Government Contracting & Acquisitions** - William Hedgepeth, Ph.D., Engineering Management, Old Dominion University
- **Graduate Information Technology** - Novadean Watson-Stone, D.B.A., Information Systems, Argosy University
- **Health Information Management** - Andrea Mignott, M.B.A., Business Administration, American Intercontinental University
- **History** - Richard Hines, Ph.D., History, Washington State University
- **Homeland Security** - Kelli Frakes, Ph.D., Public Policy and Administration, Walden University
- **Hospitality Management** - Sheri Hernandez, M.B.A., Business Administration, Lehigh University
- **Human Development and Family Studies** - Kathleen Mangeri, M.A., Student Personnel Services, Trenton State College
- **Information Technology Management** - Irena Kageorgis, M.S., Computer Information Systems, University of Phoenix
- **Intelligence Studies** - Nicole Drumhiller, Ph.D., Political Science, Washington State University
- **International Relations** - Katherine Brannum, Ph.D., Political science, University of Massachusetts Amherst
- **Legal Studies & Emergency and Disaster Management** - Terri Wilkin, J.D., Law, University of Maryland-Baltimore
- **Management** - Marie Harper, Ph.D., Specialization - Business General, Capella University
- **Marketing & Economics** - Thomas Schaefer, D.B.A., Management, Argosy University
- **Mathematics** - William Owen, M.Ed., Adult and Higher Education, University of Oklahoma
- **National Security Studies and Military Studies** - John Dolan, Ph.D., Education and Human Resource Studies, Colorado State University
- **Nursing** - Mandy Milot, D.N.P., Nursing, George Mason University
- **Political Science** - Thomas Kelly, Ph.D., Political Science, University of Illinois at Chicago
- **Psychology** - TBA
- **Public Administration, Public Policy, and Security Management** - Christi Bartman, Ph.D., History, Bowling Green State University
- **Public Health** - Samer Koutoubi, Ph.D., Dietetics and Nutrition, Florida International University
- **Retail Management & Real Estate** - Kevin Forehand, M.B.A., Business

Administration, Thomas University

- **Reverse Logistics Management** - Robert Gordon, D.Mgt., Management, University of Phoenix
 - **School Counseling** - Kimberlee Ratliff, Ed.D., Counseling Psychology, Argosy University
 - **Science** - David Brashinger, M.S., Microbiology and Immunology, Loyola University Chicago
 - **Sociology** - Jennifer Cramer, Ph.D., Anthropology, University of Wisconsin, Milwaukee
 - **Space Studies** - Edward Albin, Ph.D., Geology, The University of Georgia
 - **Sports & Health Sciences and Sports Management** - Jordan Moon, Ph.D., Health and Exercise Science, University of Oklahoma
 - **Teaching** - Kathleen Tate, Ph.D., Elementary Education, Florida State University
 - **Transportation and Logistics Management** - Stacey Little, Ph.D., Global Leadership - Organizational Management, Indiana Institute of Technology
-

Faculty Directors

- **Arts and Humanities** - Bethanie Hansen, D.M.A., Music Education, Boston University
- **Arts and Humanities** - Jeffrey Stone, Ph.D., Education, University of Kansas
- **Arts and Humanities** - Linda Algozzini, M.S., Education – Mental Retardation, University of Central Missouri
- **Arts and Humanities** - Robert Owens, Ph.D., Organizational Leadership, Regent University
- **Arts and Humanities** - Gregory Stratman, Ph.D., English Language, University of Missouri
- **Business** - Jill Fuson, Ph.D., Education, Postsecondary and Adult Education, Capella University
- **Business** - Suzanne Minarcine, Ph.D., Leadership, Capella University
- **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** - Daniela Messina, D.C., Chiropractic, New York Chiropractic College
- **Science, Technology, Engineering, and Math** - Francesca Catalano, Ph.D., Molecular Biology, Loyola University Chicago
- **Science, Technology, Engineering, and Math** - Jacqueline Gutierrez, Ph.D., Organizational Leadership, University of the Incarnate Word
- **Security and Global Studies** - David Rand, M.S., Forensic Sciences, National University
- **Security and Global Studies** - James Hess, Ph.D., Human Resource Education, Louisiana State University
- **Security and Global Studies** - Michelle Watts, M.A., Latin American Studies, The University of Arizona

Librarians

- **Associate Dean of Library Services** - 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
 - Linda Cranston, M.S., Library Science, Drexel University
 - Daniel Feinberg, M.L.I.S., Library / Information Systems, Kent State University
 - Susan Fingerma, M.S., Library Science, Simmons College
 - Judith Jablonski, Ph.D., Library and Information Systems, University of Wisconsin, Madison
 - Coleen Neary, M.L.S., Library and Information Services, University of Maryland
 - Carole Nowicke, Ph.D., Library and Information Science, Indiana University-Bloomington
 - Erin Richter-Weikum, M.L.I.S., Library & Information Science, University of Denver
 - Aida Smith, M.L.S., Library and Information Science, San Jose State University
 - Laurie Smith, M.S., Library Science and Information, Simmons College
 - Bradley Wiles, M.A., Library & Information Studies, University of Wisconsin-Madison
 - Nina Wilson, M.S., Information Studies/School Media, Florida State University
-

Course Materials

The APUS undergraduate course materials grant provides textbooks and other course reading material for all undergraduate students seeking academic credit. This grant is awarded upon admission with the expectation that students will successfully complete their course(s) each semester. 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. Course materials are ordered from the APUS Bookstore after tuition payment (TA, FSA, check) has been received. Course materials are shipped within the timeframes listed in the Student Handbook. Military TA students serving overseas who have successfully completed previous courses with APUS will have their course materials ordered at the time of course registration, not at time of payment, to ensure that their materials can be released within the 35-day timeframe listed in the Student Handbook. In addition, students who qualify for Title IV Federal Student Aid may also be eligible to receive a [course materials allowance](#) within the first week of the semester

APUS provides course materials in a variety of formats. Most courses use electronic textbooks (eBooks) which are available from APUS Bookstore, the APUS Library, the electronic classroom, websites, or elsewhere as identified by the course instructor.

Please note that course materials are not provided for students who are auditing courses. Audit students may obtain course materials through the bookstore of their choice.

If a student withdraws from a course, they should re-register for the course within six months or they may incur the cost of the course materials.

Students are encouraged to read the [Course Materials section in the Student Handbook](#) for additional course materials policy information.

Students should contact books@apus.edu for questions or for additional assistance concerning their course materials.

Online Library

Resources for Student Success

The **APUS Library** is an electronic academic library serving students, faculty and staff. It is comprised of licensed article/scholarly journal databases, books and ebooks, and video collections chosen specifically to support the educational programs at AMU and APU. Our staff of professional librarians is available 365 days a year to assist with research strategies and website navigation at librarian@apus.edu.

Students can access the library directly from the classroom or their campus page. Faculty access is provided through the classroom and the Faculty Connect portal. As a benefit to our AMU/APU graduates, lifelong access to many of the library's resources is available through their campus page.

Online Research

- **Article/Scholarly Journal Databases:** The strength of the Library is an accumulation of multi-year runs of over 72,400 scholarly journals. Such specialized literature sits at the heart of university research, and its use is a vital part of your learning curve as a college student/scholar.
- **Books & eBooks:** The Library has assembled a growing collection of primarily electronic books. Currently numbering over 244,500, these holdings are focused on the University's educational programs. They include a small collection of land-based holdings with concentration on the Schools' specializations in Intelligence, Military History, and Military Studies.
- **[Research Guides](#):** Librarians, working with faculty, have created guides for programs and select classes, designed to launch scholarly research in the library's licensed content and the Internet's open access content.
- **InterLibrary Loan (ILL):** If unable to find needed research materials, our staff will search and request from another library.

Resources & Services

Student Academic Resource Center: Housed in the APUS Library under Resources & Services, the Student Academic Resource Center offers an array of resources and self-help tools, math tutorial videos, writing and citation guides, and information literacy tutorials. You will also find information on how to get access to live one-on-one tutoring with Tutor.com.

Our resources and services are constantly expanding.

Please visit the APUS Library often.

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](#) establishes the framework for the conduct of student assessment across the institution.

Student Learning/Competency Areas

- **Broad knowledge** of disciplines and fields outside the major
- **Specialized knowledge** in a major
- **Applied learning** – using what is learned in the real world
- **Intellectual skills** – thinking critically
- **Civic learning** – using studies to influence the world
- **Digital information literacy** in the internet age

Associate level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Knowledge acquired in a specialized field of study	Knowledge acquired in general education fields	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.	Summarize security, privacy, ethical, and legal issues related to the digital world
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 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.	Describe the principles related to responsibly locating, retrieving, and using information in the digital world
Illustrates the field's current terminology.	Describes and examines perspectives on key debates within the field and in	Describes how cultural perspectives could affect interpretation of problems in the		Takes an active role in the community (work, service, co-curricular activities) and	Use technology to enhance communication, community, and collaboration

	society.	arts, politics or global relations. (Engaging diverse perspectives)	examines civic issues encountered and insights gained.
Generates substantially error-free products exhibits, or performances in the field.	Illustrates core concepts of the field while executing analytical, practical or creative tasks.	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)	Use technology to categorize, organize, and critique information collaboratively
	Selects and applies recognized methods in interpreting discipline- based problems.	Presents substantially error- free prose in both argumentative and narrative forms to general and specialized audiences. (Communication fluency)	
	Assembles evidence relevant to problems, describes its significance, and uses it in analysis.		
	Describes the ways in which at least two disciplines define, address and justify the importance of a contemporary challenge or problem.		
	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems.		

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.	
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.	Analyze security, privacy, ethical, and/or legal issues related to the digital information world
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	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;	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	Collaborates in developing and implementing an approach to a civic issue, evaluates the process and, where	Summarize policies to responsibly handle information

	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.	defines the distinct patterns in this alternate vision; and explains how these patterns differ from current realities. (Engaging diverse perspectives)	least one academic field; and explains the implications of learning outside the classroom.	applicable, weighs the result.
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)		Appraise sources of information in the digital world
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)		Use technology to categorize, organize, and critique information collaboratively
Constructs a summative project, paper or practice-based performance that draws on current research, scholarship and/or techniques in the field.				Use multimedia tools to capture, consolidate, and communicate information
				Determine the nature and extent of

information needed, access and evaluate that information; and efficiently and ethically use the information for a specific purpose.

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.	Appraise security, privacy, ethical, and/or legal issues related to the digital information world
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 in- sights 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.		Analyze information to solve real world problems
Articulates	Articulates	Addresses in a project,			Use technology

major challenges involved in practicing the field, elucidates its leading edges, and delineates its current limits with respect to theory, knowledge and practice.	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.	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)	to effectively and efficiently access, analyze, and use information to support research
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)	Evaluate and use technology to enhance communication, community, collaboration, and critical thinking.
		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)	Evaluate technology to communicate, collaborate, categorize, organize, and critique information collaboratively
			Establish the nature and extent of information needed, access and evaluate that information; and efficiently and ethically use the

General Education

Philosophy of General Education

The APUS General Education program provides a broad-based liberal arts education that complements the students' major area of study, affording students a basic foundation of principles, concepts, and methodologies upon which they prepare for, and engage in, advanced learning. The General Education curriculum empowers students to engage in critical thinking, communication, information literacy, and academic skills that support creative decision making and life-long learning. Students will achieve a level of awareness and understanding that permits them to become effective leaders, creative thinkers, and ethical decision makers in a global, diverse, and technological society.

There are two basic components of the General Education program at APUS:

- **Basic Skills Component**
- **Basic Knowledge Component**

The Basic Skills Component

This component prepares students for advanced learning by providing the knowledge and skills needed to succeed academically, professionally, and personally. APUS students should expect to demonstrate competency in:

Effective Communication

- Express thoughts and ideas in writing.
- Demonstrate the ability to comprehend the written word.
- Demonstrate the ability to present thoughts and ideas orally.
- Comprehend the role of technology in social change.
- Use technology to acquire, process, and share information.

Information Literacy

- Determine the nature and extent of the information needed.
- Access needed information effectively and efficiently.
- Critically evaluate information and its sources and incorporate selected information into his/her knowledge base and value system.
- Effectively use information, individually or as a group member, to accomplish a specific purpose.
- Identify many of the economic, legal, and social issues surrounding the use of information.
- Access and use information ethically and legally.

Critical Thinking

- Use abstract reasoning, analyzing, and synthesizing to solve problems.
- Assess the ethical, aesthetic, and practical consequences of human action toward others as well as the environment.
- Utilize qualitative and quantitative analysis and scientific reasoning that lead to effective problem solving.

Personal and Social Responsibility in a Diverse Global Society

- Recognize different cultures and their contributions to global society.
- Apply appropriate decision making and interaction based on knowledge of differences and similarities among cultures and individuals.
- Recognize the inter-dependence among diverse cultures.
- Recognize the significance of civic knowledge and engagement.

The Basic Knowledge Component

This component involves the organization of essential information about nature and human society, including modes of inquiry and historical development. APUS students should expect to demonstrate proficiency in:

Core knowledge of the Social Sciences

- Appreciate civic responsibility and ethical principles.
- Recognize the value of the individual within a culturally-varied world.

Core knowledge of Science

- Use of scientific models to collect and analyze information.
- Demonstrate proficiency in applying the scientific method - defining a problem, developing a hypothesis, collecting data, and testing the hypothesis through experimentation and inquiry.
- Apply quantitative and qualitative approaches to the study of scientific concepts.

Core knowledge of Mathematics

- Use of mathematical models to collect data and analyze information.
- Use of mathematics in problem solving.

Core knowledge of English

- Demonstrate effective oral and written communication skills.
- Organize information coherently.
- Utilize appropriate format and language for different audiences.

Core knowledge of Literature and Humanities

- Demonstrate knowledge of the contributions of literature and the humanities to today's society.
- Appreciate the historical impact on and of literature and the humanities.

Core knowledge of History

- Historical comprehension and appreciation of our cultural heritage, whether ancient or modern.
- Recognize of the importance of historical events in analyzing contemporary social, political, technological, and economic issues.

Core knowledge of Research

- Employ correct citation formats and reference research material in academic writing.
- Integrate scholarly research information effectively in academic writing.
- Write at an appropriate academic level.

Core knowledge of Diversity

- Appreciate diverse social and cultural issues.

Beyond the specific skills and knowledge gained, it is expected that APUS graduates will integrate these skills and areas of knowledge in the pursuit of life-long learning.

General Education Requirements

Completion of the courses listed below fulfills APUS General Education requirements within all Associate and Bachelor's degree programs. Please note that the General Education requirements for the Associate or Bachelor of Science degrees differ in some respects, requiring more math and/or science. Students should review carefully the General Education requirements indicated for

their specific Associate or Bachelor of Science program. If a General Education course option is listed as Required Course in an area other than General Education (Core/Major/Minor/Concentration/Certificate), it may not be used to fulfill credit hour requirements in both areas. Students will need to select a different course option to fulfill the General Education area requirements. Program requirements supersede all general APUS requirements.

English Composition - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of [ENGL101 - Proficiency in Writing](#)

LITR201 - World Literature through the Renaissance

- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 or 8 semester hours depending on program (includes 1 or 2 required labs)

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Note: 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.

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography

- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

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	All: Very high quality, clearly above average work
A-	3.67	
B+	3.33	
B	3.0	Undergraduate: Above average Graduate: Expected performance level
B-	2.67	
C+	2.33	
C	2.0	
C-	1.67	Undergraduate: Below Average Graduate: Failing
D+	1.33	Undergraduate: Unsatisfactory Graduate: Failing
D	1.0	Undergraduate: Unsatisfactory Graduate: Failing
D-	.67	Undergraduate: Unsatisfactory Graduate: Failing
F	0.0	Undergraduate: Failing Graduate: Failing
P	NONE	Undergraduate: Pass Graduate: Pass
PD	NONE	Graduate Comprehensive Exam Only: Pass with Distinction
FAIL	NONE	Graduate Comprehensive Exam Only: Failed the Exam
I	NONE	All: Incomplete
DP	NONE	Dropped
W	NONE	All: 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

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 % 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 Associates 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 GEN ED 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.

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 at: <http://www.apus.edu/student-handbook/rights-responsibilities/> .

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 at: <http://www.apus.edu/student-handbook/rights-responsibilities/> .

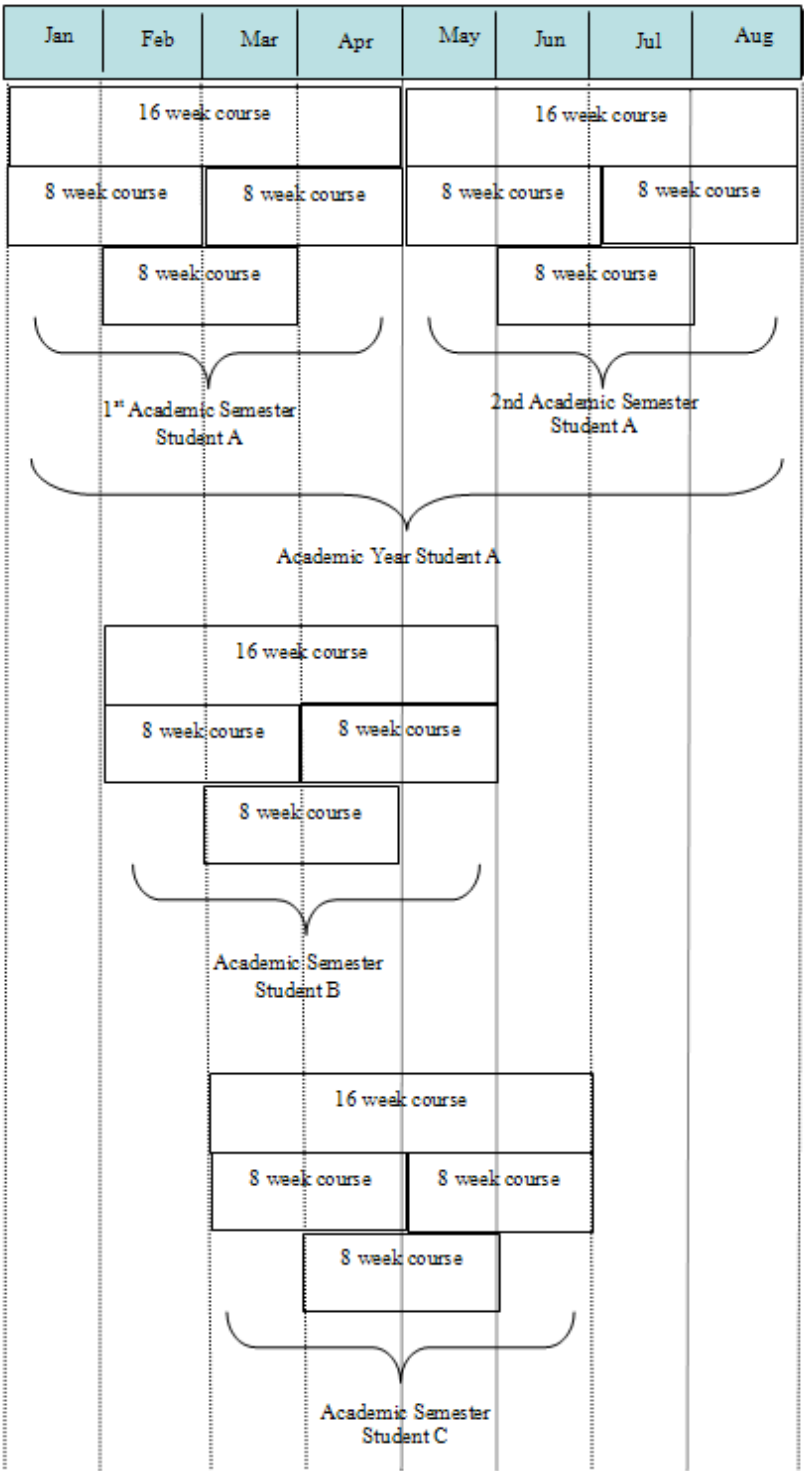
Academic Calendar Information

APUS has a rolling academic year that is different from traditional institutions which typically operate on an academic year normally defined by fall and spring semesters. At APUS, courses start each month and are offered in 8- and 16-week formats. Students may take a combination of 8- and 16-week classes and may overlap class starts to fit their individual schedules.

To comply with the rules established by the Department of Education for disbursement of Federal Student Aid under the provisions of Title IV of the Higher Education Act, students receiving Federal Student Aid must take classes on a defined 16-week academic semester schedule. Two consecutive 16-week academic semesters (32 weeks) comprise the student's academic year, and students receiving FSA may not take classes that overlap semesters. When students first start their studies at APUS, the start date of their first class defines the start date of their individual 16-week academic semester, during which they must take a prescribed number of classes (semester hours) to be eligible for FSA. Counseling for students receiving FSA will be conducted by the APUS financial aid staff and other appropriate staff during the registration process to ensure that they understand the rules for number of semester hours attempted, academic semester restrictions, etc.

The diagram on the right depicts an example of student-defined APUS academic semesters and years:

- Each student defines his/her own academic semesters based on start date of their first course
- Semesters are 16 weeks long; the academic year is 2 successive semesters
- Students receiving Federal Student Aid may not take courses that overlap semesters
- Students may take a combination of 8- and 16-week courses during a semester, so long as each course starts and ends within the semester.



Fall 2016 Term

October Sessions

Start

End

Fall A: 16-week courses	October 3, 2016	January 22, 2017
Fall B: 8-week courses	October 3, 2016	November 27, 2016
November Sessions	Start	End
Fall K: 16-week courses	November 7, 2016	February 26, 2017
Fall I: 8-week courses	November 7, 2016	January 1, 2017
December Sessions	Start	End
Fall C: 16-week courses	December 5, 2016	March 26, 2017
Fall D: 8-week courses	December 5, 2016	January 29, 2017

Winter 2017 Term		
January Sessions	Start	End
Winter A: 16-week courses	January 2, 2017	April 23, 2017
Winter B: 8-week courses	January 2, 2017	February 26, 2017
February Sessions	Start	End
Winter K: 16-week courses	February 6, 2017	May 28, 2017
Winter I: 8-week courses	February 6, 2017	April 2, 2017
March Sessions	Start	End
Winter C: 16-week courses	March 6, 2017	June 25, 2017
Winter D: 8-week courses	March 6, 2017	April 30, 2017

Spring 2017 Term		
April Sessions	Start	End
Spring A: 16-week courses	April 3, 2017	July 23, 2017
Spring B: 8-week courses	April 3, 2017	May 28, 2017
May Sessions	Start	End
Spring K: 16-week courses	May 1, 2017	August 20, 2017
Spring I: 8-week courses	May 1, 2017	June 25, 2017
June Sessions	Start	End
Spring C: 16 week courses	June 5, 2017	September 24, 2017
Spring D: 8-week courses	June 5, 2017	July 30, 2017

Summer 2017 Term		
July Sessions	Start	End
Summer A: 16-week courses	July 3, 2017	October 22, 2017
Summer B: 8-week courses	July 3, 2017	August 27, 2017
August Sessions	Start	End
Summer K: 16-week courses	August 7, 2017	November 26, 2017

Summer I: 8-week courses	August 7, 2017	October 1, 2017
September Sessions	Start	End
Summer C: 16-week courses	September 4, 2017	December 24, 2017
Summer D: 8-week courses	September 4, 2017	October 29, 2017

Associate of Arts - Business Administration

The Associate of Arts in Business Administration provides exposure to general education and business fundamentals. The program prepares students for entry-level positions in industries and government. The Associate of Arts in Business Administration is a degree option for students who desire only two years of college study. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

Students who successfully complete the Associate of Arts in Business Administration will have completed the following objectives:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- BUSN100 - Basics of Business
- MGMT101 - Principles of Supervision [Prerequisite: ENGL101 - Proficiency in Writing]
- MKTG201 - Fundamentals of Marketing
- ENGL225 - Business Writing
- ACCT105 - Accounting for Non Accounting Major
- ITCC111 - Basic Productivity Applications
- ITCC112 - Advanced Productivity Applications
- BUSN299 - Applied Business Solutions

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Communication

The Associate of Arts in Communication prepares students for careers in journalism, marketing and public relations, business management, public policy, corporate training, and more. This degree ensures that students will learn about such important communication issues as interpersonal, intercultural and media communication, gender differences in communication, communication ethics, and small group communication. Students in this program are exposed to historical speeches, communication theory, and practical preparation for presentations. Students graduating from this program may apply this degree toward the completion of requirements for any related Bachelor's degree where oral communication is a consideration.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Communication also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of communication, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [COMM200 - Public Speaking](#)
- [COMM210 - Communication and Gender](#)
- [COMM220 - Small Group Communication](#)
- [COMM240 - Intercultural Communication](#)
- [COMM250 - Mass Communication](#)
- [COMM280 - Ethics in Communication](#)

Elective Requirements (6 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.

Total = 61 semester hours

Associate of Arts - Counter Terrorism Studies

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively apply counter-terrorism concepts to deal with this international security challenge. Political and military leaders are still grappling with strategies to combat terrorism as witnessed by events throughout the world and daily in Iraq and Afghanistan.

Students in this program will explore the origins of and motivations for terrorism, 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 their own repertoire of 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.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the counter-terrorism and national security spectrum. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Counter-Terrorism Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of counter terrorism, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [HLSS322 - Homeland Security Legal and Ethical Issues](#)
- [HLSS323 - Homegrown Violent Extremism](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [SCMT319 - Global Terrorism](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Criminal Justice

The Associate of Arts in Criminal Justice seeks to expand students’ academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students’ ability to grasp legal issues, law enforcement objectives, the impact of terrorism, and administration matters. It is designed for students who wish to develop the skills necessary for a career in law enforcement or criminal justice. The program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the criminal justice field, and/or serve as a background for further baccalaureate study.

Program Objectives:

In addition to the institutional and degree level learning outcomes objectives, the Associate of Arts in Criminal Justice seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab

- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- CMRJ100 - Introduction to Law Enforcement
- CMRJ101 - Evidence and Procedures
- CMRJ201 - Criminal Justice Administration
- CMRJ206 - Juvenile Delinquency
- COMM240 - Intercultural Communication
- EDMG230 - Emergency and Disaster Incident Command
- LSTD204 - Introduction to the Courts

Final Program Requirements (3 semester hours)

- CMRJ295 - Criminal Justice Sophomore Seminar (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Early Childhood Care and Education

The Associate of Arts degree in Early Childhood Care and Education prepares student-professionals to work with young children in a variety of private and public care and educational settings. This program of study focuses on the fundamentals of early childhood development and the methodologies of planning and implementing programs designed to promote healthy development in children from birth to five years of age.

Completion of this degree does not qualify graduates for teaching licensure or certification.

The Associate of Arts degree in Early Childhood Care and Education provides an ideal academic background for students who wish to pursue the Child Development Associate credential, sponsored by the Council for Professional Recognition. To learn more about this credential, please go to the Child Development Associate website: www.cdacouncil.org.

Program Objectives:

In addition to meeting institutional and general education objectives, the Associate of Arts in Early Childhood Care and Education seeks to prepare its graduates for professional care of children from birth to five years old in a variety of settings via the following program outcomes. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [EDUC111 - Observation Techniques](#)
- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD225 - Introduction to the American Family](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD331 - Parenting](#)

Elective Requirements (3 semester hours)

Students must complete 3 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.

Total= 61 semester hours

Associate of Arts - General Studies

The Associate of Arts in General Studies degree is designed to provide a solid foundation for further academic achievement providing students opportunities to develop knowledge, skills, and abilities that are readily applicable to the student’s personal or professional interests. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in General Studies also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)

- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab

- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Elective Requirements (24 semester hours)

Students must complete 24 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.

Total = 61 semester hours

Associate of Arts - History

The Associate of Arts in History is offered to better suit professional aspirations and interests of our students. This degree ensures that students will learn about historical periods across a global perspective. Students in this program are exposed to various pivotal historical events, cultures, and regions. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)

- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650

Select 2 courses from the following:

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST121 - Western Civilization Before The Thirty Years War
- HIST122 - Western Civilization Since Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877

And select 2 courses from the following:

- HIST213 - History of Women in the United States
- HIST214 - History of Latinos in the United States
- HIST223 - History of the American Indian

Elective Requirements (6 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.

Total = 61 semester hours

Associate of Arts - Hospitality

The Associate of Arts in Hospitality provides students a general basis in fundamental restaurant operations. Students are exposed to several facets of this challenging career including purchasing and storage, food service sanitation, food preparation, legal aspects and insurance, and marketing and sales.

Program Objectives:

Students who successfully complete the Associate of Arts in Hospitality will have achieve the following objectives:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#)
- [HOSP203 - Hotel and Restaurant Purchasing](#)
- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP303- Hospitality Marketing](#)

Concentration in Restaurant Operations Requirements (9 semester hours)

- [HOSP101 - Foodservice Sanitation](#)
- [HOSP200 - Food and Beverage Management](#)

And select 1 course from the following:

- [HOSP202 - Quantity Food Preparation](#)
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#)

Final Program Requirements (3 semester hours)

- [HOSP295 - Restaurant Operations Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)
There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Management

The Associates of Arts in Management lays the foundation by introducing students to the theoretical concepts and practical applications in the field of management. Students will explore the skill sets necessary to effectively lead and manage a global workforce. Topics of study include ethics, management communications, human resources management, supervision, human resource development, organizational behavior, and human relations. Successful completion of the program prepares graduates for entry-level supervisory positions and responsibilities.

Program Objectives:

Students who successfully complete the Associate of Arts in Management will have completed the following objectives:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [MGMT100 - Human Relations](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [ECON101 - Microeconomics](#)
- [MGMT200 - Ethics Fundamentals](#)

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:

In addition to the institutional and general education level learning objectives, the Associate of Arts, Human Resources concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Human Resources, graduates in this degree program 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)

- [HRMT200 - Human Resource Fundamentals](#)

Select 2 courses from the following:

- [HRMT201 - Employee Training and Development](#)
- [HRMT202 - Interviewing Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)

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:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Management, Retail Management concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program 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)

- [RTMG150 - Retail Organization Fundamentals](#)

Select 2 courses from the following:

- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [RTMG204 - Finance Fundamentals](#)

Final Program Requirement (3 semester hours)

- [MGMT295 - Management Seminar \(to be taken as the last course before graduation\)](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Military History

The Associate of Arts in Military History degree ensures that students will learn about warfare from ancient times to the present and the patterns of western ways of war. Students in this program are exposed to how warfighting and foreign policy are related as well as military service histories. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in Military History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Military History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- MILH201 - Introduction to Military History
- MILH202 - Survey of American Military History
- HLSS151 - Introduction to Terrorism
- IRLS214 - American Foreign Policy
- MILH221 - War from Antiquity to 1700
- MILH222 - War from 1700 to the Present

Elective Requirements (6 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.

Total = 61 semester hours

Associate of Arts - Real Estate Studies

The Associate of Arts in Real Estate Studies provides a general basis in fundamental business skills for students considering a business career. For students planning to enter one of several real estate-specific career fields upon graduation, the program examines the basic experience, education and licensing requirements as well as personal attributes required to succeed in these career areas. These careers include real estate salesperson/broker, residential real property inspector, real property appraiser, mortgage broker/loan officer, or property manager.

Program Objectives:

Students who successfully complete the Associate of Arts in Real Estate Studies will have completed the following objectives:

- 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 state 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- BUSN100 - Basics of Business
- BUSN120 - Real Estate Principles
- ACCT105 - Accounting for Non Accounting Majors
- BUSN121 - Real Estate Practice
- BUSN220 - Real Estate Finance
- BUSN221 - Real Estate Appraisal
- BUSN222 - Real Estate Property Management
- LSTD202 - Real Estate Law

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Retail Management

The Associate of Arts in Retail Management will provide the basic skills needed to effectively manage a variety of retail organizations. By developing management skills directly related to the retail industry, this program is designed for students who wish to develop the skills necessary to become successful retail managers. This program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the retail management field, and/or serves as a background for further baccalaureate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of retail management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG204 - Finance Fundamentals](#)

Major Requirements (9 semester hours)

Select 3 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)
- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [TLMT200 - Retail Shipping and Receiving](#)

- [TLMT201 - Retail Transportation](#)

Final Program Requirements (3 semester hours)

- [RTMG295 - Retail Management Seminar \(to be taken as the last course before graduation\)](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Weapons of Mass Destruction Preparedness

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively counter the threat posed by terrorist groups armed with weapons of mass destruction. Political and military leaders are still grappling with strategies to combat the terrorism as witnessed by events around the world and daily in Iraq and Afghanistan.

Students in this program will explore the motivations for terrorism, terrorist strategy and tactics and the implications of terrorist use of weapons of mass destruction. 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 their own repertoire of 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.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the spectrum of weapons of mass destruction, counter terrorism and national security. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Weapons of Mass Destruction Preparedness also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of weapons of mass destruction, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [EDMG340 - Consequence Management](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS310 - Critical Infrastructure Protection](#)
- [HLSS312 - Port Security](#)

Elective Requirements (0 semester hours)
There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Science - Accounting

This program is for those students who want to enter the business world as an entrepreneur or manager of a small business. An Associate of Science in Accounting 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.

Program Objectives:

Students who successfully complete the Associate of Science in Accounting will achieve the following objectives:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calcululus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

Core Requirements (18 semester hours)

- [ACCT100 - Accounting I](#)
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [BUSN100 - Basics of Business](#)
- [ITCC111 - Basic Productivity Applications](#)
- [ACCT301 - Intermediate Accounting I](#) [Prerequisite: ACCT101 - Accounting II]
- [BUSN311 - Law and Ethics in the Business Environment](#)

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:

Students who successfully complete this program 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)

Select 1 course from the following:

- [ACCT300 - Financial Accounting](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT302 - Intermediate Accounting II](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT303 - Intermediate Accounting III](#) [Prerequisite: ACCT302 - Intermediate Accounting II]
- [ACCT305 - Accounting Information Systems](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT400 - Auditing](#) [Prerequisite: ACCT303 - Intermediate Accounting III]
- [ACCT401 - Cost Accounting](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT406 - Managerial/ Cost Accounting](#)
- [ACCT410 - Governmental and Not-for-Profit Accounting](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT415 - Law for Accountants](#)
- [ACCT420 - Individual Federal Tax](#) [Prerequisite: ACCT100 - Accounting I]

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Computer Applications

The Associate of Science in Computer Applications Program fills the need in the Information Technology marketplace for entry-level application development professionals and for foundational education in application development. This program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with application development. This program produces academically sound entry-level application development professionals with the necessary foundation to be productive in the IT industry.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Computer Applications Program also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- ENTD200 - Fundamentals of Programming
- ENTD211 - Introduction to Software Design
- ITCC111 - Basic Productivity Applications
- ITCC112 - Advanced Productivity Applications
- ITCC121 - Introduction to Computer Science
- ITCC231 - Introduction to Information Technology Writing

Elective Requirements (3 semester hours)

Students must complete 3 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.

Total = 62 semester hours

Associate of Science - Database Application Development

The Associate of Science in Database Application Development Program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with database application development. This program produces academically sound and functionally competent database professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for database professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Database Application Development Program also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (15 semester hours)

- [WEBD121 - Web Development Fundamentals](#)
- [INFO161 - Relational Databases with Microsoft Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#)
- [INFO262 - Relational Databases with Microsoft Access: Project](#)

Elective Requirements (6 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.

Total = 62 semester hours

Associate of Science - Explosive Ordnance Disposal

The Associate of Science in Explosive Ordnance Disposal degree is designed to meet the education requirements for students of explosive ordnance disposal. Graduates may apply the degree toward professional advancement or choose to pursue further study. In addition to becoming familiar with the history of explosives, explosive ordnance disposal concepts, and the science behind explosive devices, the student will also learn about emergency response to terrorist incidents and national security.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Explosive Ordnance Disposal seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of explosive ordnance disposal, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (20 semester hours)

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [HLSS230 - Chemistry of Explosives](#)
- [HLSS231 - History of Explosive Ordnance Disposal](#)
- [HLSS232 - Electronics, Electricity and Explosives](#)
- [HLSS233 - Explosive Incident Assessment: Methods, Practices and Protocols](#)

Final Program Requirements (3 semester hours)

- [EXOD299 - Sophomore Seminar in Explosive Ordnance Disposal](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 64 semester hours

Total = 61 semester hours

Associate of Science - Fire Science

The Associate of Science in Fire Science provides students with the foundation for beginning practice in the Fire Science profession, as well as a springboard to additional study at the baccalaureate level.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Fire Science also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)

FREN100 - French I

- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab

- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [FSMT102 - Fire Behavior and Combustion](#)
- [FSMT188 - Fire Prevention](#)
- [FSMT201 - Fire Protection Systems](#)
- [FSMT210 - Fundamentals of Fire Protection](#)
- [FSMT287 - Fire Protection in Building Construction](#)
- [FSMT289 - Fire Protection Hydraulics and Water Supply](#)

Final Program Requirements (3 semester hours)

- [FSMT299 - Sophomore Seminar in Fire Science](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Paralegal Studies

The Associate of Science in Paralegal Studies prepares students for paraprofessional positions in the legal field. Graduates may use their degree to obtain an immediate position in the field or choose to pursue further study. Students pursuing an Associate of Science in Paralegal Studies must obtain specific skill sets before being eligible for graduation. In addition to becoming familiar with basic principles of the law, students will also acquire analytical, technical, and communication skills.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Paralegal Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of paralegal studies, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calcululus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD210 - Legal Ethics](#)

Final Program Requirements (3 semester hours)

- [LSTD299 - Sophomore Seminar in Paralegal Studies](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Public Health

The Associate of Science in Public Health will serve those professionals who wish to gain an entry-level position in public health and health services administration professions in a limited or technical manner. Graduates would be able to continue and earn a Bachelor of Science in Public Health to raise their employability in the profession.

Program Objectives:

In addition to the institutional and general education learning level objectives, the Associate of Science in Public Health also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to serve as practicing Public Health Professionals and:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- COMM285 - Interpersonal Communications
- PBHE112 - Health Services Organization
- PBHE209 - Wellness: Health Promotion and Disease Prevention
- PHIL200 - Introduction to Ethics
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- MGMT312 - Leadership & Motivation

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Web Publishing

The explosive growth of the Internet has generated a significant need for Web Publishing professionals and consequently for education in Web Publishing. The Associate of Science in Web Publishing Program fills this educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the World Wide Web and with Web Publishing. This program produces academically sound and functionally competent Web Publishing professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for Web Publishing professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Web Publishing Program also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (15 semester hours)

- [WEBD121 - Web Development Fundamentals](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD221 - Intermediate Web Development](#) [Prerequisite: WEBD121 - Web Development Fundamentals]
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD241 - Web Development using JavaScript](#)

Elective Requirements (6 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.

Total = 62 semester hours

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 health-care 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 health-care related careers; including medical assistants, laboratory technicians, dental assistants, nursing, and numerous other careers within the healthcare industry.

Program Objectives:

Students who successfully complete the Associate of Applied Science in Health Sciences will have completed the following objectives:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (12 semester hours)

Communications - 6 semester hours

- [COMM200 - Public Speaking](#)
- [COMM240 - Intercultural Communication](#)
- [COMM285 - Interpersonal Communications](#)
- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL200 - Composition and Literature](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Social Sciences - 3 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

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:

- [BIOL133 - General Biology with Lab I](#) (4 hours)
- [BIOL134 - General Biology with Lab II](#) (4 hours)
- [CHEM133 - General Chemistry with Lab I](#) (4 hours)
- [BIOL250 - Human Anatomy and Physiology with Lab I](#) (4 hours)
- [PHYS133 - Elements of Physics I with Lab](#) (4 hours)
- [BIOL202 - Principles of Microbiology with Lab](#) (4 hours)
- [SCIN211 - Principles of Genetics with Lab](#) (4 hours)

Elective Requirements (18 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.

Total = 61 semester hours

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 will be eligible to receive a certificate in technical management, while gaining a foundation in preparation for the bachelor's in technical management program.

Program Objectives:

Students who successfully complete the Associate of Applied Science in Technical Management will have completed the following objectives:

- 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.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (19 semester hours)

Communications - 6 semester hours

- [COMM200 - Public Speaking](#)
- [ENGL101 - Proficiency in Writing](#)

Mathematics -3 semester hours

- [MATH110 - College Algebra](#)

Science -4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)

SCIN136 - Introduction to Oceanography with Lab

- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics [Required]
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- ACCT105 - Accounting for Non-Accounting Majors
- BUSN100 - Basics of Business
- MGMT101 - Principles of Supervision
- BUSN250 - Analytics I
- EDMG220 - Emergency Planning
- MGMT310 - Principles of Management
- BUSN311 - Law and Ethics in the Business Environment
- MGMT312 - Leadership & Motivation

Elective Requirements (15 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.

Total = 61 semester hours

Bachelor of Business Administration

This degree program is professionally focused degree and is designed to produce graduates who possess practical knowledge and associated critical thinking skills desired in today's competitive business world. Students will be grounded in the study of business through a core curriculum of management, information systems, marketing, law, finance, accounting, economics, and business strategy. They are also given the opportunity to pursue interesting specializations in areas of their choice including business analysis, entrepreneurial/small business, international business management, information technology management, and marketing. This degree is applicable for any student interested in or working in any number of business, government, military, or other professions.

Statement of Mission - School of Business

APUS' School of Business 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.

Priorities:

- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
- Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
- Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
- Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to accomplish the following:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)

- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [BUSN100 - Basics of Business](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MKTG201 - Fundamentals of Marketing](#)
- [ACCT105 - Accounting for Non Accounting Majors](#)
- [ITCC200 - Application Software Integration](#)
- [ECON201 - Microeconomics for Business](#)
- [ECON202 - Macroeconomics for Business](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#) [Prerequisite: MATH110 - College Algebra or MATH225 - Calculus]
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [FINC300 - Foundations of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra or MATH111 - College Trigonometry or MATH225 - Calculus]

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)

Select 4 courses from the following:

- [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](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [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](#)
- [ITCC200 - Application Software Integration](#)
- [ITMG321 - Information Technology Project Management](#)

- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG407 - International Marketing](#)
- [WEBD311 - Internet Concepts](#)

Concentration in Business Analysis (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Business Analysis seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)

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

Students who successfully complete this program 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

- [BUSN250 - Analytics I](#)
- [BUSN350 - Analytics II](#)
- [BUSN450 - Applied Analytics](#)
- [BUSN332 - Business Use Cases](#)

Concentration in Economics (12 semester hours)

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

Students who successfully complete this program 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

- [ECON301 - Comparative Economics](#)
- [ECON302 - Environmental Economics](#)
- [ECON303 - International Economics](#)
- [ECON304 - Monetary Economics](#)

Concentration in Entrepreneurial/Small Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Entrepreneurial/Small Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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)

- [BUSN316 - Fundamentals of Entrepreneurship](#)
- [BUSN318 - Small Business Management](#)
- [BUSN415 - Small Business Growth and Development](#)
- [ENTR311 - Business Plan Foundations](#)

Concentration in Information Technology Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Information Technology Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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):

- [ITMG321 - Information Technology Project Management](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [WEBD311 - Internet Concepts](#)

Concentration in International Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in International Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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)

- [BUSN419 - International Business Management](#)
- [FINC410 - International Finance](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [MKTG407 - International Marketing](#)

Concentration in Marketing (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Marketing seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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)

- [BUSN320 - Principles of E Business](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)

Final Program Requirements (3 semester hours)

- [BUSN499 - Senior Seminar in Business Administration](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Criminal Justice

This degree program prepares students for a wide range of careers within the criminal justice field, and at the same time, enhances the professional career paths of those already within the discipline. The degree program's interdisciplinary approach provides students with a sound knowledge base in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings further enable students to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures/techniques, and forensics. For those students interested, concentrations in Organizational Law Enforcement Leadership and Maritime Law Enforcement are available. The curriculum also provides the background and educational experience necessary for those who may wish to later pursue graduate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Criminal Justice also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

MATH111 - College Trigonometry

- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- CMRJ201 - Criminal Justice Administration
- CMRJ300 - Research Methods of Criminal Justice and Security
- CMRJ302 - U.S. Law Enforcement
- CMRJ303 - Criminology
- CMRJ306 - Criminal Investigation

- [CMRJ308 - Ethics in Criminal Justice](#)
- [CMRJ316 - Corrections and Incarceration](#)
- [LSTD301 - Constitutional Law](#)
- [LSTD302 - Criminal Law](#)
- [LSTD400 - Criminal Legal Process](#)

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

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [ANTH203 - Introduction to Forensic Anthropology](#)
- [CMRJ100 - Introduction to Law Enforcement](#)
- [CMRJ101 - Evidence and Procedures](#)
- [CMRJ202 - Stress Management in Law Enforcement](#)
- [CMRJ203 - Patrol Methodologies and 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](#)
- [CMRJ490 - Independent Study: Criminal Justice](#)
- [COMM240 - Intercultural Communication](#)
- [COMM285 - Interpersonal Communications](#)
- [INTL411 - International Crime Organizations](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [LSTD204 - Introduction to the Courts](#)
- [LSTD453 - Evidence](#)
- [SCMT319 - Global Terrorism](#)
- [SCMT370 - Principles and Theory of Security Issues](#)

Concentration in Maritime Law Enforcement (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [LSTD401 - Maritime Law](#)

Concentration in Organizational Law Enforcement Leadership (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [FINC405 - Budget Development and Execution](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership & Motivation](#)
- [MGMT313 - Organizational Change](#)

Final Program Requirements (3 semester hours)

- [CMRJ499 - Senior Seminar in Criminal Justice](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Emergency and Disaster Management

The nature of disasters and large-scale catastrophic events requires professionals with a background and education in dealing with natural and man-made hazards. This degree prepares students for careers in emergency management and public safety careers. From the smallest incident to the largest catastrophe, our emergency and disaster management stresses the fact that “all disasters are local,” which is a foundational emergency management concept. In addition, we introduce our students to the all-hazards approach, emergency and disaster management phases, risk assessment, prevention and management, counter-terrorism, consequence management, mitigation, and recovery.

Emergency and disaster management faculty has credentials in antiterrorism, forensics, explosives ordnance disposal, pre-disaster mitigation, planning, response to natural disasters, rapid deployment, fire services at local, tribal, and state levels, as well as at the national level. Many faculty members are board-certified emergency managers (CEM) through the International Association of Emergency Managers (IAEM). In addition, many adjunct faculty serve in key positions at the U.S. Department of Homeland Security, State Department, Federal Bureau of Investigation, National Fire Academy, Transportation Security Administration, and the Federal Emergency Management Agency. Our Emergency and Disaster Management program is recognized by the Foundation of Higher Education for Disaster and Emergency Management and Homeland Security. We are the first 100% on-line institution to receive this important distinction.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Emergency and Disaster Management also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (31 semester hours)

- [EDMG101 - Introduction to Emergency Management](#)
- [EDMG220 - Emergency Planning](#)
- [EDMG230 - Emergency and Disaster Incident Command](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)

- [COLL300 - Research, Analysis, and Writing](#)
- [EDMG320 - Natural Disaster Management](#)
- [EDMG330 - Managerial Issues in Hazardous Materials](#)
- [EDMG340 - Consequence Management](#)
- [PBHE413 - Special Operations in Emergency Medical Services](#)
- [PSYC431 - Psychology of Disaster](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [EDMG259 - Hazard Mitigation and Preparedness](#)
- [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](#)
- [EDMG321 - Social Media Applications to Emergency and Disaster Management](#)
- [EDMG420 - Risk Communications](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [PBHE426 - Quarantine](#)
- [TLMT381 - Hazardous Materials Management](#)

Final Program Requirements (3 semester hours)

- [EDMG498 - Senior Seminar in Emergency and Disaster Management](#) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

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

Total = 122 semester hours

Bachelor of Arts in English

Students in this program learn to organize thoughts and ideas and express them with eloquence and clarity as they explore English, American, and World Literature. Students graduating from this program apply their skills and abilities in professions requiring exceptional communication skills such as public relations, editing, writing, desktop publishing, reporting, legal and research assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in English also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of English, graduates in this degree program will be able to:

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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- ENGL230 - Introduction to Linguistics
- COLL300 - Research, Analysis, and Writing
- ENGL401 - History of the English Language
- LITR310 - British Fiction
- LITR316 - British Poetry
- LITR320 - American Fiction
- LITR322 - American Poetry I
- LITR330 - Literary Theory
- LITR402 - Shakespeare: An Author for the Ages

Select 1 course from the following:

- LITR403 - The Work and Life of Ernest Hemingway
- LITR404 - Mark Twain

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)

Select 6 courses from the following:

- [COMM350 - Journalism](#)
- [ENGL120 - Creative Writing](#)
- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL322 - The Personal Essay](#) [Prerequisite: [ENGL120 - Creative Writing](#)]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: [ENGL120 - Creative Writing](#)]
- [LITR324 - African-American Literature](#)
- [LITR341 - Folklore](#)
- [LITR355 - Latin American Literature](#)
- [LITR365 - Middle Eastern Literature](#)
- [LITR370 - African Literature](#)

Concentration in Writing (18 semester hours)

- [ENGL120 - Creative Writing](#)
- [COMM350 - Journalism](#)

Select 4 courses from the following:

- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL322 - The Personal Essay](#) [Prerequisite: [ENGL120 - Creative Writing](#)]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: [ENGL120 - Creative Writing](#)]

Final Program Requirements (3 semester hours)

- [ENGL498 - Senior Seminar in English](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Entrepreneurship

This degree program is designed to equip graduates with a practical, hands-on understanding of what it takes to be a successful entrepreneur in today's environment. Students will learn about leveraging a variety of business opportunities into viable business entities. Studies include idea generation, marketing, management, operations, capital funding, and the legal aspects of beginning a new venture. This degree is applicable for any student who has a desire to start his/her own entrepreneurial enterprise, plans to take over a family owned business, or begin their venture.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ENTR150 - Idea Generation](#)
- [ACCT105 - Accounting for Non Accounting Majors](#)
- [ENTR215 - Innovation Design and Prototyping](#) [prerequisite: ENTR150 - Idea Generation]
- [ENTR210 - Entrepreneurs as Leaders](#)
- [ENTR300 - Foundations of Entrepreneurship](#)
- [ENTR311 - Business Plan Foundations](#) [prerequisites: ENTR150 - Idea Generation, ENTR215 - Innovation Design and Prototyping, and ENTR300 - Foundations of Entrepreneurship]
- [ENTR427 - Technological Innovations](#)
- [ENTR320 - Practical Law for the Entrepreneur](#) [prerequisite: ENTR311 - Business Plan Foundations]
- [ENTR315 - Financing a New Venture](#)
- [ENTR410 - Money Management for Entrepreneurs](#) [prerequisites: ACCT105 - Accounting for Non Accounting Major and

ENTR311 - Business Plan Foundations]

- [ENTR426 – Strategic Growth and Market Penetration](#) [prerequisite: ENTR311 - Business Plan Foundations]
- [ENTR416 - Innovative Marketing](#) [prerequisite: ENTR311 - Business Plan Foundations]
- [ENTR312 - Social Entrepreneurship](#)

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

Students who successfully complete this program 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)

- [ENTR216 - Service Innovation and Delivery](#)
- [ENTR310 - The Family Owned Business](#)
- [ENTR313 - Non-profit Entrepreneurship](#)
- [ENTR421 - The Value of Networking](#)

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

Students who successfully complete this program 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)

Select four courses from the following:

- [HOSP101- Foodservice Sanitation](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP200 - Food and Beverage Management](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP202 - Quantity Food Preparation](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP304 - Nutrition in the Food Service Industry](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP200 - Food and Beverage Management]
- [HOSP314 - Foodservice Trends and Challenges](#) [Prerequisite: HOSP200 - Food and Beverage Management]
- [HOSP316 - History and Culture of Wine](#)
- [HOSP319 - Foodservice Facilities Design](#) [Prerequisite: HOSP200 - Food and Beverage Management]

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

Students who successfully complete this program 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)

Select four courses from the following:

- [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](#)

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

- 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)

Select 4 courses from the following:

- [ENTR200 - Leadership in Small Business Ventures](#)
- [ENTR340 - Small Business Customer Service](#)
- [ENTR415 - Marketing the Successful Small Business](#) [prerequisite: ENTR311 - Business Plan Foundations]
- [ENTR420 - Social Media to Grow Small Business](#)
- [ENTR425 Operating a Small Business](#) [prerequisite: ENTR311 - Business Plan Foundations]
- [ENTR430 Virtual Small Business](#)

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

Students who successfully complete this program 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)

Select four courses from the following:

- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [SPHE290 - Foundations of Sports and Health Sciences](#)
- [SPHE295 - Foundations of Nutrition](#)
- [SPHE316 - Sports and Recreation Faculty Management](#)
- [SPHE420 - Exercise Programming and Testing](#) [prerequisite: BIOL251- Human Anatomy and Physiology with Lab II]
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness](#)

Final Program Requirements (3 semester hours)

- [ENTR498 - Entrepreneurship Senior Capstone](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in General Studies

The Bachelor of Arts in General Studies is designed to meet the individual needs of the student. Students in this program focus on the development of critical thinking through the study of at least three different academic disciplines or fields of study from a broad range of interest areas including, but not limited to: Information Management and Technology; Culture, Society, and the Environment; National and Local Security; and Liberal and Interpretive Arts. This major offers students a chance to develop an appreciation and grasp of several academic disciplines. General Studies students are able to build and focus upon unique areas of study without the constraints of a regular major. Students graduating from this program apply their skills and abilities in public policy, government related fields, helping professions, human resources, and public relations, and are prepared for graduate studies where the focus will be narrower. The program also prepares students for entry into graduate studies.

Degree Program Objectives

In addition to the institutional- and degree-level learning outcomes objectives, the B.A. in General Studies seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (3 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)

Major Requirements (36 semester hours)

Select 3 courses from each of the four discipline areas or fields of study below:

Management and Technology

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [ENTD361 - Enterprise Development Using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [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
- SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]
- SPST303 - History of Space
- SPST304 - National Space Organization
- SPST307 - Space Policy

National and Local Security

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- 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
- PBHE315 - Health Economics and Finance
- PBHE361 - Moral Issues in Health Care
- 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. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- 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 Policy, Programs, and Issues
- EVSP411 - Environmental Policy, Regulation, and Law
- EVSP413 - Environmental and Ecosystems Management [Prerequisite: EVSP310 - Water Science]
- 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 [Prerequisite: ENGL101 - Proficiency in Writing]
- SOCI422 - Sociology of the Law [Prerequisite: SOCI111 - Introduction to Sociology]

Liberal and Interpretive Arts

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- 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

Final Program Requirements (3 semester hours)

- COLL498 - Senior Seminar in General Studies (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Government Contracting and Acquisition

The B.A. 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. This program takes advantage of the Contract Management Body of Knowledge (CMBOK) as defined by the National Contract Management Association.

Working with simulation-based scenario assignments created from real-world case studies, you will examine these topics, and more:

- Government contracting components, federal procurement processes, contract management and acquisition initiatives, service contacts, source selection, cost and price analysis and negotiations and ethics
- Principles of strategic planning to better achieve organizational goals
- System’s acquisition cycle from the point of view of government requirements and the efforts of civilian contractors
- Fundamental governing structure and regulations of defense systems acquisition management
- Process and criteria used by the government to evaluate and select proposals for contract, following the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS)

Note: This program evolved from the former Military Management and Program Acquisition degree.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Government Contracting and Acquisitions, graduates in this degree program will be able to have a foundation to help advance in the contract management profession. The degree program objectives are:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]

- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [DEFM200 - Fundamentals of Contracting and Acquisition](#)
- [ACCT105 - Accounting for Non Accounting Majors](#)

- [BUSN100 - Basics of Business](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [DEFM305 - Acquisition Business Management](#)
- [DEFM310 - Program and Acquisition Management I](#)
- [DEFM311 - Program and Acquisition Management II](#) [Prerequisite: [DEFM310 - Program and Acquisition Management I](#)]
- [DEFM312 - Defense Budget Development and Execution](#)
- [DEFM410 - Program Appraisal](#)
- [DEFM415 - Acquisition Test and Evaluation](#)
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#)]

Major Requirements (15 semester hours)

Select 5 courses from the following:

- [ACCT401 - Cost Accounting](#)
- [DEFM420 - Cost Analysis and Negotiation Techniques](#)
- [DEFM421 - Joint Contingency Contracting](#)
- [DEFM422 - Mission Support Contracting I](#)
- [DEFM423 - Mission Support Contracting II](#)
- [DEFM424 - Overhead Management of Defense Contracts](#)

Final Program Requirements (3 semester hours)

- [DEFM499 - Senior Seminar in Government Contracting and Acquisition](#) (to be taken as the last course before graduation)
[Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in History

This degree ensures that students will learn about the "big picture" through exposure to four historical perspectives, while allowing them to tailor the major to individual needs during the junior and senior years. Students in this program are exposed to the social impact, consequences, and changes of various pivotal historical events. They learn critical and analytical thinking, and effective writing and research methods. Students graduating from this program apply their skills and abilities as curators and archivists or in professions involving research, writing, editing, advocacy, politics, and historical preservation.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)

- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (9 semester hours)

- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST300 - Research Methods in History](#)

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 completion of this concentration, students 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)

- HIST230 - History of East Asia
- HIST301 - Ancient Greece
- HIST302 - Ancient Rome
- HIST402 - Colonial America
- HIST403 - The Early Republic, 1783-1815
- HIST406 - Civil War and Reconstruction, 1861-1877
- HIST350 - History of the Middle East
- HIST310 - History of Modern Europe
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WW II to the Present

And select 3 courses from the following:

- HIST290 - History of the Holocaust
- 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
- HIST320 - History of Russia
- HIST340 - History of Africa
- HIST360 - History of Latin America
- HIST480 - Special Topic: History
- HIST490 - Independent Study: History

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 completion of this concentration, students 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)

- HIST402 - Colonial America
- MILH320 - The American Revolution
- 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
- MILH360 - World War II
- HIST409 - The United States: WW II to the Present

And select 3 courses from the following:

- 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

Concentration in European History (39 semester hours)

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 completion of this concentration, students 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)

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST304 - The Renaissance](#)
- [HIST305 - France in the Age of Enlightenment](#)
- [MILH365 - The Napoleonic Wars and the Long Peace](#)
- [HIST306 - The British Empire](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)
- [HIST308 - History of European Colonialism](#)
- [HIST310 - History of Modern Europe](#)

And select 3 courses from the following:

- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST360 - History of Latin America](#)
- [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

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 completion of this concentration, students 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)

- HIST230 - History of East Asia
- HIST340 - History of Africa
- HIST350 - History of the Middle East
- HIST308 - History of European Colonialism
- HIST306 - The British Empire
- HIST360 - History of Latin America
- HIST320 - History of Russia
- HIST310 - History of Modern Europe
- MILH355 - World War I
- MILH360 - World War II

And select 3 courses from the following:

- HIST301 - Ancient Greece
- HIST302 - Ancient Rome

- [HIST408 - The United States: 1900 to the Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [HIST480 - Special Topic: History](#)
- [HIST490 - Independent Study: History](#)

Final Program Requirements (6 semester hours)

- [HIST491 - Writing a Research Proposal](#)
- [HIST498 - Senior Seminar in History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal and Senior Standing and completion of all core and major courses prior to enrollment. May not be taken concurrently with HIST491.]

Elective Requirements (30 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Homeland Security

The idea of homeland security as an enterprise took root as a response to the federal government being caught off-guard by 9/11. The homeland security concept was premised on the assumption that public safety related fields operated too much in isolation from each other. Those cylinders created vulnerabilities al Qaeda exploited. So what is “homeland security?” The Department of Homeland Security establishes a shared vision of homeland security in order to achieve a “unity of purpose” and defining the term as the “intersection of evolving threats and hazards with traditional governmental and civic responsibilities for civil defense, emergency response, law enforcement, customs, border patrol, and immigration”. This vision of homeland security assumes that all of these responsibilities will be seen under one overarching concept of the homeland security enterprise that recognizes the need for joint actions and efforts across previously discrete elements of government and society.

Members of the homeland security enterprise, such as DHS, state and local public safety entities, and many corporations are looking for the next generation of homeland security leaders. They are aggressively searching for people who have the comprehensive educational training to be intellectual and strategic leaders in this emerging field. Homeland Security employers are vocal in stating their need for professionals who will contribute new ideas; people who are able to identify and critique unexamined assumptions of policy and strategy, who can contribute their own perspectives, and who have the ability to translate good intentions into effective action.

There is genuine need for professionals who can think and operate across the homeland security enterprise while at the same time contributing expertise in one or more area concentrations that comprise the field as a whole. The AMU Homeland Security Studies Program is designed to make students homeland security experts and meet this market need. This is achieved by offering our students a holistic liberal arts homeland security education that covers the range of domestic security effort so students develop the policy and analytical skills necessary to become leaders in the field.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Homeland Security also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of homeland security, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century

- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [HLSS300 - Research Methods in Homeland Security Studies](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS310 – Critical Infrastructure Protection](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [HLSS322 - Homeland Security Legal and Ethical Issues](#)

Major Requirements (27 semester hours)

Select 9 courses from the following:

- [CMRJ203 - Patrol Methodologies and Community Policing](#)
- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [EDMG220 - Emergency Planning](#)
- [EDMG230 - Emergency and Disaster Incident Command](#)
- [EDMG259 - Hazard Mitigation and Preparedness](#)
- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [EDMG340 - Consequence Management](#)
- [EDMG420 - Risk Communications](#)
- [HLSS303 - Homeland Security Risk, Threats and Consequences](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS312 - Port Security](#)
- [SCMT319 - Global Terrorism](#)
- [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 and 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](#)

Final Program Requirements (3 semester hours)

- [HLSS498 - Senior Seminar in Homeland Security](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Hospitality Management

The Bachelor of Arts in Hospitality Management is designed to prepare students for entry- to mid-management positions in global hospitality workplaces. Core courses diversify the students’ skill sets in a variety of hospitality, organizational and managerial issues.

There are four concentration areas:

- Food Service
- Lodging
- Meeting and Event Planning
- Tourism

Students in this degree typically have an interest in owning or managing a restaurant or working in senior management in a lodging facility or destination management organization. The degree is open to all students and is designed to provide a foundation of research, critical thinking, and writing skills that could be useful in further study and professional work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Hospitality Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#)
- [HOSP101 - Foodservice Sanitation](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)
- [HOSP300 - Managerial Accounting for the Hospitality Industry](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP302 - Hospitality Law](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP321 - Marketing and the Hospitality Industry](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP335 - Leadership and Management in Hospitality](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP400 - Quality Service Management](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]

- [MGMT314 - Management Ethics](#)

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)

Objectives

Students who successfully complete this program 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)

Select 7 courses from the following:

- [HOSP200 - Food and Beverage Management](#) [Prerequisite: HOSP100]
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel and Restaurant Purchasing](#) [Prerequisite: HOSP100]
- [HOSP304 - Nutrition in the Food Service Industry](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]
- [HOSP314 - Foodservice Trends and Challenges](#) [Prerequisite: HOSP100]
- [HOSP316 - History and Culture of Wine](#)
- [HOSP319 - Foodservice Facilities Design](#)

Concentration in Lodging (21 semester hours)

Objectives

Students who successfully complete this program 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)

Select 7 courses from the following:

- [HOSP203 - Hotel and Restaurant Purchasing](#)
- [HOSP206 - Introduction to Lodging Management](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]

[HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]

- [HOSP310 - Management of Lodging Operations](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#)
- [HOSP322 - Managing Housekeeping Operations](#)
- [HOSP325 - Revenue Management for the Hospitality Industry](#)
- [HOSP328 - International Hotel Management](#)
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP355 - Loss Prevention/Security Management](#)

Concentration in Meeting and Event Planning (21 semester hours)

Objectives

Students who successfully complete this program 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):

- [HOSP308 - Meeting and Convention Planning](#) [Prerequisite: HOSP100]
- [HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP413 - Meeting and Event Risk Management](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Cultures](#) [Prerequisite: HOSP100]

Concentration in Tourism (21 semester hours)

Objectives

Students who successfully complete this program 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)

Select 7 courses from the following:

- [HOSP205 - Tourism and Travel Industry](#) [Prerequisite: HOSP100]
- [HOSP212 - Fundamentals of Tourism Management](#)
- [HOSP215 - Cruise Lines Operations](#)

- [HOSP311 - Club Management](#)
- [HOSP313 - Theory and Concepts of Leisure](#) [Prerequisite: HOSP100]
- [HOSP323 - Introduction to Parks and Recreation](#) [Prerequisite: HOSP100]
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP412 - Destinations Management and Marketing](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Culture](#)

Final Program Requirements (3 semester hours)

- [HOSP495 - Senior Seminar in Hospitality Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core, major, or concentration courses prior to enrollment.]

Elective Requirements (30 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Human Development and Family Studies

The Bachelor's Degree in Human Development and Family Studies focuses on the study of human development, within the contexts of the family, the community, and the broader national and international culture. The Program is based on a systems view of human interaction, with emphasis on how people are affected by their environments, and how they, in turn, have an impact on others.

Careers with this degree

Graduates of this program are well positioned to pursue numerous career paths. The specialized knowledge gained during study prepares graduates to work in community-based social service agencies, early childhood education centers and programs, hospitals and hospice organizations, governmental and policy positions, and in research, writing and media development.

Human Development and Family Studies professionals are on the front lines in adoption and foster care agencies, overseeing the welfare of young children who may have been displaced by divorce, substance abuse, or death of biological parents. On the other end of the developmental spectrum, Human Development and Family Studies professionals may work in nursing homes or agencies tending to the special needs of senior citizens and their caretakers.

Professionals with this degree may choose to work in pre-school settings, and may find that their academic preparation provides them an opportunity to serve as a manager or supervisor. Their special knowledge of the early phases of the lifecycle may enable them to work as early intervention professionals, helping to spot and treat children's development delays.

Professionals in this area may also provide hands-on assistance in treating people who have undergone physical or emotional trauma, or who are dealing with addictions or abuse. They may be employed as assistants in residential halfway houses specializing in helping people regain independence and dignity.

Specific Career Requirements

Early Childhood Care and Education

If you wish to work in the early childhood care profession, please note that each state has different certification/licensing requirements for childcare providers. The bachelor's degree in Human Development and Family Studies can provide students with the academic background they need, but states often require additional hands-on training or site visitation, not provided by APUS. As an alternate route, students may wish to consider the [Associate of Arts degree in Early Childhood Care and Education](#).

We are honored to have been designated an approved Early Childhood Education Training Institution by the Council for Professional Recognition, which offers the national Child Development Associate (CDA) designation (<http://www.cdacouncil.org/>).

Certified Family Life Educator

This degree provides an ideal academic background for students who wish to pursue the Certified Family Life Educator credential, sponsored by the National Council on Family Relations. To learn more about this credential, please go to the Certified Family Life Educator {CFLE} website: <http://www.ncfr.org/cfle-certification>. Students wishing to pursue this credential need to take these classes from within the Major Requirements, in addition to the Core requirements, in order to qualify for the academic portion of the CFLE:

- CHFD220 - Human Sexuality
- CHFD350 - Family Life Education
- CHFD360 - Family Resource Management
- CHFD348 - Marriage and the Family
- CHFD445 - Family Communications
- CHFD446 - Families and Social Action
- CHFD498 - Senior Seminar in Child and Family Development

Further education

This degree is not designed to qualify students to become K-12 schoolteachers. Students who earn this degree, and wish to become classroom teachers for K-12 students, will also need to meet the regulations for teacher certification/ licensure in the state in which they wish to teach.

Students who wish to pursue careers as therapists, counselors, school counselors, social workers, or clinical psychologists will need to earn a Master's Degree or Doctorate to qualify for this kind of work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Human Development and Family Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of family and child development, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I

- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- CHFD215 - Introduction to Child Development
- CHFD220 - Human Sexuality
- CHFD225 - Introduction to the American Family
- CHFD307 - Child and Adolescent Development
- CHFD308 - Infant-Toddler Development
- CHFD331 - Parenting
- CHFD340 - Family Development
- CHFD342 - Human Life Span Development
- SOCI331 - Research Methods for Sociology
- SOCI332 - Statistics for Social Science

Major Requirements (24 semester hours)

Child Development

Select 4 courses from the following:

- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD311 - Guidance in Early Childhood](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD411 - Child Psychopathology](#) [Prerequisite: CHFD307 - Child and Adolescent Development]
- [CHFD415 - Children and Stress](#)
- [HDFS401 - Child Life Theory and Practice](#)

Family Development

And select 4 courses from the following:

- [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](#)

Final Program Requirements (3 semester hours)

- [CHFD498 - Senior Seminar in Child and Family development](#) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

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

Total = 124 semester hours

Bachelor of Arts in Intelligence Studies

This degree provides instruction in the multidisciplinary field of intelligence studies and is designed for students who are currently employed or wish to pursue positions as military, civilian, or corporate intelligence specialists. The program's core courses impart substantive knowledge and analytic skills required by all professionals in the intelligence community. Students may also pursue concentrated study in several functional areas or intelligence sub-fields. Student learning is greatly enhanced by the diversity of program professors with strong professional and academic backgrounds in intelligence studies, many who currently work in the U.S. national intelligence community.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Intelligence Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of intelligence studies, graduates in this degree program 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.
- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [INTL200 - Introduction to Intelligence Studies](#)
- [IRLS210 - International Relations I](#)
- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL301 - The U.S. Intelligence Community](#)
- [INTL304 - Intelligence Collection](#)
- [INTL305 - Law and Ethics in Intelligence](#)
- [INTL401 - Critical Analysis](#)
- [INTL434 - Threat Analysis](#)
- [INTL443 - Foreign Intelligence Organizations](#)

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)

Concentration Requirements (27 semester hours)

Select 9 courses from the following:

- [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](#)

Concentration in Asian Area Studies (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [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](#)

Concentration in Counterintelligence (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)

Concentration in Criminal Intelligence (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)

Select 7 courses from the following:

- [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](#)

Concentration in Cyber (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL440 - Cyber Warfare](#)

Select 6 courses from the following:

- [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](#)

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

Students who successfully complete this program 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)

- [GEOG200 - Fundamentals of Geographic Information Systems I](#)
- [GEOG201 - Fundamentals of Geographic Information Systems II](#)
- [INTL419 - Applied Geospatial Intelligence](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL422 - Open Source Collection](#)
- [INTL442 - Tactical Intelligence](#)
- [INTL440 - Cyber Warfare](#)

Concentration in Intelligence Analysis (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [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](#)

Concentration in Intelligence Collection (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL410 - Counterintelligence](#)
- [INTL413 - Denial and Deception](#)
- [INTL419 - Applied Geospatial Intelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)

Concentration in Intelligence Operations (27 semester hours)

Objectives

Students who successfully complete this program 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)

Select 9 courses from the following:

- [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](#)

Concentration in Latin America Area Studies (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)

And select 8 courses from the following:

- [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](#)

Concentration in Middle East Area Studies (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)
- [ARAB100 - Arabic I](#)

And select 7 courses from the following:

- [HIST350 - History of the Middle East](#)
- [IRLS213 - Political Geography](#)
- [IRLS360 - Global Politics of Islam](#)

- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [LITR365 - Middle Eastern Literature](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS353 - Islam](#)

Concentration in Terrorism Studies (27 semester hours)

Objectives

Students who successfully complete this program 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)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL440 - Cyber Warfare](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [PSYC360 - Psychology of Terrorism](#)
- [SCMT319 - Global Terrorism](#)

Final Program Requirements (3 semester hours)

- [INTL498 - Senior Seminar in Intelligence Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in International Relations

This degree gives students an understanding of the world and analyzes the nature of modern global relationships. Due to interdisciplinary nature of international relations, the student develops broad critical thinking skills in politics, economics, culture, and history. Through analysis of contemporary issues, students develop specialized skills that combine theory and practice within the field. Students explore the interconnectedness of global economies, societies and cultures through a focus on civic engagement and social responsibility. This core of the degree focuses on the central concerns of international relations - diplomacy, foreign policy analysis, international organizations, global development, and international relations theory. The BA in International Relations degree 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

Graduates of this degree will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [IRLS210 - International Relations I](#)
- [IRLS211 - International Relations II](#)
- [IRLS214 - American Foreign Policy](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS402 - International Law and Regimes](#)

Students must choose a concentration for this degree program and may select from either the Concentration in International Studies, Concentration in Comparative Politics, Concentration in Peacekeeping, Concentration in African Studies, Concentration in Asian Studies, Concentration in European Studies, Concentration in Latin American Studies, Concentration in Globalization and Human Security.

Concentration in African Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the sub-Saharan African community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within sub-Saharan Africa.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within sub-Saharan Africa.
- Discuss the key issues that lie ahead for sub-Saharan Africa within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in sub-Saharan Africa and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS300 - Comparative Political Systems](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [IRLS213 - Political Geography](#)
- [IRLS310 - Introduction to Human Security](#)
- [HIST340 - History of Africa](#)
- [LITR370 - African Literature](#)
- [RELS353 - Islam](#)

Concentration in Asian Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the Asian community and 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)

- [IRLS300 - Comparative Political Systems](#)
- [IRLS331 - Asian Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST230 - History of East Asia](#)
- [IRLS213 - Political Geography](#)
- [IRLS310 - Introduction to Human Security](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [TLMT442 - International Trade and Regulations](#)

Concentration in Comparative Politics (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of cross-national analysis. Students will learn how to think about politics in systematic and comparative terms by focusing on the domestic politics in a variety of countries and 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)

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [IRLS322 - African Politics](#)
- [IRLS331 - Asian Politics](#)
- [IRLS343 - Government and Security of Russia](#)
- [IRLS344 - European Politics](#)
- [IRLS355 - Latin American Politics](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics & Dipl.](#)

Concentration in European Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the European community and 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)

- [IRLS300 - Comparative Political Systems](#)
- [IRLS344 - European Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [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](#)

Concentration in Globalization and Human Security (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of security in all its forms. Students will learn how to think about security as more than protecting the nation state from external threats. By focusing on myriad threats faced by individuals and communities, students will develop a thorough understanding of security as a complex web of economic, environmental, food, health, personal, community, and political dimensions and 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)

- [IRLS310 - Introduction to Human Security](#)
- [IRLS400 - Human Rights](#)
- [IRLS405 - National and Transnational Security](#)
- [IRLS409 - Environmental Security](#)

And select 4 courses from the following:

- [INTL411 - International Crime Organization](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS417 - International Civil Order](#)

Concentration in International Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of international and transnational issues that affect the global community as a whole and nation-states as individual entities and 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)

- [INTL434 - Threat Analysis](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS413 - International Conflict Resolution](#)
- [SCMT319 - Global Terrorism](#)

And select 4 courses from the following:

- [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](#)

Concentration in Latin American Studies (24 semester hours)

Objectives

Students in this concentration will undertake an in-depth examination of issues that affect the Latin American community and 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)

- [IRLS300 - Comparative Political Systems](#)
- [IRLS355 - Latin American Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST360 - History of Latin America](#)
- [IRLS213 - Political Geography](#)
- [IRLS310 - Introduction to Human Security](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Concentration in Peacekeeping (24 semester hours)

Objectives

Students in this concentration undertake an in-depth study of the principles and foundations of peace operations within the context of international and regional mechanisms. The student gains valuable insight into the skills necessary to step into international incidents between countries and among peacemakers to assist in the resolution of difficult problems and 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)

- [IRLS310 - Introduction to Human Security](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS415 - Peacekeeping Logistics](#)
- [MILH422 - History of Peacekeeping: 1988 – Present](#)

And select 4 courses from the following:

- [IRLS405 - National and Transnational Justice](#)
- [IRLS409 - Environmental Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS416 - The North Atlantic Treaty Organization \(NATO\)](#)
- [IRLS417 - International Civil Order](#)

Final Program Requirements (3 semester hours)

- [IRLS492 - Senior Seminar in International Relations](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Management

The Bachelors of Arts in Management prepares students to transition from the technical aspects of a profession to leading and managing individuals in their respective fields. Students will explore management theories, concepts and practices necessary to organize, motivate, and lead human capital in private, public and military environments. Topics of study include ethics, management communications, human resources management, employee relations, organizational behavior, and systems analysis. Successful completion of the program prepares graduates for managerial positions and responsibilities.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HRMT413 - Employment and Labor Relations](#)
- [INFO331 - Management Information Systems](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MGMT410 - Strategic Management](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Human Resource Management Concentration, Leadership Concentration, or Retail Management Concentration.

General Concentration Requirements (15 semester hours)

Objectives

Students who successfully complete this program 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.

Select 5 courses from the following:

- [ACCT105 - Accounting for Non Accounting Majors](#)
- [BUSN250 - Analytics I](#)
- [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](#)
- [HIMA301 - Principles of Health Information Management](#)
- [HIMA400 - Medical Terminology for Health Information Management](#)
- [HRMT407 - Human Resource Management](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management Using MS Project](#)
- [ITMG421 - Virtual Management](#)
- [MGMT312 - Leadership and 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](#)
- [TLMT313 - Supply Chain Management](#)

Concentration in Human Resource Management (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [HRMT407 - Human Resource Management](#)
- [HRMT412 - Compensation and Benefits](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT419 - Recruitment and Staffing](#)

Concentration in Leadership (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [MGMT414 - Strategic Planning](#)

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

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management Retail Management concentration also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program 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)

- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)

And select 3 courses from the following:

- [MKTG307 - Consumer Behavior](#)
- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG221 - Retail Photo Operations](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandizing Operations](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [MGMT495 - Senior Seminar in Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Marketing

This program attracts military recruiters and students from other walks of life who are drawn to a fast-paced environment and are interested in careers in sales and/or promotions. Students gain self-motivation and self-confidence, the ability to work well with others, a creative approach to problem solving, a willingness to take appropriate risks, and the ability to spot trends. Graduates of this program typically go on to employment with the military, government, or corporate environments that involve product and service development, research, planning, distribution channels, logistics and transportation, sales promotion, sales, pricing strategy, advertising, and public relations.

Statement of Mission - School of Business

APUS' School of Business 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.

- Priorities:**
- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
 - Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
 - Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
 - Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of marketing, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War

- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [BUSN100 - Basics of Business](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: [ENGL101 - Proficiency in Writing](#)]
- [MKTG201 - Fundamentals of Marketing](#)

- [ACCT105 - Accounting for Non Accounting Majors](#)
- [BUSN311 – Law and Ethics in the Business Environment](#)
- [FINC300 - Foundations of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MKTG308 - Social Media Marketing](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG420 - Branding](#)
- [MKTG423 - Marketing Writing](#)

And select 1 course from the following:

- [ECON201 - Microeconomics for Business](#)
- [ECON202 - Macroeconomics for Business](#)

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 (15 semester hours)

Select 5 courses from the following:

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG304 - Public Relations](#)
- [MKTG305 - Advertising](#)
- [MKTG403 - Marketing Management](#)
- [MKTG407 - International Marketing](#)
- [MKTG410 - Contracting and Negotiating](#)
- [MKTG499 - Independent Study: Marketing](#)

Concentration in Analytics (15 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 (15 semester hours)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG403 - Marketing Management](#)

Concentration in Internet/Web Technology (15 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 (15 semester hours)

- [WEBD121 - Web Development Fundamentals](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD220 - Web 2.0 Fundamentals](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD323 - Search Engine Optimization](#)

Concentration in Sales (15 semester hours)

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 (15 semester hours)

- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG403 - Marketing Management](#)
- [MKTG410 - Contracting and Negotiating](#)

Final Program Requirements (3 semester hours)

- [MKTG495 - Senior Seminar in Marketing](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Middle Eastern Studies

A program of study focused on one of the world's most volatile and controversial region, this degree addresses the political, religious, military, economic, and social/cultural issues of the Middle East. From a wide variety of courses ranging from holy wars to a city-study on Jerusalem, students can choose areas and topics of the Middle East of most interest to them.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

General Knowledge of Comparative Politics

- Compare the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international and transnational organizations in both a global and regional setting.
- Compare and contrast the political, economic, social and military components of national and regional power.
- Evaluate the role of civilization in relationships among nations.

Knowledge of the Middle East

- Evaluate the historical conquests of the region and analyze the colonized peoples’ experiences and world views.
- Determine how conflict and shifting alliances shaped the development of the region.
- Understand the political, economic, security, diplomatic, and social challenges facing Middle Eastern countries individually and as a region.

Middle Eastern Culture

- Compare and contrast the history, essential tenets, and central practices of different cultures within the Middle East.
- Evaluate how the Islamic faith impacts all aspects of the lives of Muslims.
- Characterize the sociological, political, and religious ideologies that influence the literature of the region.
- Distinguish between Islam as a religion and Islamic culture and history.

Arab-Israeli Relations

- Evaluate the motivations of competing Arab-Israeli forces in defense of their respective positions in the ongoing dialogue and confrontation.
- Assess the arguments on both sides of the foundational issues.
- Consider other issues in the context of the wider regional influences that bear upon the future of the Israelis and Arabs in Israel (the West Bank and Gaza).

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

IRLS200 - Information Literacy and Global Citizenship

- IRLS210 - International Relations I
- IRLS213 - Political Geography
- IRLS260 - Middle Eastern Culture
- IRLS300 - Comparative Political Systems
- IRLS360 - Global Politics of Islam
- IRLS412 - Comparative Foreign Policy
- IRLS460 - Government and Security in the Middle East

Major Requirements (21 semester hours)

Select 7 courses from the following:

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- HIST350 - History of the Middle East
- IRLS310 - Introduction to Human Security
- IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy
- IRLS468 - Politics and Security in the Persian Gulf
- RELS330 - Religions of the Middle East
- RELS353 - Islam

Final Program Requirements (3 semester hours)

- IRLS493 - Capstone: Middle Eastern Studies (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Military History

The program ensures that students will learn about the "big picture" through exposure to five historical perspectives while allowing them to tailor the major to their individual interests during the junior and senior years. This degree is for those who seek understanding of the military art and science as well as a general education in the liberal arts. The degree is quite different from history degrees at other universities because it is focused on the forces of human conflict and how those forces have shaped and continue to shape civilization. Students receive a foundation in: (1) the philosophy, strategy, and tactics of conflict; (2) generalship, leadership, and management of warfare, and of people; (3) great historical battles and their influences on society; (4) the influence of technology on warfare, and on society; and (5) the history of related issues such as diplomacy, foreign affairs, international law, war and society, and future war.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of military history, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [MILH201- Introduction to Military History](#)
- [MILH202 - Survey of American Military History](#)
- [MILH221 - War from Antiquity to 1700](#)
- [MILH222 - War from 1700 to the Present](#)
- [HIST300 - Research Methods in History](#)
- [MILH303 - Readings in Military Leadership](#)
- [MILH304 - Readings in Military Philosophy](#)

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

Students who successfully complete this program 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)

- [MILH362 - Ancient Military History](#)
- [MILH363 - 17th and 18th Century Military History](#)
- [MILH364 - Medieval Military History](#)
- [MILH365 - The Napoleonic Wars and the Long Peace](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [HIST415 - The Cold War](#)
- [MILH370 - The Korean War](#)

Select 2 courses from the following:

- [HIST308 - European Colonialism](#)
- [MILH320 - The American Revolution](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [MILH371 - The Vietnam War](#)
- [MILH480 - Special Topic: Military History](#) - Students will need permission from the Department Chair to take this course.
- [MILH490 - Independent Study: History](#) - 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 completion of this concentration, students 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)

- [HIST402 - Colonial America](#)
- [MILH320 - The American Revolution](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - The Korean War](#)
- [MILH371 - The Vietnam War](#)

Select 2 courses from the following:

- [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: WWII to the Present](#)
- [MILH480 - Special Topic: Military History](#) - Students will need permission from the Department Chair to take this course.
- [MILH490 - Independent Study: History](#) - Students will need permission from the Department Chair to take this course.

Final Program Requirements (6 semester hours)

- [HIST491 - Writing a Research Proposal](#)
- [MILH498 - Senior Seminar in Military History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal. Senior Standing and completion of all core and major courses prior to enrollment. May not be taken concurrently with HIST491]

Elective Requirements (27 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Philosophy

Students in this program are exposed to Eastern, Western and contemporary philosophers and study myth, ritual, and issues of ethics and morality. They learn to think critically and objectively, to write clearly and effectively, and to develop creative solutions to unique situations. Students graduating from this program apply their skills and abilities in professions requiring a high level of analytical thought such as required in think tanks and legal professions.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of philosophy, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [PHIL101 - Introduction to Philosophy](#) (Prerequisite for all Core Courses)
- [PHIL200 - Introduction to Ethics](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [PHIL300 - Logic](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)

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 and Post-Modern Philosophy](#)

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):

Select 5 courses from the following:

- [CMRJ308 - Ethics in Criminal Justice](#)
- [MGMT314 - Management Ethics](#)
- [MILH304 - Readings in Military Philosophy](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [PHIL320 - Environmental Ethics](#)
- [PHIL410 - God and World](#)
- [RELS411 - Religious Existentialism](#)

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

Students who successfully complete this program 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)

- [CMRJ308 - Ethics in Criminal Justice](#)
- [COMM280 - Ethics in Communications](#)
- [MGMT314 - Management Ethics](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL320 - Environmental Ethics](#)

Final Program Requirements (3 semester hours)

- [PHIL498 - Senior Seminar in Philosophy](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, 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.

Total = 121 semester hours

Bachelor of Arts in Political Science

Students in this program learn about politics and study questions such as the following: Are democracies with a president and legislative branch more representative than those with a prime minister who leads the legislature? Is a two-party system better than a multi-party system? How can governments respect diverse ethnic, racial, and religious identities, and still promote bonds of common citizenship? What should be the role of the United States in an increasingly interdependent global economy? These are the types of questions that political scientists explore, but they also represent issues that require ordinary citizens to make informed judgments. This program prepares graduates for careers in government such as public management, administration of justice, military service, and the gaining and holding of elected positions. Graduates from political science programs are found in many professions, particularly those involved in large organizations with extensive internal networks requiring skills in dealing with and managing other people.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Political Science, graduates in this degree program will be able to:

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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [POLS210 - American Government I](#)
- [POLS211 - American Government II](#)
- [POLS213 - Political Theory](#)
- [IRLS300 - Comparative Political Systems](#)

- [POLS311 - Political Parties and Interest Groups](#)
- [POLS312 - State, Local, and Community Politics](#)
- [POLS314 - Diversity Studies in Politics](#)
- [POLS410 - Public Policy](#)

Students must choose a concentration for this degree program and may select from the General Concentration, the Concentration in Comparative Politics, the Concentration in International Relations, or the Concentration in Political Theory.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [INTL301 - U.S. Intelligence Community](#)
- [INTL434 - Threat Analysis](#)
- [IRLS210 - International Relations I](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)
- [LSTD301 - Constitutional Law](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)
- [POLS420 - Comparative Politics - Parliamentary Democracy](#)
- [POLS430 - Comparative Politics - Communism](#)
- [POLS440 - Comparative Politics - Theocracy](#)
- [POLS491 - Special Topics in Political Science](#)
- [SOCI311 - Political Sociology](#)

Concentration in Comparative Politics (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Assess the fundamental elements that comprise various non-U.S. political systems.
- Analyze how various political systems operate within the context of their indigenous environments.
- Compare and contrast the leadership structures of various political systems with the United States.
- Analyze the political participation and competing interests and groups within various political systems.
- Compare and contrast the domestic impact of politics, society, and culture on various political systems with the United States.
- Assess how various political systems affect international foreign policy and peacekeeping efforts.

Concentration Requirements (15 semester hours)

- [POLS420 - Comparative Politics – Parliamentary Democracy](#)
- [POLS430 - Comparative Politics – Communism](#)
- [POLS440 - Comparative Politics – Theocracy](#)
- [IRLS301 - International Organizations](#)

- [IRLS417 - International Civil Order](#)

Concentration in International Relations (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [IRLS211 - International Relations II](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)

Concentration in Political Theory (15 semester hours)

Objectives

Students who successfully complete this program 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)

- [PHIL101 - Introduction to Philosophy](#) (This course is required as the first course in the concentration.)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Final Program Requirements (3 semester hours)

- [POLS497 - Senior Seminar in Political Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, 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.

Total = 121 semester hours

Bachelor of Arts in Psychology

Students in this degree program examine the theories and history of the workings of the human mind by studying aspects of developmental, organizational and abnormal psychology. Graduates of this program are inclined toward professions that involve a high level of human interaction such as politics, law, counseling, human services, education, law enforcement, military service, and public management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates.

Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [PSYC101 - Introduction to Psychology](#) (Required as the first course in this program)
- [PSYC102 - Professional Careers and Education in Psychology](#)
- [PSYC221 - Personality Theories](#)
- [CHFD342 - Human Life Span Development](#)
- [PSYC303 - Learning and Cognition](#)
- [PSYC300 - Research Methods in Psychology](#)
- [SOCI332 - Statistics for Social Science](#)
- [PSYC304 - Perception](#)
- [PSYC305 - History and Systems of Psychology](#)
- [PSYC325 - Biopsychology](#) [Prerequisite: CHFD342 - Human Life Span Development]
- [PSYC406 - Psychopathology](#) [Prerequisite: PSYC101 - Introduction to Psychology]

Major Requirements (15 semester hours)

Select 5 courses from the following 2 categories:

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 and Substance Abuse](#)

Final Program Requirements (3 semester hours)

- [PSYC498 - Senior Seminar in Psychology](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Religion

Students in this program examine Eastern and Western religions, both historical and contemporary. Students study the cultural, political, and spiritual aspects of religion while being exposed to the theological tenets of religious thought. Graduates of this program are inclined toward professions that include aspects of human services and pastoral assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of religion, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [RELS101 - Introduction to the Study of Religion](#)
- [RELS201 - Introduction to World Religions](#)
- [RELS202 - Religion in America](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [SOCI420 - Sociology of Religion](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [PHIL410 - God and World](#)
- [RELS405 - Myth and Ritual](#)
- [RELS411 - Religious Existentialism](#)

Major Requirements (18 semester hours)

Select 6 courses from the following:

- [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](#)
- [RELS352 - Muhammad](#)
- [RELS422 - The Teachings of Jesus](#)
- [RELS452 - Religious Cults](#)

Final Program Requirements (3 semester hours)

- [RELS498 - Senior Seminar in Religion](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, 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.

Total = 121 semester hours

Bachelor of Arts in Retail Management

The Bachelor of Arts in Retail Management will provide students with practical skills and theoretical knowledge needed to become effective 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 management practices in the retail industry.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Retail Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandising Operations](#)
- [HRMT407 - Human Resource Management](#)
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT410 - Strategic Management](#)

Major Requirements (18 semester hours)

- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)

- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [RTMG495 - Senior Seminar in Retail Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Reverse Logistics Management

The Bachelor of Arts in Reverse Logistics Management provides an industry-based group of courses designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, 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. But, within the next three to five years, you will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Reverse Logistics Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program 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.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II and SCIN233 - Physics I with Lab]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [RLMT301 - Introduction to Reverse Logistics Management](#)
- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)
- [RLMT304 - Reverse Logistics Policies and Procedures](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [TLMT312 - Transportation Economics](#)

- [TLMT405 - Best Practices in Reverse Logistics](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [MGMT312 - Leadership and Motivation](#)
- [RLMT307 - Food and Beverage Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT400 - Recalls Best Practices and Issues](#)
- [TLMT318 - Hazardous Materials Transportation](#)

Final Program Requirements (3 semester hours)

- [RLMT495 - Senior Seminar in Reverse Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Security Management

This program offers students the opportunity to learn about the principles and theories associated with various types of security, from international security to information security that focus on protection of assets. Graduates of this program 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 general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I

- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [CMRJ300 - Research Methods of Criminal Justice and Security](#)
- [SCMT319 - Global Terrorism](#)
- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

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)

Select 5 courses from the following:

- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [ISSC422 - Information Security](#)
- [SCMT101 - Introduction to Security Management](#)
- [SCMT379 - School and Campus Security](#)
- [SCMT392 - Industrial Espionage](#)
- [SCMT396 - Protective Services](#)

Concentration in Government Security (15 semester hours)

Objectives

Upon completion of this concentration, students 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)

Select 5 courses from the following:

- [ISSC361 - Information Assurance](#)
- [SCMT301 - Foundations of U.S. Government Security](#)
- [SCMT302 - Protecting U.S. Government Facilities](#)
- [SCMT303 - U.S. Government Personnel Security](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Information Security (15 semester hours)

Objectives

Upon completion of this concentration, students 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)

Select 5 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Loss Prevention Management (15 semester hours)

Objectives

Upon completion of this concentration, students 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)

Select 5 courses from the following:

- [RTMG202 - Risk Management](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG302 - Retail Operations](#)
- [HRMT407 - Human Resource Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [SCMT498 - Senior Seminar in Security](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Sociology

Students in this degree program will use 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. Students will develop a sociological imagination that opens windows into unfamiliar worlds and provides a fresh look at familiar worlds. Students will develop knowledge and a toolkit of applicable skills in research, empirical and theoretical analysis, as well as well-developed critical thinking and information literacy skills. Students will investigate key social institutions, contemporary social problems, and social change examining issues of race and ethnicity, gender, age, occupation, sexuality, religion, and all other characteristics of human beings. Graduates of this program are inclined to professions that involve politics, government civil service, health care, child and family support services, general public or private management, and law.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sociology, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

Complete at least 2 courses in the Major section before taking SOCI305, SOCI331, or SOCI332

- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI213 - Society, Interaction, and the Individual](#)
- [SOCI215 - Social Deviance](#)
- [SOCI303 - Classical Sociological Theory](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI305 - Contemporary Sociological Theory](#)
- [SOCI331 - Research Methods for Sociology](#)
- [SOCI332 - Statistics for Social Science](#)

Major Requirements (15 semester hours)

Select 5 courses from the following:

- [SOCI214 - Stratification and Inequality](#)
- [ANTH202 - Introduction to Cultural Anthropology](#)

[SOCI306 - Race and Ethnicity](#)

- [SOCI311 - Political Sociology](#)
- [SOCI312 - Organizational Sociology](#)
- [SOCI315 - Food and Culture](#)
- [SOCI403 - Social Change](#)
- [SOCI404 - Gender and Society](#)
- [SOCI420 - Sociology of Religion](#)
- [SOCI421 - Sociology of the Family](#)
- [SOCI422 - Sociology of the Law](#)
- [SOCI423 - Sociology of Health and Illness](#)
- [SOCI414 - Sociology of Death and Dying](#)

Final Program Requirements (3 semester hours)

- [SOCI498 - Senior Seminar in Sociology](#) (to be taken as the last course before graduation) [Prerequisite: SOCI1111 and completion of all core, major, and elective courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Bachelor of Arts in Transportation and Logistics Management

The Transportation and Logistics undergraduate degree provides students with principles, management, economics, public policy, technological advancements, trends, and current issues within the logistics industry. More specifically, students will learn about the multiple modes of transportation to include air, maritime, and ground transportation, which is a critical aspect of logistics management. Students will also learn how these transportation modes impact economies, both on a domestic and global scale, as well as the practical application of cutting edge processes and standards within the current business context of transportation and logistics management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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.
- Understand and evaluate the transportation systems’ political, regulatory, and legal issues.
- Describe and assess the strengths and weaknesses of the major modes of international transportation.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

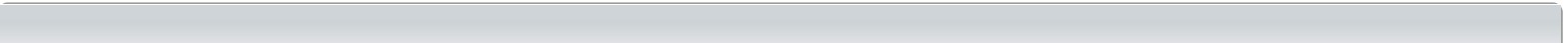
General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)



Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)

- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT312 - Transportation Economics](#)
- [TLMT313 - Supply Chain Management](#)
- [TLMT331 - Fundamentals of Intermodal Transportation](#)
- [TLMT341 - Logistics Management](#)
- [TLMT351 - Packaging](#)
- [TLMT352 - Distribution Systems](#)
- [TLMT441 - Advanced Business Logistics](#)

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)

Select 5 courses from the following:

- [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](#)

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 completion of this concentration, students 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)

- [TLMT415 - Airport Operations](#)
- [TLMT416 - Air Cargo Operations and Security](#)

Select 3 courses from the following:

- [FINC400 - Principles of Financial Management](#)

- [HLSS311 - Border and Coastal Security](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [TLMT342 - International Logistics Management](#)
- [TLMT411 - Air Transportation](#)

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 completion of this concentration, students 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)

Select 5 courses from the following:

- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT307 - Food & Beverage Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT400 - Recalls Best Practices and Issues](#)

Final Program Requirements (3 semester hours)

- [TLMT498 - Senior Seminar in Transportation and Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 121 semester hours

Bachelor of Science in Accounting

The Bachelor of Science in Accounting 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.

The successful completion of APUS programs and courses may or may not satisfy the educational requirements for the Certified Public Accountant (CPA) exam. Educational requirements for the CPA exam vary by state. Students are responsible for checking the requirements of the state board of accountancy where they expect to sit for the CPA exam and where they desire to ultimately be licensed. Contacts for the state boards of accountancy may be found on the National Association of State Boards of Accountancy website (<http://nasba.org/stateboards/>).

Under the rules of the Texas State Board of Public Accountancy, at least 15 hours of upper-level accounting course work must result from physical attendance at classes meeting regularly on the campus of the transcript-issuing institution. Completion of APUS's accounting programs and coursework may not meet the education requirements to sit for the CPA exam or obtain a CPA license in Texas. Individuals wishing to sit for the CPA exam or obtain a CPA license in Texas should check with the Texas State Board of Public Accountancy to determine their eligibility and for additional requirements that may apply (<https://www.tsbpa.state.tx.us/>).

Please note that starting **October 1, 2015**, all students entering the program, either based on student's **application date** on or after October 1, 2015, or through a change of major processed on or after October 1, 2015, will need to fulfill a Calculus requirement in the program.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Accounting also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of accounting, graduates in this degree program 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.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (44 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present

- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 9 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

Core Requirements (36 semester hours)

- [ACCT100 - Accounting I](#)
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [ITCC111 - Basic Productivity Applications](#)
- [ITCC112 - Advanced Productivity Applications](#)
- [MKTG201 - Fundamentals of Marketing](#)

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [FINC400 - Principles of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT314 - Management Ethics](#)

Major Requirements (18 semester hours)

- [ACCT301 - Intermediate Accounting I](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT302 - Intermediate Accounting II](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT303 - Intermediate Accounting III](#) [Prerequisite: ACCT302 - Intermediate Accounting II]
- [ACCT400 - Auditing](#) [Prerequisite: ACCT303 - Intermediate Accounting III]
- [ACCT401 - Cost Accounting](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT420 - Individual Federal Tax](#) [Prerequisite: ACCT100 - Accounting I]

General Concentration (9 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:

Students who successfully complete this program 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 (9 semester hours)

Select 3 courses from the following:

- [ACCT202 - Payroll](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT300 - Financial Accounting](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT305 - Accounting Information Systems](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT406 - Managerial/ Cost Accounting](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT415 - Law for Accountants](#)
- [ACCT410 - Governmental and Not-for-Profit Accounting](#) [Prerequisite: ACCT301 - Intermediate Accounting I]

Final Program Requirements (3 semester hours)

- [ACCT499 - Senior Seminar in Accounting](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

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

Total = 122 semester hours

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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab

- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [BUSN100 - Basics of Business](#)
- [ACCT105 - Accounting for Non Accounting Majors](#)
- [MGMT101 - Principles of Supervision](#)
- [MKTG201 - Fundamentals of Marketing](#)
- [ECON201 - Microeconomics](#)
- [ECON202 - Macroeconomics](#) [prerequisite: ECON201 - Microeconomics]
- [FINC300 - Principles of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra or MATH111 - College Trigonometry or MATH225 - Calculus]
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#) [Prerequisite: MATH110 - College Algebra or MATH225 - Calculus]
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)

Major Requirements (18 semester Hours)

Select 6 courses from the following:

- [BUSN250 - Analytics I](#)

[BUSN350 - Analytics II](#)

- [BUSN450 - Advanced Analytics](#)
- [ANLY460 - Applied Analytics I](#)
- [ANLY461 - Applied Analytics II](#) [prerequisite: ANLY460 - Applied Analytics I]
- [ANLY462 - Applied Analytics III](#) [prerequisite: ANLY461 - Applied Analytics II]

Final Program Requirements (6 semester hours)

- [ANLY499 - Analytics Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Criminal Justice - Forensics

This program is for students seeking an in-depth scientific study of crime, criminal behavior, crime scene investigation theories, 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. This program focuses on the study of scientific theories and analyzing these theories associated with crime scene investigation techniques. Students 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. Students will also examine the importance of scientific analysis of physical evidence and its place in the judicial system. Students receive a solid foundation of course work that provides the content and analytical and communication skills required for working in complex criminal justice occupations.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

- Describe the functions of police, courts, and corrections.
- Identify the basic methodological approaches in gaining criminological knowledge.
- Critically evaluate the various methodologies used to measure crime.
- Explain the socio-political nature of defining certain acts as criminal behavior.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.
- Analyze and compare major criminology theories and trends in criminal activity.
- Conduct research associated with criminal justice and criminology theories.
- Demonstrate ethical criminal justice research practices.
- Outline theories and practices associated to crime control efforts.
- Discuss theories and practice associated with crime scene investigation.
- Evaluate different theories and techniques for recovering potential evidence.
- Discuss theories of modern analytical chemistry as applied to forensic problems.
- Describe the role of data analysis in testing criminological theories and assessing crime reduction efforts.
- Display clear knowledge of ethical concerns when physical evidence is presented to the criminal justice system.
- Describe and analyze advancements made in law enforcement forensics practices.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (34 semester hours)

- [CMRJ201 - Criminal Justice Administration](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [CMRJ300 - Research Methods of Criminal Justice and Security](#)
- [CMRJ303 - Criminology](#)
- [CMRJ306 - Criminal Investigation](#)
- [CMRJ308 - Ethics in Criminal Justice](#)

[CMRJ329 - Criminal Profiling](#)

- [CMRJ335 - Crime Analysis](#)
- [CMRJ341 - Criminalistics](#)
- [LSTD301 - Constitutional Law](#)
- [LSTD302 - Criminal Law](#)

Concentration in Forensics Requirements (24 semester hours)

- [CMRJ205 - Rape and Sexual Violence](#)
- [CMRJ330 - DNA in the Criminal Justice System](#)
- [CMRJ331 - Fingerprint Analysis](#)
- [CMRJ332 - Bloodspatter Pattern Analysis](#)
- [CMRJ333 - Firearms Forensics Investigation](#)
- [CMRJ334 - Voice Stress Analysis](#)
- [CMRJ402 -The Pathology of Death Investigations](#)
- [LSTD400 - Criminal Legal Process](#)

Final Program Requirement (4 semester hours)

- [CMRJ498 - Forensic Law Enforcement Capstone](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (18 semester hours)

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

Total = 121 semester hours

Bachelor of Science in Cybersecurity

This program is for students interested in pursuing careers in Cybersecurity. Cybercrime, cyber terrorism, cyber espionage and cyber-attacks of mammoth levels have led Cybersecurity to become a national priority. The risks are not limited to organizations only - the United States government, every company, and every individual is impacted from these attacks. Today, we each carry anywhere from two to a dozen devices on us at all times that are subject to these attacks. Our national power grids - the bloodline for the nation's information highway, is subject to these attacks. Disruption may result in total incapacitation. Strengthening IT infrastructures and early detection and prevention of attacks is of utmost importance. Recent efforts at cybersecurity legislation have not been as efficacious as needed to fulfill the market growth in this area, leaving a shortage of qualified candidates. Government and industry analysts expect the job market in Cybersecurity to grow more than 50% in the next four years. The government needs to hire at least 10,000 experts in the near future and the private sector needs four times that number. The U.S. Bureau of Labor Statistics includes cybersecurity professionals in the larger category of "information security analysts, web developers and computer network architects"; seeing over 20% increases in employment through 2020. This program prepares the student with the necessary skills and competencies for job titles such as: cybersecurity forensic specialists, security analyst, security auditor, security consultant, security risk assessor, security manager, information security officer, security trainer, and security systems designer. These skills include the investigation of various cybersecurity resources, tools, laws, and methods, to strategically assess, evaluate, plan, design, develop, and implement countermeasures for effective cybersecurity defense mechanisms.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Cybersecurity also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (54 semester hours)

- [ENTD261 - Scripting Languages for the Administrator](#)
- [ISSC325 - Biometrics](#)
- [ISSC342 - Operating Systems: Hardening and Security](#)
- [ISSC343 - Wireless Networks](#)
- [ISSC351 - Computer Forensics](#)

- [ISSC364 - IT Security: Access Control and Authentication](#)
- [ISSC366 - IT Security: Cryptography](#)
- [ISSC421 - Computer and Network Security](#)
- [ISSC422 - Information Security](#)
- [ISSC431 - Database Systems Security](#)
- [ISSC451 - Cybercrime](#)
- [ISSC452 - Cybersecurity](#)
- [ISSC481 - IT Security: Planning and Policy](#)
- [ITMG481 - Ethics in Information Technology](#)

Select 4 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ENTD412 - Systems Engineering](#)
- [INFO321 - Database Management Systems](#)
- [INTL434 - Threat Analysis](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC361 - Information Assurance](#)
- [ISSC368 - IT Security: Physical and Peripheral Defense](#)
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)

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)

- [CMRJ303 - Criminology](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL440 - Cyber Warfare](#)
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

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):

- [ISSC412 - Mobile Application Security](#)
- [ISSC415 - Mobile Device Security](#)
- [ISSC442 - Wireless and Mobile Network Security](#)
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Final Program Requirements (3 semester hours)

- [ISSC499 - Senior Seminar in Cybersecurity](#) (to be taken as the last course before graduation) [Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101.]

Elective Requirements (9 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Electrical Engineering

The Bachelor of Science in Electrical Engineering (BSEE) program focuses on the theories, practices, methodologies, competencies, tools, and technologies associated with electrical engineering. You'll get both the online-classroom and the hands-on lab experience you'll need to excel as an electrical engineer, including firm foundations in math, computers, and physical sciences. The courses cover a broad range of topics, such as:

- Basic elements in analog circuit design.
- Fundamentals of circuit analysis—Ohm's law, Kirchhoff's law, superposition, 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.
- Transmitting and receiving information without wires.
- Radar and RF signal propagation, transmission, and reception.

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 industries ranging from aerospace, telecommunications, and defense to automotive, medical, construction, chemical, and more.

Note: The technology fee for the engineering courses (those with the ENGR and ELEN prefix) in this program is \$100. Some of the engineering courses will require you to purchase course materials to confirm and apply the concepts; the total cost for these course materials is approximately \$12,000.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program seeks the following specific learning outcomes of its graduates:

- Use knowledge of mathematics, science, and engineering.
- Design and conduct experiments.
- Analyze and interpret data.
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Identify, formulate, and solve engineering problems.
- Use principles of professional and ethical responsibility.
- Use of broad education to appraise the impact of engineering solutions in a global, economic, environmental, and societal context.
- Use techniques, skills, and engineering tools necessary for engineering practice.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (26 semester hours)

English - 3 semester hours

- [ENGL101 - Proficiency in Writing](#)

History - 3 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 3 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (69 semester hours)

- [ELEN100 - Introduction to Electrical Engineering](#)
- [ENGR200 - Introduction to Engineering and Computing](#)
- [ENGL220 - Technical Writing](#)
- [MATH111 - College Trigonometry](#)
- [MATH210 - Discrete Mathematics](#)
- [MATH225 - Calculus I](#)
- [MATH226 - Calculus II](#)
- [MATH240 - Differential Equations](#)
- [CHEM133 - General Chemistry I with Lab](#) (4 semester hours)
- [ELEN300 - Electrical Engineering Fundamentals](#) (4 semester hours)
- [ELEN303 - Measurements and Instrumentation](#)
- [ELEN305 - Electrical Circuit Analysis](#) (4 semester hours)
- [ELEN306 - Analog Circuit Theory](#) (4 semester hours)
- [ELEN307 - Digital Circuit Theory](#) (4 semester hours)
- [ELEN310 - Continuous and Discrete Signals and Systems](#) (4 semester hours)
- [ELEN312 - Energy Conversion Processes and Systems](#)
- [ELEN325 - Field Theory](#)
- [ELEN416 - Control Systems Theory and Design](#)
- [ELEN420 - Communication Systems](#)
- [ENGR300 - Fundamentals of Mechanical Engineering](#)
- [MATH328 - Probability Theory with Applications](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Communications Concentration, or Mechatronic Systems Concentration.

General Concentration (18 semester hours)

Concentration Requirements (18 semester hours)

Select 2 courses from the following:

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN430 - Embedded Systems Design](#) [Prerequisite: ELEN307 - Digital Circuit Theory]
- [ENTD333 - Application Development for the iPhone and iPad](#)
- [ENTD381 - Object Oriented Programming with Java](#)

And select 3 courses from the following:

- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)

Concentration in Communications (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)

Concentration in Mechatronic Systems (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN430 - Embedded Systems Design](#) [Prerequisite: ELEN307 - Digital Circuit Theory]
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]

Final Program Requirements (6 semester hours)

- [ELEN498 - BSEE - Senior Seminar Design](#)
- [ELEN499 - BSEE - Senior Seminar Project](#) (to be taken as the last course before graduation)

Elective Requirements (4 semester hours)

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

Total = 126 semester hours

Bachelor of Science in Environmental Science

This degree is for students interested in environmental policy and analysis as well as environment management including stewardship of natural resources, pollution management, fish and wildlife management, and hazardous materials. The program requires course work in both the natural and social sciences with a particular focus on the complex relationship among science, management, and policy. The ultimate purpose of the degree program is to provide students with a scientific understanding of ecological and social systems, which then can be applied in a policy or management context.

Software and/or lab equipment required for some courses in this program are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of environmental science, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calcululus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [BIOL133 - General Biology I with Lab](#)
- [CHEM133 - General Chemistry I with Lab](#)
- [EVSP201 - Environmental Economics](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [EVSP310 - Water Science](#) [Prerequisites: [BIOL133 - General Biology I with Lab](#) and [MATH302 - Statistics](#)]
- [EVSP311 - Soil Science](#) [Prerequisites: [CHEM133 - General Chemistry I with Lab](#) or [SCIN131 - Introduction to Chemistry with Lab](#) and [SCIN138 - Introduction to Physical Geology with Lab](#)]
- [EVSP411 - Environmental Policy, Regulation, and Law](#)
- [EVSP413 - Environmental and Ecosystems Management](#) [Prerequisite: [EVSP310 - Water Science](#)]
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#), [MATH111 - College Trigonometry](#), or [MATH225 -](#)

Calculus]

- [PHIL320 - Environmental Ethics](#)

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)

Select 4 courses from the following:

- [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](#)

Concentration in Environmental Technology and Management (12 semester hours)

Objectives

Students who successfully complete this program 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)

Select 4 courses from the following:

- [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](#)

Concentration in Fish and Wildlife Management (12 semester hours)

Objectives

Students who successfully complete this program 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)

Select 4 courses from the following:

- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#) [Prerequisite: MATH302 - Statistics]
- [EVSP416 - General Ecology](#)
- [EVSP417 - Conservation Biology](#) [Prerequisites: BIOL133 - General Biology I with Lab or SCIN130 - Introduction to Biology with Lab]
- [SCIN311 - Fishery Biology](#) [Prerequisite: BIOL134 - General Biology II with Lab or SCIN130 - Introduction to Biology with Lab]
- [SCIN314 - Botany](#) [Prerequisite: BIOL134 - General Biology II with Lab or SCIN130 - Introduction to Biology with Lab]
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology with Lab II or SCIN132 - Human Anatomy and Physiology with Lab]

Concentration in Regional and Community Environmental Planning (12 semester hours)

Objectives

Students who successfully complete this program 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)

- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVSP421 - Water Resources Management](#)

Concentration in Sustainability (12 semester hours)

Objectives

Students who successfully complete this program 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)

Select 4 courses from the following:

- [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](#)

Final Program Requirements (3 semester hours)

- [EVSP498 - Senior Seminar in Environmental Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Fire Science Management

This degree provides students with the principles, theory, and practices associated with leading edge fire science and management including issues associated with tactical fire operations, fire safety, firefighting leadership and management, and community fire issues among many others. This degree is applicable to the fire services, and it is also useful as a foundation degree for application in other professions or further academic study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of fire science management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (60 semester hours)

- [COLL300 - Research, Analysis and Writing](#)
- [EDMG220 - Emergency Planning](#)
- [EDMG230 - Emergency and Disaster Incident Command](#)
- [EDMG330 - Managerial Issues in Hazardous Materials](#)
- [FSMT102 - Fire Behavior and Combustion](#)
- [FSMT188 - Fire Prevention](#)
- [FSMT201 - Fire Protection Systems](#)
- [FSMT210 - Fundamentals of Fire Protection](#)
- [FSMT287 - Fire Protection in Building Construction](#)
- [FSMT289 - Fire Protection Hydraulics and Water Supply](#)
- [FSMT311 - Fire Dynamics](#)
- [FSMT320 - Fire Protection Structure and System Design](#)
- [FSMT321 - Community Fire Mitigation and Protection](#)
- [FSMT340 - Incendiary Fire Analysis and Investigation](#)
- [FSMT362 - Fire Administration and Finance](#)

- [FSMT405 - Fire Safety and Risk Regulation](#)
- [FSMT410 - Fire Regulation, Policy, and Law](#)
- [FSMT475 - Applications of Fire Research](#)
- [HRMT407 - Human Resource Management](#)
- [PSYC431 - Psychology of Disaster](#)

Final Program Requirements (3 semester hours)

- [FSMT498 - Senior Seminar in Fire Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (18 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Health Information Management

Our Bachelor of Science in Health Information Management (HIM) provides students 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, the degree program utilizes a multi-disciplinary 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.

This online bachelor's program offers you the opportunity to:

- Explore goal setting, problem solving, staffing, and the training and development of employees.
- Obtain a foundation in medical terminology and pharmacology vocabularies used in HIM classification systems.
- Survey health records filing systems, electronic records, and documentation issues, along with indexes, registers, and health data collection.
- Understand coding manuals and guidelines as well as the interconnection between clinical coding, compliance, and reimbursement, and be able to apply ICD-10 coding steps.
- Understand the basics of health insurance and public funding programs, managed care contracting, and payment for services.
- Explore the legal and ethical aspects of health information management, specifically in healthcare fraud and abuse.
- Discover the impact that email, digital imaging, tele-medicine, and the Internet are having on health records.
- Evaluate and utilize relevant HIM computer and software applications.
- Study health economics and financing, and utilize financial tools to assess past, present and projected financial analyses.
- Take supporting courses in business management, accounting, finance, operations, and information systems.

Note: Some courses in the program require you to install software installation for virtual online lab accessibility.

Software and/or lab equipment required for some courses in this program are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and general education learning objectives, the Bachelor of Science degree in Health Information Management (HIM) seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (30 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)

- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (77 semester hours)

- [BIOL201 - Principles of Anatomy and Physiology with Lab](#) (4 semester hours)
- [ACCT105 - Accounting for Non Accounting Majors](#)
- [PBHE111 - Introduction to Health Care Administration](#)
- [MGMT101 - Principles of Supervision](#)
- [BUSN250 - Analytics I](#)

- [BUSN333 - Project Management for Business Analysts](#)
- [BUSN350 - Analytics II](#) [Prerequisite: BUSN250 - Analytics I]
- [BUSN412 - Quality Management Systems](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [FINC300 - Foundations of Financial Management](#)
- [HIMA301 - Principles of Health Information Management](#)
- [HIMA400 - Medical Terminology for Health Information Management](#)
- [HIMA415 - Diagnosis and Coding with Lab](#) (4 semester hours) [Prerequisites: BIOL251 - Human Anatomy and Physiology with Lab II and HIMA400 - Medical Terminology for Health Information Management]
- [HIMA420 - Principles of Health Care Reimbursement Methodologies](#)
- [HIMA450 - Legal and Ethical Aspects of Health Information Management](#)
- [HIMA497 - Health Information Management Practicum](#)
- [HRMT407 - Human Resource Management](#)
- [INFO331 - Management Information Systems](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC361 - Information Assurance](#)
- [ISSC422 - Information Security](#)
- [MATH302 - Statistics](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT414 - Strategic Planning](#)
- [SCIN360 - Advanced Human Anatomy and Physiology](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology with Lab II or SCIN132 - Human Anatomy and Physiology with Lab]

Final Program Requirements (3 semester hours)

- [HIMA499 - Senior Seminar in Health Information Management](#) (to be taken as the last course before graduation)
[Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Electives (10 semester hours)

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

Total = 123 semester hours

Bachelor of Science in Information Systems Security

This program is for students interested in pursuing careers in Information Systems Security (ISS) or Information Assurance (IA). Information can provide the competitive edge in both the military and civilian sectors. Protecting this information is of paramount importance. Hacking competitor information is a prevalent business and military strategy. Military and civilian jobs are becoming more technical and complex in nature, and this phenomenon is generating a corresponding requirement for higher level skills and education in Information Systems Security. Protecting the information assets of an organization is critical to maintaining the trust and the business of their clientele and to the credibility and survival of the organization. The curriculum focuses on addressing these information security needs in the marketplace. Students completing this program can apply for a broad range of IT-related positions such as: security analyst, security auditor, security consultant, security risk assessor, security manager, project manager, IT manager, information security officer, security trainer, and security systems designer.

Software and/or lab equipment required for some courses in this program are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

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English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War

- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (48 semester hours)

- [ENTD261 - Scripting Languages for the Administrator](#)
- [ISSC361 - Information Assurance](#)
- [ISSC363 - IT Security: Risk Management](#)
- [ISSC421 - Computer and Network Security](#)
- [ISSC422 - Information Security](#)
- [ISSC481 - IT Security: Planning and Policy](#)
- [ENTD381 - Object Oriented Programming With Java](#)
- [INTL440 - Cyber Warfare](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC351 - Computer Forensics](#)
- [ISSC364 - IT Security: Access Control and Authentication](#)
- [ISSC411 - Application Security](#)
- [ISSC431 - Database Systems Security](#)
- [ISSC451 - Cybercrime](#)
- [MATH302 - Statistics](#)

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)

Select 5 courses from the following:

- [ISSC325 - Biometrics](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC343 - Wireless Networks](#)
- [ISSC342 - Operating Systems: Hardening and Securing](#)
- [ISSC362 - IT Security: Attack and Defense](#)
- [ISSC366 - IT Security: Cryptography](#)
- [ISSC424 - Virtualization Security](#)
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: [ISSC326 - Cloud Computing](#)]
- [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](#)
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#)
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#)
- [ISSC461 - IT Security: Countermeasures](#)
- [ISSC471 - IT Security: Auditing](#)
- [ISSC490 - IT Security: Business Continuity](#)

Concentration in Cloud Computing (15 semester hours)

Concentration Requirements (15 semester hours)

- [ISSC326 - Cloud Computing](#)

- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC386 - Green Computing: Foundations and Strategies](#)
- [ISSC424 - Virtualization Security](#)
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: [ISSC326 - Cloud Computing](#)]

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 completion of this concentration, students 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)

- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL410 - Counterintelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL434 - Threat Analysis](#)
- [ISSC452 - Cybersecurity](#)

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 completion of this concentration, students 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)

- [CMRJ303 - Criminology](#)
- [CMRJ306 - Criminal Investigation](#)
- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [CMRJ335 - Crime Analysis](#)
- [ISSC452 - Cybersecurity](#)

Concentration in Cybersecurity (15 semester hours)

Concentration Requirements (15 semester hours)

- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [ISSC325 - Biometrics](#)
- [ISSC343 - Wireless Networks](#)
- [ISSC452 - Cybersecurity](#)
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#)

Concentration in Digital Forensics (15 semester hours)

Concentration Requirements (15 semester hours)

- [ISSC455- Digital Forensics: Investigation Procedures and Response](#)
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#)
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#)
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#)
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#)

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 completion of this concentration, students 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)

- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS303 - Homeland Security Risk, Threats and Countermeasures](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL421 - Signals Intelligence and Security](#)
- [ISSC452 - Cybersecurity](#)

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, students 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)

- [ISSC343 - Wireless Networks](#)
- [ISSC412 - Mobile Application Security](#)
- [ISSC415 - Mobile Device Security](#)
- [ISSC442 - Wireless and Mobile Network Security](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Final Program Requirements (3 semester hours)

- [ISSC498 - IT Security: Implementation Plan \(Capstone\)](#) (to be taken as the last course before graduation) [Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101.]

Electives (15 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Information Technology

This program provides high quality educational opportunities for students interested in pursuing careers that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based and web-based IT solutions in our global ecommerce based economy. The explosive growth of the Internet and Information Technology has generated a significant need for IT professionals and consequently for education in IT. This degree program fills this market driven educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the IT marketplace. This program is designed to produce academically sound and functionally competent IT professionals that have the necessary foundation to be productive in the IT industry. These degree programs are market driven; they prepare learners to exploit the high demand for IT professionals in various sectors in the industry. Students completing the IT program can apply for IT-related positions, such as: web developer, web publisher, programmer analyst, systems analyst, database analyst, database designer, .NET developer, .NET architect, information systems analyst, project manager, and information technology manager.

Software and/or lab equipment required for some courses in this program are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- Demonstrate use of analytical, logical, and critical thinking to design, develop, and deploy effective Information Technology solutions.
- Examine the principles and concepts of Object-Oriented Programming (OOP) and the impact of (OOP) on software quality and reusability.
- Assess the significance of the system development life cycle and its effectiveness.
- Apply the principles of network technologies in designing a network.
- Examine the principles 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, and deploying enterprise applications on the desktop and on the Web.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)

- ENGL200 - Composition and Literature

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ITCC121 - Introduction to Computer Science](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD222 - Advanced Web Analytics](#)

- [ITCC112 - Advanced Productivity Applications](#)
- [ITCC113 - Office Presentation Applications](#)
- [ENTD200 - Fundamentals of Programming](#)
- [ENTD311 - Analysis and Design of Information Systems](#)
- [ENTD321 - Object-Oriented Programming and UML](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ISSC411 - Application Security](#)
- [ISSC341 - Introduction to Networking](#)
- [INFO321 - Database Management Systems](#)
- [ISSC431 - Database Systems Security](#)

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)

- [WEBD221 - Intermediate Web Development](#) [Prerequisite: WEBD121 - Web Development Fundamentals]
- [WEBD241 - Web Development using JavaScript](#)
- [INFO331 - Management Information Systems](#)
- [ISSC422 - Information Security](#)
- [ISSC321 - Computer Systems Organization: Intermediate](#)

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 completion of this concentration, graduates 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):

- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)

Mobile Computing Concentration (15 semester hours)

Upon completion of this concentration, graduates 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):

- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

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 as a primary language for building mobile apps, games, and enterprise software and works across multiple platforms.

Objectives

Upon completion of this concentration, students 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):

- [ENTD200 - Fundamentals of Programming](#)
- [ENTD380 - Introduction to Object Oriented Programming with Java](#)
- [ENTD381 - Object Oriented Programming With Java](#)
- [ENTD481 - Enterprise Development using J2EE](#)

- [ENTD411 - Application Development](#)

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.

Upon completion of this concentration, graduates 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):

- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD464 - Enterprise Development using .NET: Project](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Final Program Requirements (3 semester hours)

- [INFO498 - Information Technology: Capstone](#) (to be taken as the last course before graduation) [Prerequisite: [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Information Technology Management

This program is for students interested in pursuing careers in fields that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based solutions to practical problems. Students develop and communicate technological solutions to industrial problems, manage systems operations, improve and evaluate products, provide customer support, and facilitate technology transfer in industry and government. Students learn to apply ethical judgments and critical thinking to assess the impact of information technology on contemporary social, political, and economic issues. Students completing the IT program can apply for a range of IT-related positions, such as: programmer analyst, systems analyst, database analyst, information systems analyst, network analyst, security analyst, security risk assessor/manager, project manager, computer resource manager, and IT manager.

Software and/or lab equipment required for some courses in this program are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please see the course materials section of those courses for more information prior to registration.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Information Technology Management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

[MATH111 - College Trigonometry](#)

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [ITCC200 - Application Software Integration](#)
- [ITCC121 - Introduction to Computer Science](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [ENTD200 - Fundamentals of Programming](#)
- [BUSN320 - Principles of E Business](#)
- [INFO331 - Management Information Systems](#)

- [INFO321 - Database Management Systems](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC363 - IT Security: Risk Management](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [ITMG321 - Information Technology Project Management](#)

Major Requirements (12 semester hours)

- [ITMG322 - Project Management Using MS Project](#)
- [ITMG481 - Ethics in Information Technology](#)
- [ITMG421 - Virtual Management](#)
- [WEBD321 - Web eCommerce Development](#)

Final Program Requirements (3 semester hours)

- [ITMG498 - IT Management: Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Legal Studies

This program is designed for students interested in the study of law and legal issues or for those interested in a social sciences-oriented degree that emphasizes governance, civil and criminal processes, legal systems, and the theory and philosophy of justice.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- LSTD204 - Introduction to the Courts
- LSTD205 - Legal Research and Writing
- LSTD210 - Legal Ethics
- LSTD300 - Administrative Law and Policy
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- LSTD303 - Family Law

Major Requirements (18 semester Hours)

Select 6 courses from the following:

- LSTD207 - Civil Practice and Procedure
- 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](#) [Prerequisite: SOCI111 - Introduction to Sociology]

Final Program Requirements (3 semester hours)

- [LSTD497 - Senior Seminar in Legal Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics provides students with the mathematical skills to synthesize knowledge from the branches of mathematics to solve the critical issues we face today and in the future. The program provides students with practical skills and theoretical knowledge of mathematics, statistics, and computational methods. The program is designed to focus on knowledge of mathematics, the critical thinking skills necessary to assess, evaluate, and apply practical solutions to complex issues and the application of quantitative and qualitative methods in a wide variety of work disciplines. This degree will prepare our graduates to use their skills in almost every sector of the job market including mathematics-based positions in business, industry, engineering, management, government, and the military services.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Mathematics also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of mathematics, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (35 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (45 semester hours)

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH200 - Analytic Geometry](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [MATH210 - Discrete Math](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [MATH225 – Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [MATH220 - Linear Algebra](#) [Prerequisites: MATH200 - Analytic Geometry and MATH225 - Calculus]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [MATH227 – Calculus III](#) [Prerequisite: MATH226 - Calculus II]
- [MATH240 - Differential Equations](#) [Prerequisite: MATH226 - Calculus II]
- [ENGL220 - Technical Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MATH239 - Data Analysis and Presentation](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [MATH328 - Probability Theory with Applications](#) [Prerequisite: MATH226 - Calculus II]
- [BUSN312 - Operations Research](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [MATH320 - Mathematical Modeling](#) [Prerequisite: MATH220 - Linear Algebra]

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)

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

Students who successfully complete this program 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)

- [MATH305 - Real Analysis](#) [Prerequisites: MATH227 – Calculus III, MATH240 – Differential Equations, and MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH412 - Graph Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH419 - Set Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH470 - Measurement Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH418 - Topology](#) [Prerequisite: MATH419 - Set Theory]
- [MATH460 - Principles of Applied Math](#) [Prerequisite: MATH419 - Set Theory]

Concentration in Operations Research (21 semester hours)

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

Students who successfully complete this program 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)

[MATH330 - Linear Optimization](#) [Prerequisite: MATH220 - Linear Algebra]

- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH375 - Inventory Models and Systems](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH415 - Operational Simulation](#) [Prerequisite: MATH330 - Linear Optimization and MATH375 - Inventory Models and System]
- [MATH420 - Game Theory and Decision Models](#) [Prerequisite: MATH220 - Linear Algebra and MATH225 - Calculus]

Concentration in Statistics (21 semester hours)

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

Students who successfully complete this program 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)

- [MATH325 - Linear Regression I](#) [Prerequisite: MATH220 - Linear Algebra and MATH302 - Statistics]
- [MATH335 - Non-Parametric Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH431 - Linear Regression II](#) [Prerequisite: MATH325 - Linear Regression I]
- [MATH440 - Stochastic Processes](#) [Prerequisites: MATH335 - Non-Parametric Statistics, MATH410 - Design of Experiments, and MATH431 - Linear Regression II]

Final Program Requirements (3 semester hours)

- [MATH499 - Senior Seminar in Mathematics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Electives (15 semester hours)

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

Total = 122 semester hours

Bachelor of Science in Natural Sciences

The B.S. in Natural Sciences prepares you for entry-level careers as a scientist or laboratory technician or manager, or to pursue higher-level graduate study in the natural science fields. Through this undergraduate degree program you will:

- Gain the scientific and analytical skills needed to become a well-rounded scientist
- Build a solid foundation in the sciences through multiple courses of study in biology, chemistry, physics and earth science
- Perform hands-on laboratory exercises to complement the topics and concepts covered in lecture material
- Learn the unique structure, style, process, and documentation required for scientific writing
- Study the history and philosophy of science including prominent contributors from the ancient Greeks to current day
- Understand essential elements of scientific research and issues associated with the scientific method, experimental and non-experimental research design, and statistical data analyses

In addition, the program 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 teacher’s certification through a post-baccalaureate program in education if your goal is to become a high school or middle school science teacher.

This program has specific transfer credit requirements, including time limits on previous courses completed.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science degree in Natural Sciences seeks the following specific learning outcomes of its graduates:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (27 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 3 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH111 - College Trigonometry

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (48 semester hours)

- [GEOG103 - Physical Geography](#)
- [BIOL133 - General Biology I with Lab](#) (4 semester hours)
- [CHEM133 - General Chemistry I with Lab](#) (4 semester hours)
- [BIOL134 - General Biology II with Lab](#) (4 semester hours) [Prerequisite: BIOL133 - General Biology I with Lab]
- [CHEM134 - General Chemistry II with Lab](#) (4 semester hours) [Prerequisite: CHEM133 - General Chemistry I with Lab]
- [MATH225 - Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [ENGL221 - Scientific Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [PHIL202 - Philosophy of Science](#)
- [HIST270 - History of Science](#)
- [SCIN299 - Natural Sciences Review](#)
- [MATH302 - Statistics](#) [Prerequisite: Math110 - College Algebra, or MATH111 - College Trigonometry, or MATH225 - Calculus]

Select 1 course from the following:

- [PHYS133 - Elements of Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH110 - College Algebra, or MATH111 - College Trigonometry, or MATH225 - Calculus]
- [SCIN233 - Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH225 - Calculus]

And select 1 course from the following:

- [PHYS134 - Elements of Physics II with Lab](#) (4 semester hours) [Prerequisite: PHYS133 - Elements of Physics I with Lab]
- [SCIN234 - Physics II with Lab](#) (4 semester hours) [Prerequisites: SCIN233 - Physics I with Lab and MATH226 - Calculus II]

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)

Objectives

Students who successfully complete this program 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)

- [BIOL240 - Elements of Biological Chemistry](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [BIOL241 - Cell Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [SCIN211 - Principles of Genetics with Lab](#) (4 semester hours) [Prerequisite: BIOL133 - General Biology I with Lab or SCIN130 - Introduction to Biology with Lab]
- [BIOL342 - Evolutionary Biology with Lab](#) (4 semester hours) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [EVSP416 - General Ecology](#) [Prerequisite: BIOL133 - General Biology I with Lab or SCIN130 - Introduction to Biology with Lab]
- [SCIN400 - Research Methods in Natural Sciences](#) [Prerequisite: SCIN299 - Natural Sciences Review]

And select 4 courses from the following:

- [BIOL301 - Molecular Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [BIOL322 - Developmental Biology](#) [Prerequisites: BIOL241 - Cell Biology and SCIN211 - Principles of Genetics with Lab]
- [GEOG200 - Fundamentals of GIS I](#)
- [SCIN202 - Microbiology](#) [Prerequisite: BIOL133 - General Biology I with Lab or SCIN130 - Introduction to Biology with Lab]
- [SCIN206 - Marine Biology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]
- [SCIN310 - Vertebrate Zoology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]
- [SCIN311 - Fisheries Biology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]
- [SCIN314 - Botany](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]
- [SCIN316 - Plant Identification, Taxonomy, and Systematics](#)
- [SCIN360 - Advanced Human Anatomy and Physiology](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology with Lab II or SCIN132 - Human Anatomy and Physiology with Lab]
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]
- [SCIN403 - Plant Science](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab or BIOL134 - General Biology II with Lab]

Concentration in Earth Science (32 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Use the scientific method and scientific tools to solve problems 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):

- [SCIN138 - Introduction to Physical Geology with Lab](#) (4 semester hours)
- [GEOG200 - Fundamentals of GIS I](#)
- [ERSC204 - Earth System History](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC206 - Weather and Climate](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [SCIN261 - Introduction to Planetary Science with Lab](#) (4 semester hours)
- [ERSC305 - Ocean and Atmospheric Dynamics](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [SCIN400 - Research Methods in Natural Sciences](#) [Prerequisite: SCIN299 - Natural Sciences Review]

And select 3 courses from the following:

- [ERSC301 - Hydrology](#) [Prerequisite: GEOG103 - Physical Geography or SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC302 - Geomorphology](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC303 - Conservation of Natural Resources](#) [Prerequisite: GEOG103 - Physical Geography]
- [ERSC401 - Natural Hazards and Society](#) [Prerequisites: ERSC206 - Weather and Climate, ERSC302 - Geomorphology, and GEOG103 - Physical Geography]
- [EVSP310 - Water Science](#) [Prerequisites: BIOL133 - General Biology I with Lab and MATH302 - Statistics]
- [EVSP311 - Soil Science](#) [Prerequisites: CHEM133 - General Chemistry I with Lab or SCIN131 - Introduction to Chemistry with Lab and SCIN138 - Introduction to Physical Geology with Lab]
- [EVSP416 - General Ecology](#) [Prerequisite: BIOL133 - General Biology I with Lab or SCIN130 - Introduction to Biology with Lab]
- [GEOG201 - Fundamentals of Geographic Information Systems II](#) [Prerequisite: GEOG200 - Fundamentals of GIS I]

Final Program Requirements (3 semester hours)

- [SCIN499 - Senior Seminar in Natural Sciences](#) (to be taken as the last course before graduation) [Prerequisite: SCIN400 - Research Methods in Natural Sciences and senior standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or 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 Human Anatomy and Physiology with Lab sequence (BIOL250 and BIOL251, 4 semester hours each) as part of their elective choices.

Total = 122 semester hours

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 program offers students a seamless transition from the associate degree in nursing to the BSN degree, and provides a foundation for further graduate studies in nursing.

In the online RN to BSN program, students 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 baccalaureate degree in nursing at American Public University System is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791.

This program has specific admission requirements.

Degree Program Outcomes

Graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs.

Major Requirements (33 semester hours)

Associate degree in nursing or diploma degree in nursing.

Current active, unencumbered registered nursing license.

- [MATH302 - Statistics](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, MATH 225 - Calculus]

Students fulfill 30 of the 33 credit hour requirements by having a current active, unencumbered registered nursing license.

General Education Requirements (30 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARTH200 - Art Appreciation](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [JAPN100 - Introduction to Japanese](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [PORT100 - Introduction to Brazilian Portuguese](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (28 semester hours)

- [NURS300 - Professional Transitions in Nursing](#) (required as the first course in this program). Only students who applied to and are accepted to the Nursing Program may enroll in nursing (NURS) courses.
- [NURS310 - Assessment, Evaluation and Clinical Decision-Making](#)
- [NURS325 - Integrated Pathophysiology and Clinical Pharmacology](#) (4 semester hours)
- [NURS340 - Science of Evidence-Based Practice](#) [Prerequisite: MATH302 - Statistics with a "C" or better]
- [NURS350 - Transformational Leadership and Cultures of Safety](#)
- [NURS400 - Emerging Scholarship and Trends in Healthcare](#)
- [NURS401 - Caring for Today's Veterans](#)

- [NURS421 - Community Health I](#)
- [NURS422 - Community Health II](#) [Prerequisite: NURS421 - Community Health I]

Final Program Requirements (3 semester hours)

- [NURS498 - Senior Seminar in Nursing Studies](#) with a "B" or better (to be taken as the last course before graduation)
[Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (23 semester hours)

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

Total = 120 semester hours

Bachelor of Science in Public Health

This degree provides a professionally focused understanding of public health issues in America and abroad including the science, psychology, and sociology associated with public health issues. Students will study public law, policy, and administration associated with the effective and efficient administration of public health and will learn of the health system, its management, finances, and structure. Students in this program are typically interested in (or already employed in) some aspect of the health system, concerned of the public health situation in the United States and/or abroad, or are generally interested scholars who seek a public-minded degree.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of public health, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (35 semester hours)

- [PBHE112 - Health Services Organization](#)
- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE211 - Public Health in America](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [COLL300 - Research, Analysis, and Writing](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PBHE426 - Quarantine](#)
- [PBHE427 - Epidemiology](#)
- [POLS410 - Public Policy](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG340 - Consequence Management
- EDMG420 - Risk Communications
- HLSS212 - Chemical, Biological and Radiological Hazards
- HLSS320 - Intelligence and Homeland Security
- PBHE111 - Introduction to Health Care Administration
- PBHE413 - Special Operations in Emergency Medical Services
- PSYC324 - Psychology of Addiction and Substance Abuse
- PSYC406 - Psychopathology
- PSYC431 - Psychology of Disaster

Concentration in Health and Wellness (15 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Health and Wellness seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program 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 (15 semester hours)

- SPHE295 - Foundations of Nutrition
- PSYC460 - Sports Psychology
- SOCI315 - Food and Culture
- SOCI423 - Sociology of Health and Illness
- SPHE314 - Exercise Physiology

Final Program Requirements (3 semester hours)

- PBHE498 - Senior Seminar in Public Health (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (15 semester hours)

Select any courses that have not been used to fulfill core, 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.

Total = 121 semester hours

Bachelor of Science in Space Studies

This program blends the study of space science, management, operations, economy, and national security. After completing the core courses in the general program, students will take four courses that cover space station, satellite, space craft, or transportation systems as well as courses in planetary and space explorations, space weapons, space weather, and astronomy.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of space studies, graduates in this degree program will be able to:

Research and Analysis

- Conduct fundamental quantitative and qualitative research related to space systems and theory.
- Analyze the principles of manned and unmanned flight outside of Earth’s atmosphere.

Scientific Investigation

- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.

National and International Security

- Assess the institutions of space law and determine how these institutions affect applications such as commercial and private satellite sales and arms control.
- Describe the role(s) of key space organizations in the United States.
- Evaluate the political and commercial significance of major national and international space endeavors including past, current, and planned.
- Analyze the advantages and disadvantages of space systems in modern warfare, including manned and unmanned aerial vehicles as well as space-based platforms.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN121 - Habitable Worlds; Are We Alone? with Lab](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calcululus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (38 semester hours)

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SPST300 - Introduction to Space Studies](#) [Prerequisite: [MATH111 - College Trigonometry](#)]
- [SPST301 - Introduction to Space Flight](#)
- [SPST303 - History of Space](#)
- [SPST304 - National Space Organization](#)
- [SPST305 - Introduction to Orbital Mechanics](#)

- [SPST306 - Human Space Flight](#)
- [SPST307 - Space Policy](#)
- [SPST310 - Rocket Propulsion](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [SPST330 - Launch and Reentry Systems](#)
- [SPST415 - Space Station Systems and Operations](#)
- [SPST425 - Satellite and Spacecraft Systems](#)
- [SPST435 - Planetary and Space Exploration](#)
- [SPST445 - Space Transportation Systems](#)
- [SPST465 - Space Weather](#)
- [SPST485 - Space Wargaming](#)
- [SPST490 - Independent Study - Aerospace](#)

Final Program Requirements (3 semester hours)

- [SPST499 - Senior Seminar in Space Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

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

Total = 124 semester hours

Bachelor of Science in Sports and Health Sciences

The Sports and Health Sciences degree is a scientific study of human movement and human behavior relative to exercise, fitness, nutrition, health, and wellness. This degree is designed to prepare students to meet challenges in these dynamic and emerging fields of study. Students will engage in core issues and concepts in areas such as anatomy and physiology, nutrition, kinesiology, and exercise programming and testing. An emphasis is placed on biophysical functions, evidence based practice and principles applicable to human movement and performance in physical activity.

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 general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports and health sciences, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (36 semester hours)

- SCIN131 - Introduction to Chemistry with Lab (4 semester hours)
- BIOL250 - Human Anatomy and Physiology I (4 semester hours)
- BIOL251 - Human Anatomy and Physiology II (4 semester hours)
- SPHE290 - Foundations of Sports and Health Sciences
- SPHE295 - Foundations of Nutrition
- SPHE421 - Kinesiology [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- SPHE314 - Exercise Physiology
- PSYC460 - Sports Psychology
- SPHE405 - Sports First Aid [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- SPHE320 - Nutrition [Prerequisite: SPHE295 - Foundations of Nutrition]
- SPHE420 - Exercise Programming and Testing [Prerequisite: BIOL251 - Human Anatomy and Physiology II]

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)

Select 6 courses from the following:

- [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](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE317 - Sports Medicine](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE324 - Biomechanics](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [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](#) [Prerequisite: SPHE317 - Sports Medicine]
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Concentration in Coaching Studies (18 semester hours)

Objectives

Students who successfully complete this program 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)

- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE417 - Leadership Concepts in Coaching](#)

And select 1 course from the following:

- [SPHE350 - Coaching Baseball Technical and Tactical Skills](#)
- [SPHE351 - Coaching Basketball Technical and Tactical Skills](#)
- [SPHE352 - Coaching Football Technical and Tactical Skills](#)

Concentration in Exercise Science (18 semester hours)

Objectives

Students who successfully complete this program 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)

- [MATH302 - Statistics](#)
- [SPHE315 - Training and Conditioning](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE317 - Sports Medicine](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE323 - Sports Conditioning](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE324 - Biomechanics](#) [Prerequisites: BIOL250 - Human Anatomy and Physiology and BIOL251 - Human Anatomy and Physiology II]
- [SPHE425 - Therapeutic Exercise](#) [Prerequisite: SPHE317 - Sports Medicine]

Concentration in Fitness and Wellness Professional Studies (18 semester hours)

Objectives

Students who successfully complete this program 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)

- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE427 - Epidemiology](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Final Program Requirements (3 semester hours)

- [SPHE490 - Senior Seminar in Sports and Health Sciences](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (25 semester hours)

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

Total = 123 semester hours

Bachelor of Science in Sports Management

The Sports Management degree prepares students to meet the demands of working in the sports industry through applying a variety of management, leadership, administration, and business learned competencies, skill sets, and knowledge throughout the curriculum. Students will learn to analyze, evaluate, and synthesize core issues central to sports finance, sports marketing, sports sociology, and sports ethics.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports management, graduates in this degree program will be able to:

- 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 Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• 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

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARTH200 - Art Appreciation
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- JAPN100 - Introduction to Japanese
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- PORT100 - Introduction to Brazilian Portuguese
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- SPAN100 - Spanish I
- SPAN101 - Spanish II

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- LSTD209 - Sports Law, Risk, and Regulation
- ACCT105 - Accounting for Non Accounting Majors
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- SPHE379 - Contemporary and Social Issues in Sport
- SPHE326 - Ethics in Sports
- SPHE412 - Sports Finance
- SPHE413 - Sports Marketing
- SPHE316 - Sports and Recreation Facility Management
- SPHE400 - Sports Management Foundations

Major Requirements (15 semester hours)

- MKTG304 - Public Relations
- SPHE430 - Sports Communication
- SPHE416 - Athletic Programs Administration
- SPHE440 - Sports Event Management and Planning
- SPHE450 - Sports Governance

Final Program Requirements (3 semester hours)

- [SPHE491 - Senior Seminar in Sports Management](#) (to be taken as the last course before graduation). [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

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

Total = 122 semester hours

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 will be eligible to receive the AAS in technical management as well as a certificate in technical management.

The Bachelor of Applied Science in Technical Management offers the following concentrations:

- Technical Management
- Project Management
- Technical Resource Management
- Management Information Systems

Degree Program Objectives

In addition to the institutional and general education learning objectives, the Bachelor of Applied Science degree in Technical Management seeks the following specific learning outcomes of its graduates:

- 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.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (31 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL200 - Composition and Literature](#)

History - 3 semester hours

- 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

Humanities - 3 semester hours

- COMM200 - Public Speaking

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- SCIN121 - Habitable Worlds; Are We Alone? with Lab
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab

- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [ACCT105 - Accounting for Non Accounting Majors](#)
- [BUSN100 - Basics of Business](#)
- [MGMT101 - Principles of Supervision](#)
- [BUSN250 - Analytics I](#)
- [EDMG220 - Emergency Planning](#)
- [MATH302 - Statistics](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [MGMT310 - Principles of Management](#)
- [MGMT312 - Leadership & Motivation](#)

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 completion of this concentration, students 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)

- [BUSN350 - Analytics II](#) [prerequisite: BUSN250 - Analytics I]
- [INFO321 - Database Management Systems](#)
- [INFO331 - Management Information Systems](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC422 - Information Security](#)

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 completion of this concentration, students 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)

- [BUSN333 - Project Management for Business Analysts](#)
- [FINC405 - Budget Development and Execution](#)
- [INFO331 - Management Information Systems](#)
- [ITMG322 - Project Management using MS Project](#)
- [MGMT311 - Organizational Behavior](#)

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 completion of this concentration, students 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)

- [FINC400 - Principles of Financial Management](#)

- [INFO331 - Management Information Systems](#)
- [ITMG322 - Project Management using MS Project](#)
- [MGMT410 - Strategic Management](#)
- [TLMT313 - Supply Chain Management](#)

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 completion of this concentration, students 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)

- [BUSN333 - Project Management for Business Analysts](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [FINC400 - Principles of Financial Management](#)
- [FINC405 - Budget Development & Execution](#)
- [HRMT407 - Human Resource Management](#)

Final Program Requirements (3 semester hours)

- [MGMT495 - Senior Seminar in Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

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

Total = 121 semester hours

Learning Track in Airport Transportation Security

Only United States Federal Government Transportation Security Officers may enroll in this track. This track seeks to provide a foundation for students who are entering a career in the Transportation Security Administration. This track will provide an introduction to homeland security from a United States perspective in the first course. A basic understanding of intelligence analysis and security management key concepts is provided in the second course. The third course introduces students to transportation and border security issues and operations.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [HLSS150 - Introduction to Homeland Security](#)
- [INTL150 - Intelligence Analysis and Security Management](#)
- [SCMT150 - Transportation and Border Security](#)

Total = 9 semester hours

Learning Track in Business Basics

This track seeks to provide a foundation for students who are seeking a career in the business field or are already working in business but are seeking the academic credentials to support their future career plans. This track will provide a basic understanding of key business concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of business.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ACCT105 - Accounting for Non-Accounting Majors](#)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)

Total = 9 semester hours

Learning Track in College Readiness

This track is designed for those seeking to enroll in college for the first time or for those who have been out of school for a number of years and want to pursue a certificate or complete a program in their chosen field. The participants will have an opportunity to demonstrate, develop, and enhance writing and mathematics skills necessary to support the successful completion of subsequent college courses. This track will also prepare participants to pursue learning in the online world.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ENGL101 - Proficiency in Writing](#)
- [ENGL102 - Effectiveness in Writing](#) (Prerequisite: ENGL101 - Proficiency in Writing)

Select one course from the following:

- [MATH101 - Introduction to College Algebra](#)
- [MATH 110 - College Algebra](#)
- [MATH125 - Math for Liberal Arts Majors](#)

Total = 9 semester hours

Learning Track in Criminal Justice

This track in criminal justice seeks to expand students' academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students' ability to grasp basic law enforcement concepts and administration matters. Participants will explore subjects in an interdisciplinary context through a social science approach involving aspects of criminology, sociology, law, and political science. Additionally, participants will investigate issues related to the collection and preservation of evidence, as well as basic crime scene investigations. This program will also focus on the laws and court decisions relating to the admissibility of evidence. The track is suggested for those interested in an introduction to the field of criminal justice.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [CMRJ100 - Introduction to Law Enforcement](#)
- [CMRJ101 - Evidence and Procedures](#)
- [CMRJ201 - Criminal Justice Administration](#)

Total = 9 semester hours

Learning Track in Economics

This track seeks to provide a foundation for students to understand how macro and micro economic events influence the business environment and how economic theory can assist in the strategic and operational functioning of businesses. This track will provide a basic understanding of key business and economic concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of economics and an understanding of how economic and business theory work together.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

Total = 9 semester hours

Learning Track in Information Security

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Information Security. Participants will explore the protection of information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. They will also examine the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This track is suggested for those interested in an introduction to the field of Information Security.

This program has a preadmission requirement that all students must have fulfilled a network technology course, such as ISSC340, ISSC341, or ISSC343 first.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ISSC361 - Information Assurance](#)
- [ISSC362 - IT Security: Attack and Defense](#)
- [ISSC422 - Information Security](#)

Total = 9 semester hours

Learning Track in Information Technology (IT) Project Management

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to IT Project Management. This track will provide a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. Participants will explore the planning and processes involved in an information system project including planning, scheduling, and controlling aspects of a project during its life cycle. This track is suggested for those interested in an introduction to the field of IT Project Management.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO331 - Management Information Systems](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management using MS Project](#)

Total = 9 semester hours

Learning Track in Managerial Analytics

Data procurement and analysis is playing a pivotal role in business in the pursuit to operate more efficiently, perform more effectively, and create better tools for managers for decision making. This Learning Track is designed for providing information to existing managers who need to acquire skills to make more objective-based decisions in today's business environment. Students will be given operational level theoretical and applicable use of data analysis and implementation.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN250 - Analytics I](#)
- [BUSN350 - Analytics II](#)
- [BUSN450 - Applied Analytics](#)

Total = 9 semester hours

Learning Track in Microsoft Access Database

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Microsoft Access Database. This track will introduce participants 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). Participants will examine the theories and skills necessary to develop real-world databases. This track is suggested for those interested in an introduction to the field of database development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with MS Access: Advanced](#)

Total = 9 semester hours

Learning Track in Professional Development for Executives/Directors

This track is designed for executives or directors who supervise senior managers, store managers, or equivalent positions managing up to one hundred billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, strategy, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics & compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for very senior executives or directors.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [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 and 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 = 9 semester hours

Learning Track in Professional Development for Managers

This track is designed for store managers or equivalent positions managing up to a half billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for single store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [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 = 9 semester hours

Learning Track in Professional Development for Senior Managers

This track is designed for senior managers who supervise multiple store managers or equivalent positions managing up to ten billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for managers of multiple store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [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 = 9 semester hours

Learning Track in Visual Design

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Computer Graphics and Visual Design. This track will introduce the participant to the principles and practices of image manipulation, image enhancement, and image storage. The participant will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, brightness, contrast, image noise, noise reduction, transparency, opacity, hue, saturation, and image layering. This track is suggested for those interested in an introduction to the field of computer graphics.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN142 - Graphics Design and Print Media](#)
- [DSIN241 - Illustration and Design Using Adobe Illustrator](#)

Total = 9 semester hours

Learning Track in Web Development

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Web Development. This track will introduce the participant to the principles, practices, and processes for building and deploying websites on the World Wide Web (WWW). This track is suggested for those interested in an introduction to the field of Web Development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD221 - Intermediate Web Development](#) [Prerequisite: WEBD121 - Web Development Fundamentals]
- [WEBD241 - Web Development Using JavaScript](#)

Total = 9 semester hours

Undergraduate Minor - Area Studies: African 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.

Minor Objectives:

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)

- [HIST340 - History of Africa](#)
- [IRLS310 - Introduction to Human Security](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [LITR370 - African Literature](#)

And select 1 course from the following:

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS412 - Comparative Foreign Policy](#)

Total = 18 semester hours

Undergraduate Minor - American Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in American Military history 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)

- [MILH202 - Survey of American Military History](#)

And select 5 courses from the following:

- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [MILH320 - The American Revolution](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - Korean War](#)
- [MILH371 - Vietnam War](#)

Total = 18 semester hours

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 completion of this minor, students 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)
<ul style="list-style-type: none">• IRLS300 - Comparative Political Systems• IRLS331 - Asian Politics• IRLS392 - Globalization and the Market Economy• IRLS412 - Comparative Foreign Policy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• HIST230 - History of East Asia• IRLS310 - Introduction to Human Security• PHIL310 - Studies in Chinese Thought

- [PHIL311 - Studies in Japanese Thought](#)

Total = 18 semester hours

Undergraduate Minor - Business Administration

Not open to students pursuing a major in Business Administration.

Minor Objectives:

The student who graduates with a minor in Business Administration 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)
<ul style="list-style-type: none">• BUSN310 - Business Theory• BUSN313 - Global and Competitive Strategy• FINC400 - Principles of Financial Management• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MKTG201 - Fundamentals of Marketing

Total = 18 semester hours

Undergraduate Minor - Child Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Child Development 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)
<ul style="list-style-type: none">• EDUC111 - Observation Techniques• CHFD307 - Child and Adolescent Development• CHFD308 - Infant-Toddler Development• CHFD312 - Special Needs Students• CHFD411 - Child Psychopathology [Prerequisite: CHFD307 - Child and Adolescent Development]• PSYC101 - Introduction to Psychology

Total = 18 semester hours

Undergraduate Minor - English

Not open to students pursuing a major in English.

Minor Objectives:

The student who graduates with a minor in English 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)

- ENGL401 - History of the English Language
- LITR320 - American Fiction
- LITR330 - Literary Theory
- LITR402 - Shakespeare: An Author for the Ages

And select 1 course from the following:

- LITR210 - English Literature from Beowulf through the 18th Century
- LITR211 - English Literature from the 18th Century through the Present

And select 1 course from the following:

- LITR316 - British Poetry
- LITR322 - American Poetry

Total = 18 semester hours

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 completion of this minor, students 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)
<ul style="list-style-type: none">• HIST310 - History of Modern Europe• IRLS343 - Government and Security of Russia• IRLS344 - European Politics• IRLS416 - The North American Treaty Organization (NATO) <p>And select 2 courses from the following:</p> <ul style="list-style-type: none">• IRLS392 - Globalization and the Market Economy• IRLS412 - Comparative Foreign Policy• PHIL302 - Ancient Western Philosophy

Total = 18 semester hours

Undergraduate Minor - Family Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Family Development 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)

- [CHFD225 - Introduction to the American Family](#)
- [CHFD340 - Family Development](#)
- [CHFD445 - Family Communication](#)
- [PSYC101 - Introduction to Psychology](#)
- [PSYC343 - Adult Development](#)
- [SOCI421 - Sociology of the Family](#)

Total = 18 semester hours

Undergraduate Minor - History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in History 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)

- [HIST300 - Research Methods in History](#) [Required]

Ancient and Classical History

And select 2 courses from the following:

- [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:

And select 2 courses from the following

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic](#)
- [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

And select 1 course from the following:

- [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 = 18 semester hours

Undergraduate Minor - Intelligence Studies

Not open to students pursuing a major in Intelligence Studies.

Minor Objectives:

The student who graduates with a minor in Intelligence Studies 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)
<p>Select 4 courses from the following:</p> <ul style="list-style-type: none">• INTL200 - Introduction to Intelligence Studies• INTL300 - Research Methods in Intelligence Studies• INTL301 - U.S. Intelligence Community• INTL304 - Intelligence Collection• INTL401 - Critical Analysis <p>And select 2 courses from the following:</p> <ul style="list-style-type: none">• HLSS320 - Intelligence and Homeland Security• INTL305 - Law and Ethics in Intelligence• INTL402 - Intelligence Analysis• INTL410 - Counterintelligence• INTL412 - Espionage/Counterespionage• INTL431 - Criminal Intelligence Analysis

Total = 18 semester hours

Undergraduate Minor - International Relations

Not open to students pursuing a major in International Relations.

Minor Objectives:

The student who graduates with a minor in International Relations 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)
<ul style="list-style-type: none">• IRLS200 - Information Literacy and Global Citizenship• IRLS300 - Comparative Political Systems• IRLS301 - International Organizations• IRLS302 - International Development <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• 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 and Security in the Middle East• IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy• IRLS468 - Politics and Security in the Persian Gulf

Total = 18 semester hours

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 completion of this minor, students 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)
<ul style="list-style-type: none">• HIST360 - History of Latin America• IRLS300 - Comparative Political Systems• IRLS310 - Introduction to Human Security• IRLS355 - Latin American Politics• IRLS392 - Globalization and the Market Economy <p><i>And select 1 course from the following:</i></p> <ul style="list-style-type: none">• IRLS213 - Political Geography

IRLS412 - Comparative Foreign Policy

- SPAN100 - Spanish I
- SPAN101 - Spanish II

Total = 18 semester hours

Undergraduate Minor - Management

Not available for Business Administration, Management, or Transportation and Logistics Management majors.

Minor Objectives:

The student who graduates with a minor in Management 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)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MGMT311 - Organizational Behavior• MGMT314 - Management Ethics• MGMT315 - Management Communications• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Minor - Marketing

Not open to students pursuing a major in Marketing.

Minor Objectives:

The student who graduates with a minor in Marketing 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)
<ul style="list-style-type: none">• MKTG201 - Fundamentals of Marketing• MKTG301 - Principles of Sales• MKTG400 - Marketing Research• MKTG401 - Marketing Strategy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• MKTG304 - Public Relations• MKTG305 - Advertising• MKTG307 - Consumer Behavior• MKTG403 - Marketing Management

Total = 18 semester hours

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 completion of this minor, students 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)
<ul style="list-style-type: none">• IRLS260 - Middle Eastern Culture• IRLS360 - Global Politics of Islam• IRLS460 - Government and Security in the Middle East• RELS353 - Islam <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• HIST350 - History of the Middle East

- [IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [RELS330 - Religions of the Middle East](#)

Total = 18 semester hours

Undergraduate Minor - Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in Military History 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)
<ul style="list-style-type: none">• MILH201 - Introduction to Military History• MILH202 - Survey of American Military History• MILH221 - War from Antiquity to 1700• MILH222 - War from 1700 to the Present• MILH303 - Readings in Military Leadership• MILH304 - Readings in Military Philosophy

Total = 18 semester hours

Undergraduate Minor - Philosophy

Not open to students pursuing a major in Philosophy.

Minor Objectives:

The student who graduates with a minor in Philosophy 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)

- [PHIL101 - Introduction to Philosophy](#)
- [PHIL300 - Logic](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Total = 18 semester hours

Undergraduate Minor - Psychology

Not open to students pursuing a major in Psychology.

Minor Objectives:

The student who graduates with a minor in Psychology 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)

- [CHFD342 - Human Life Span Development](#)
- [PSYC101 - Introduction to Psychology](#)
- [PSYC300 - Research Methods in Psychology](#)
- [PSYC303 - Learning and Cognition](#)
- [PSYC305 - History and Systems of Psychology](#)
- [PSYC406 - Psychopathology](#)

Total = 18 semester hours

Undergraduate Minor - Religion

Not open to students pursuing a major in Religion.

Minor Objectives:

The student who graduates with a minor in Religion 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)

- [PHIL410 - God and World](#)
- [RELS101 - Introduction to the Study of Religion](#)
- [RELS201 - Introduction to World Religions](#)
- [RELS202 - Religion in America](#)
- [RELS311 - Introduction to the Bible](#)
- [SOCI420 - Sociology of Religion](#)

Total = 18 semester hours

Undergraduate Minor - Security Management

Not open to students pursuing a major in Security Management.

Minor Objectives:

The student who graduates with a minor in Security Management 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)

- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

Total = 18 semester hours

Undergraduate Minor - Sociology

Not open to students pursuing a major in Sociology.

Minor Objectives:

The student who graduates with a minor in Sociology 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)
<ul style="list-style-type: none">• SOCI111 - Introduction to Sociology• SOCI212 - Social Problems• SOCI213 - Society, Interaction, and the Individual• SOCI303 - Classical Sociological Theory [prerequisite: SOCI111 - Introduction to Sociology]• SOCI331 - Research Methods for Sociology• SOCI403 - Social Change

Total = 18 semester hours

Undergraduate Minor - Space Studies

Not open to students pursuing a major in Space Studies.

Minor Objectives:

The student who graduates with a minor in Space Studies will be able to:

- Analyze the principles of manned and unmanned flight both within and outside of the Earth’s atmosphere.
- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.
- Describe the role(s) of key aerospace organizations in the United States.
- Evaluate the political and commercial significance of major national and international aerospace endeavors, including past, current, and planned.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]• SPST301 - Introduction to Space Flight• SPST303 - History of Space• SPST304 - National Space Organization• SPST305 - Introduction to Orbital Mechanics• SPST306 - Human Space Flight

Total = 18 semester hours

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:

- 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)
<ul style="list-style-type: none">• 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• EVSP421 - Water Resources Management

Total = 18 semester hours

Undergraduate Certificate - IT Infrastructure Security

This certificate focuses on assessing, mitigating, and managing security risks in IT infrastructures. Any undergraduate student, regardless of major, may enroll in the Certificate in Infrastructure Security. This certificate prepares the adult learner to seek entry-level career positions such as: Network Security Analyst, Network Security Manager, Network Security Assessor, and Network Security Designer. Program graduates will know how to design secure networks, develop risk mitigation plans, perform intrusion detection, and design secure networks.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">● ISSC341 - Introduction to Networking● ISSC342 - Operating Systems: Hardening and Securing● ISSC362 - IT Security: Attack and Defense● ISSC363 - IT Security: Risk Management● ISSC421 - Computer and Network Security● ISSC461 - IT Security: Countermeasures

Total = 18 semester hours

Undergraduate Certificate - IT Project Management Essentials

The world of Information Technology is replete with projects that were abandoned because of runaway scope and cost. On the other hand, the trend in the world economy is shrinking budgets and shorter deadlines; all this while projects are getting more complex. This certificate focuses on meeting industry needs for IT Managers that can manage cost, time, scope, quality, risk, and people to ensure that projects come in on time and under budget. It also addresses strategic planning and business systems analysis. This certificate meets the following learning outcomes.

An undergraduate student, regardless of field of study, may enroll in the Certificate of IT Project Management. This certificate prepares an IT professional to seek higher level career positions such as: IT project manager, IT manager, e-Business project manager, Web content manager, SEO analyst, IT cost analyst, and IT planner.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• ITMG321 - Information Technology Project Management• ITMG322 - Management using MS Project• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age• ITMG421 - Virtual Management

Total = 18 semester hours

Undergraduate Certificate - Law Enforcement Leadership

Certificate Objectives:

Upon completion of this program, 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)

- [CMRJ308 - Ethics in Criminal Justice](#)
- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)

And select 2 courses from the following:

- [FINC405 - Budget Development and Execution](#)
- [HRMT407- Human Resource Management](#)
- [HRMT413 - Employment and Labor Relations](#)
- [MGMT414 - Strategic Planning](#)

Total = 18 semester hours

Undergraduate Certificate - Meeting and Event Planning

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• HOSP100 - Introduction to Hospitality Management• HOSP308 - Meeting and Convention Planning• HOSP309 - Convention Sales and Services• HOSP320 - Business and Conference Hospitality Management• HOSP410 - Advanced Tourism and Hospitality Management• HOSP415 - Destinations and Cultures

Total = 18 semester hours

Undergraduate Certificate - Microsoft Access Database Applications

The Certificate in Microsoft Access Database Programming provides students with the theories and skills necessary to develop databases. This certificate prepares adult learners to seek entry-level career positions such as: Database Developer, Database Analyst, Database Designer, Database Specialist, and Microsoft Access Developer. Students will develop entity relationship diagrams, perform data modeling, design databases, normalize table structures, develop effective graphical user interfaces (GUI), and interact with the database using ANSI standard SQL.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• INFO161 - Relational Databases with Microsoft Access: Introduction• INFO221 - Relational Database Concepts• INFO261 - Relational Databases with Microsoft Access: Advanced• INFO262 - Relational Databases with Microsoft Access: Project• INFO331 - Management Information Systems\• WEBD121 - Web Development Fundamentals

Total = 18 semester hours

Undergraduate Certificate - Microsoft Office Applications

This certificate 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, spreadsheet, presentation, and communications applications in the Microsoft Office Suite. These courses use the Microsoft Official Academic Course curriculum that is aligned with Microsoft's Exam 77-881: Using Microsoft Office Word 2010, Exam 77- 882: Using Microsoft Office Excel 2010, Exam 77- 883: Using Microsoft Office PowerPoint 2010, and Exam 77-884: Using Microsoft Office Outlook 2010. The books meet the topical requirements for the *Microsoft Office Specialist (MOS)*: Microsoft Office Word 2010 certification, Microsoft Office Excel 2010 certification, Microsoft Office PowerPoint 2010 certification, and Microsoft Office Outlook 2010 certification. This certificate also examines Internet concepts and emerging technologies such as Web 2.0. An undergraduate student, regardless of field of study, may enroll in this certificate.

Certificate Objectives:

Upon completion of this program, 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)

- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [ITCC111 - Basic Productivity Applications](#)
- [ITCC112 - Advanced Productivity Applications](#)
- [ITCC113 - Office Presentation Applications](#)
- [ITCC114 - Office Communications Applications](#)
- [ITCC200 - Application Software Integration](#)

Total = 18 semester hours

Undergraduate Certificate - Military Leadership Studies

This program has been suspended.

Undergraduate Certificate - Mobile Computing

This certificate will broaden the cope of understanding mobile computing for information technology students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. Mobile computing is now one of the leading trends in technology that is influencing the use of mobile devices and the investment in corporate spending. Research firm Gartner notes mobile applications and technologies are expected to increase and affect corporate strategies. Additionally, as mobile computing becomes more appealing for users, the design and development of application software to support mobile and smart devices such as Blackberry, iPhones, iPads, and Droid become more attractive and financially rewarding. This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ENTD211 - Introduction to Software Design• ENTD313 - Mobile Application Design and Development• ENTD322 - Application Development for the Droid [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD333 - Application Development for the iPhone and iPad [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing (for engineering majors)]• ENTD413 - Advanced Mobile Application Design and Development• ENTD465 - Application Development for Windows Mobile Operating System [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

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:

Graduates of this certificate program are expected to achieve these learning outcomes:

- 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)

- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#) [Prerequisite: INFO171 - Relational Databases with Oracle: SQL Introduction]
- [INFO371 - Relational Databases With Oracle: PL/SQL](#) [Prerequisite: INFO171 - Relational Databases with Oracle: SQL Introduction]
- [ENTD211 - Introduction to Software Design](#)
- [ENTD381 - Object Oriented Programming with Java](#) [Prerequisite: ENTD200- Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing]

And select one course from the following:

- [INFO471 - Relational Databases With Oracle: Forms & Reports](#) [Prerequisite: INFO171 - Relational Databases with Oracle: SQL Introduction]
- [ENTD481 - Enterprise Development using J2EE](#) [Prerequisite: ENTD381 - Object Oriented Programming with Java]

Total = 18 semester hours

Undergraduate Certificate - Paralegal Studies

Certificate Objectives:

Upon completion of this program, 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)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD207 - Civil Practice and Procedure](#)
- [LSTD210 - Legal Ethics](#)
- [LSTD300 - Administrative Law and Policy](#)

Total = 24 semester hours

Undergraduate Certificate - Public Lands Management

Certificate Objectives:

Upon 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)

- [EVSP316 - U.S. Federal Environmental Organizations](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP330 - Fish and Wildlife Policies, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP411 - Environmental Regulation, Policy and Law](#)

Total = 18 semester hours

Undergraduate Certificate - Real Estate Management

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• BUSN120 - Real Estate Principles• BUSN121 - Real Estate Practice• BUSN220 - Real Estate Finance• BUSN221 - Real Estate Appraisal• BUSN222 - Real Estate Property Management• LSTD202 - Real Estate Law

Total = 18 semester hours

Undergraduate Certificate - Regional and Community Planning

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• EDMG259 - Hazard Mitigation and Preparedness• EVSP312 - Introduction to Sustainability• EVSP320 - Energy and Resource Sustainability• EVSP321 - Land Use and Planning• EVSP322 - Remote Sensing and Geographic Information Systems• EVSP415 - Environmental Impact Assessment

Total = 18 semester hours

Undergraduate Certificate - Restaurant Operations

Restaurant Operations is a flexible program that explores the essentials of front-office and behind-the-scenes operations related to foodservice management. Using relevant theory and concepts, students examine current managerial techniques and tools to effectively operate a wide variety of restaurants. Students also explore fundamentals of cost controls in foodservice and beverage operations, quantity food preparation and sanitation, purchasing, legal issues, and how to interpret industry financial indicators. This certificate would be a good addition to a business or management degree.

Certificate Objectives

Upon 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)

- [HOSP100 - Introduction to Hospitality Management](#) (required as the first course in this program)

Select 5 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)
- [HOSP200 - Food and Beverage Management](#)
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel & Restaurant Purchasing](#)
- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP200 - Food and Beverage Management]
- [HOSP400 - Quality Service Management](#)

Total = 18 semester hours

Undergraduate Certificate - Retail Management

The Undergraduate Certificate in Retail Management serves to generate interest in the retail management professional field while enhancing those already within the discipline, preparing graduates to pursue career opportunities in retail management field. This certificate will provide the basic skills needed to update and/or broaden the knowledge of employees in the dynamic and fast growing retail industry. This certificate will provide critical knowledge necessary in today's competitive retail market and will assist in transitioning into the management field of retailing. By developing management skills directly related to the retail industry, this certificate is designed for students who wish to develop the skills necessary to become future successful retail managers and continue their educational pathway to a Retail Management Degree.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">● RTMG150 - Retail Organization Fundamentals● RTMG200 - Customer Relations● RTMG201 - Retail Inventory Management● RTMG202 - Risk Management● RTMG203 - Commercial Safety● RTMG204 - Finance Fundamentals

Total = 18 semester hours

Undergraduate Certificate - Security Management

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• SCMT370 - Principles and Theory of Security Issues• SCMT371 - Legal and Ethical Issues in Security Management• SCMT373 - Evaluation of Security Programs• SCMT374 - Contemporary Issues in Security Management• SCMT390 - Security Administration• SCMT397 - Physical Security

Total = 18 semester hours

Undergraduate Certificate - Space Studies

Certificate Objectives:

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

- Discuss, describe, and distinguish between the characteristics of each planet in our solar system.
- Describe rocket fundamentals including propellants, combustion principles and general components.
- Analyze the principles of manned and unmanned flight, both within and outside of Earth’s atmosphere.

Certificate Requirements (19 semester hours)
<ul style="list-style-type: none">• SCIN134 - Introduction to Astronomy with Lab• SPST300 - Introduction to Space Studies• SPST301 - Introduction to Space Flight• SPST303 - History of Space• SPST305 - Introduction to Orbital Mechanics• SPST310 - Rocket Propulsion

Total = 19 semester hours

Undergraduate Certificate - Strategic Leadership

This certificate is designed to provide students the opportunity to develop the skill set needed to influence and persuade the workforce to become productive and efficient as it relates to the growth of the organization. The topics of study include leadership, motivation, performance management, information systems, organizational change, and staffing.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• HRMT407 - Human Resource Management• HRMT415 - Human Resource Information Management Systems• HRMT419 - Recruitment and Staffing• MGMT312 - Leadership and Motivation• MGMT313 - Organizational Change• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Certificate - Sustainability

Certificate Objectives:

Upon 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)

- [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](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

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.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ACCT105 - Accounting for Non Accounting Majors• BUSN100 - Basics of Business• BUSN250 - Analytics I• BUSN311 - Law and Ethics in the Business Environment• EDMG220 - Emergency Planning• MGMT312 - Leadership & Motivation

Total = 18 semester hours

Undergraduate Certificate - Terrorism Studies

The Terrorism Studies certificate covers the fundamentals of Counter-Terrorism methodology and predictive intelligence methods. Students completing the certificate will be able to define terrorism and understand why religious and politically motivated acts of violence occur. They will recognize the ideological forces behind domestic and international terrorism, and identify the correct courses of action to take to combat this threat. Moreover, this certificate will provide an overview of various individual terrorist groups- their histories, modus operandi as well as an examination of how best to employ the necessary counter-terrorism tools.

Certificate Objectives:

Upon completion of this program, 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)

Select 6 courses from the following:

- [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 = 18 semester hours

Undergraduate Certificate - United Nations

Certificate Objectives:

Upon completion of this program, 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)

Select 8 courses from the following:

- [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 = 24 semester hours

Undergraduate Certificate - Visual Basic Application Development

The Visual Basic Application Development Certificate focuses on the principles and practices necessary to design, develop, and deploy Web applications using the Visual Basic interactive development environment (IDE). Graduates will be able to build real-world Visual Basic 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, and .NET developer. Graduates will be able to apply and use Object Oriented Programming (OOP) and Visual Basic to develop Web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD261 - Scripting Languages for the Administrator• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• WEBD241 - Web Development using JavaScript

Total = 18 semester hours

Undergraduate Certificate - Visual Communications

Graphics are valuable tools for communication in Internet applications. This Visual Communications Certificate 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). This certificate also examines the process of designing, developing, and deploying text and graphics in motion to create a dynamic and interactive experience for the Web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, and animated shows. They will add audio and video to enhance the quality of the visual experience. Prior experience with using graphics software and with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• DSIN141 - Image Enhancement using Adobe Photoshop• DSIN241 - Illustration and Design Studio using Adobe Illustrator• WEBD121 - Web Development Fundamentals• WEBD122 - Introduction to Web Analytics• WEBD220 - Web 2.0 Fundamentals• WEBD221 - Intermediate Web Development

Total = 18 semester hours

Undergraduate Certificate - Weapons of Mass Destruction Preparedness

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• HLSS154 - Mind of a Terrorist• HLSS212 - Chemical, Biological, and Radiological Hazards• HLSS215 - Regulatory Issues in Weapons of Mass Destruction• HLSS302 - Introduction to Homeland Security and Defense• HLSS305 - Private Sector Homeland Security• HLSS312 - Port Security

Total = 18 semester hours

Undergraduate Certificate - Web 2.0

This certificate 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 certificate also reviews the various methods of posting information from the blog into web pages using RSS and 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 certificate to design and create blogs and forums. Topics include Web 2.0 management, marketing, branding, psychological factors, sociological aspects, customer social networking, community building, relationship management, and organizational impact. Prior experience with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• WEBD121 - Web Development Fundamentals• WEBD122 - Introduction to Web Analytics• WEBD220 - Web 2.0 Fundamentals• WEBD221 - Intermediate Web Development [Prerequisite: WEBD121 - Web Development Fundamentals]• WEBD241 - Web Development using JavaScript• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Web Publishing

This certificate provides an understanding of the process for building and deploying websites on the World Wide Web. This program prepares adult learners to seek entry-level career positions such as Web Publisher, JavaScript Developer, FrontPage Developer, Flash Animator, Flash Developer, Web Page Developer, Web Site Developer, and Web Master. Graduates will be able to apply and use the Document Object Models (DOM) in JavaScript, XML, and DHTML. Any undergraduate student, regardless of major, may take the following courses to complete a Certificate in Web Publishing.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• WEBD121 - Web Development Fundamentals• WEBD122 - Introduction to Web Analytics• WEBD221 - Intermediate Web Development [Prerequisite: WEBD121 - Web Development Fundamentals]• WEBD222 - Advanced Web Analytics [Prerequisite: WEBD122 - Introduction to Web Analytics]• WEBD241 - Web Development using JavaScript• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Certificate - Cloud Computing

Cloud computing is now one of the leading trends in technology that is influencing the use of computing platforms. The student will be able to comprehend cloud computing with respect to next-generation Service-Oriented strategies to provide measurable on-demand self-services with broad network access, resource pooling, and rapid elasticity, all while optimizing performance and reliability. Cloud-based such services include public IaaS (Infrastructure-as-a-Service), PaaS (Platform-as-a-Service), and SaaS (Software-as-a-Service). These three segments define the manner in which the cloud operates.

In April 2009 the US Government launched a summit on Cloud Computing. This embarked an initiative to utilize already available resources to interconnect and provide services on demand without the need for allocating funds for new infrastructure, platform, software, and equipment to provide functionality otherwise hard to attain for the required time specified. Implementation of this initiative supports Green IT Computing, as less hardware and software are utilized – the manufacturing, storage, implementation, and disposal of which contributes lower carbon footprint, hence supporting environmental efforts for a greener planet.

A recent global study shows that the cloud is rapidly maturing, gaining widespread adoption with customers willing to store significant amounts of data in the cloud. It was found that 70 percent of organizations worldwide are either using or evaluating cloud computing today and 63 percent of organizations using cloud estimate store more than \$250,000 worth of data in the cloud.

Related issues such as security, governance and compliance continue to be top of mind among enterprise customers. Moreover, cloud computing gives solutions to the difficulty of migrating certain legacy applications. Many existing software solutions are simply not designed for cloud computing and must be re-architected from the ground up. Finally, the cost of exit is a barrier for many businesses. They are reluctant to engage with a specific cloud provider until they have a solid understanding of how they can change to another provider if needed, and all associated costs involved. There is still a great deal of confusion here.

Virtualization platforms like all software have vulnerability flaws. Major providers for virtualization platforms such as Microsoft, VMWare, and Xen by Citrix, provide secure data centers on platforms that could still be vulnerable to threats. However, because of the nature of virtualization infrastructure the strategy for planning to secure these vulnerabilities are fairly well rated. Areas where security needs can be explored are in the following sections: hypervisor security, host and platform security, securing communications, security between guests and virtual users, and security between host and guests.

Cloud security standards that basically create a security interface standard for cloud security APIs are fortunately all in very few domains to tackle. While communications is the primary module for interoperability with other domains, it nevertheless does not solve certain vulnerabilities through which threats can become multi-dimensional attacks.

Moreover, the increase of shared resources gives rise to privacy issues both of the providers and of the consumers. Data and files stored on the cloud, services provided by the cloud, what insures privacy regulations are maintained? Privacy concerns, disclosure whether accidental or deliberate, data mining efforts – again whether beneficial or malignant, encryption/decryption rules applied on data and files, all result in a requirement for effective regulatory bodies such as the Data Protection Act (DPA) to be placed on the cloud. The Electronic Privacy Information Center (EPIC) released that the National Institute for Standards and Technology (NIST) has announced Guidelines on Security and Privacy in Public Cloud Computing and the NIST Definition of Cloud Computing. The Department of Homeland Security has also released in its Privacy Office 2010 Annual Report on the need for Cybersecurity on Cloud Computing. Finally, the Federal Trade Commission (FTC) is also acknowledging and raising awareness for privacy and security concerns on cloud computing.

These issues lead to positions in Cloud Security and Privacy, which entails Data Security Personnel and Auditing. As for the development and continued growth of Cloud Computing, the following careers are now available: Cloud Computing Architect – responsible for recommending and designing key security and privacy components, Cloud Computing Software Engineer – responsible for creation of a next generation cloud computing architecture, ITIL Delivery Manager – responsible for executing the strategic business plan while leading the delivery team to support Cloud customers, Cloud Linux Engineer – responsible for

implementing rapid cloud scaling technologies, and Cloud/Hosting Architect – hands-on experience with VMWare, storage, servers, routing/switching, and security.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cloud Computing. This Certificate program will also help prepare the next generation of green IT professionals to enable their organizations lead the way in helping deliver an organization's green credentials. The prepared student may seek entry to mid-level career positions such as, any job involved in procurement, provision, support, and delivery of Information Technology, including, but not limited to: Data Center Managers, Network Administrators, Network Engineers, Solutions Architects, Hardware Engineers; anyone with an interest in how IT can assist an individual or organization reduce their carbon emissions and output, individuals who have the responsibility of delivering an organization's green initiatives, IT or otherwise.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ISSC326 - Cloud Computing• ISSC345 - Service-Oriented Architecture• ISSC386 - Green Computing: Foundations and Strategies• ISSC387 - Green Computing: Advanced Topics• ISSC424 - Virtualization Security• ISSC426 - Cloud Security & Privacy [Prerequisite: ISSC326 - Cloud Computing]

Total = 18 semester hours

Undergraduate Certificate - Computer Systems and Networks

This certificate prepares the student to become a competent computer network professional in managing, maintaining, troubleshooting, installing, and configuring basic network infrastructures. Courses in this certificate program are aligned with the requirements of A+ and Network+ Certification. An undergraduate student, regardless of field of study, may enroll in the Certificate of Computer Systems and Networks.

This certificate prepares an Information Technology (IT) professional to seek entry-level career positions in administration, development, and integration such as: Help Desk Support Analyst, Network Administrator, Network Engineer, PC Specialist, and Systems Analyst. Program graduates will possess the right skills to design and administer networks; build, repair, and troubleshoot PCs, networks, and peripherals; and head help desk and client support.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• ISSC321 - Computer Systems Organization: Intermediate• ISSC322 - Computer Systems Organization: Advanced [Prerequisite: ISSC321 - Computer Systems Organization: Intermediate]• ISSC323 - Computer Hardware Systems• ISSC341 - Introduction to Networking• ISSC343 - Wireless Networks• ISSC421 - Computer and Network Security

Total = 18 semester hours

Undergraduate Certificate - Corrections Management

Certificate Objectives:

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

- Analyze the history of the American Penal System and examine the philosophies and laws of punishment and sentencing.
- Analyze key Supreme Court case decisions specifically pertaining to the constitutional rights of those incarcerated in an American correctional facility.
- Use various research methodologies to obtain comprehension of research applications and explain the relationship between two or more variables relating to a varied range of theoretical explanations for crime and criminality.
- Assess various correctional treatment strategies employed in correctional facilities as well as the impact of these strategies on the administrators of the facilities to comply with a variety of governmental agencies and their mandated requirements pertaining to specific inmate special population groups.
- Assess the roles of probation and parole officials and the interrelationship with the correctional programs.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CMRJ201 - Criminal Justice Administration• CMRJ202 - Stress Management in Law Enforcement• CMRJ308 - Ethics in Criminal Justice• CMRJ316 - Corrections and Incarceration• CMRJ317 - Probation and Parole• CMRJ320 - Law Enforcement Intelligence Applications

Total = 18 semester hours

Undergraduate Certificate - Counterintelligence

Certificate Objectives:

Upon 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)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)

And select 3 courses from the following:

- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)

Total = 18 semester hours

Undergraduate Certificate - CPA Examination Preparation

The CPA Examination Preparation undergraduate certificate offers non-accounting business students the opportunity to fulfill the education requirements to sit for the Certified Public Accountant (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.

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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

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

- 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)
<ul style="list-style-type: none">• ACCT301 - Intermediate Accounting I• ACCT302 - Intermediate Accounting II• ACCT303 - Intermediate Accounting III• ACCT305 - Accounting Information Systems• ACCT400 - Auditing• ACCT401 - Cost Accounting• ACCT415 - Law for Accountants

- [ACCT420 - Individual Federal Taxes](#)

Total = 24 semester hours

Undergraduate Certificate - Cybercrime Essentials

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. The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of digital forensics. Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This certificate provides students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes, examines the theory, best practices, and methodologies to conduct computer forensics investigations. An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybercrime Essentials.

This certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and use of various tools, techniques, and methods specific to cyber analysts to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This certificate also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• ISSC351 - Computer Forensics• ISSC361 - Information Assurance• ISSC422 - Information Security• ISSC451 - Cybercrime• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Cybersecurity

Computers and the Internet have become an integral part of conducting business for companies, organizations and the government. Cybersecurity experts are needed to keep systems and sensitive information secure and out of the hands of cyber criminals. Jobs in both the public and private sector are needed due to the growing dependence of most businesses on information technology. The below attacks which happened in the past few days will show the drastic need for Cybersecurity professionals:

CNN – June 1, 2011 – MASSIVE GMAIL PHISHING ATTACK: Hundreds of personal Gmail accounts, including those of some senior U.S. government officials were hacked as a result of a massive phishing scheme originating from China. Reported by Google.

CBC News – June 1, 2011 - CYBER ATTACKS EMBOLDEN HACKERS: U.S. Defense contractor Lockheed Martin, admitted that it was the recent target of a significant and tenacious cyber attack.

WICS – May 30, 2011 - BC-US—PBS WEBSITE HACKED: PBS officials say hackers have cracked the network’s website. The hackers apparently posted a phony story claiming that dead rapper Tupac Shukar was alive in New Zealand.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybersecurity. This Certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Cyber Security Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Security Systems Analyst, Cyber Security Engineer, Cyber Intelligence Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and utilization of various tools, techniques, and methods, specific to cyber analysts, to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This Certification also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• ISSC331 - Legal Issues in Information Security• ISSC351 - Computer Forensics• ISSC451 - Cybercrime• ISSC452 - Cybersecurity• ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Digital Forensics

This certificate program pertains to the study of various forensics models to identify, preserve, collect, examine, analyze, prepare, and present evidence for prosecuting cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator. The societal impact of cybercrime has become commonplace; it is broadcast on the evening news and is a favorite playing field for popular television shows (such as CSI) and moviemakers. Technology is a boon to society, but, in malicious hands it becomes a valuable instrument in a dark and sinister underworld. And, unfortunately, cyber legislation and forensics have been lagging way behind when it comes to cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Digital Forensics. This program will help prepare the next generation of IT professionals to fill positions in the Law Enforcement, at the corporate level anything from forensic to incident response, data misuse, hacking, intrusion and theft, for the Government including the Department of Defense, the National Security Agency, and the Department of Energy, and Military Investigations. It prepares the student to seek entry to mid-level career positions such as: Computer/Digital Forensics Examiner, Forensic Analyst, Computer Forensics Analyst, Forensics Systems Analyst, Forensics System Engineer, Digital Forensics Engineer, IT Forensics Manager, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Information Assurance Engineer, Information Security Crime Investigator, Computer Crime Investigator, Cyber Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know through various tools, techniques, and methods, how to properly acquire and collect evidence for use in legal proceedings for criminal or civil forensics requirements, present rules of evidence, and maintain integrity of the chain of custody.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">● ISSC351 - Computer Forensics● ISSC455- Digital Forensics: Investigation Procedures and Response● ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices● ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime

- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#)
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#)

Total = 18 semester hours

Undergraduate Certificate - E-Commerce

This certificate will broaden the scope of understanding e-commerce for IT students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. 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. 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). This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, 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.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• WEBD122 - Introduction to Web Analytics• WEBD222 - Advanced Web Analytics [Prerequisite: WEBD122 - Introduction to Web Analytics]• WEBD311 - Internet Concepts• WEBD321 - Web eCommerce Development• WEBD323 - Search Engine Optimization• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Emergency Management

With continual awareness on the need to assure sustainability in crisis situations, along with increasing 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 undergraduate certificate will provide the core knowledge needed to manage disaster planning and emergency operations in your corporation, organization or community. Through this 6-course program, you will be exposed to these topics and more:

- The role of public policy in emergency management including crisis or disaster mitigation, preparedness, response, and recovery
- Planning, testing and staffing of emergency preparation programs, including coordination with supporting agencies
- Disaster and hazard threat assessment and risk analysis
- Psychological and physiological human response to natural and man-made disasters
- The role and potential impact of social media in managing decimation of crisis information

Emergency management is a collateral duty for public safety leaders, but knowledge gained from this certificate of study can be practically applied in almost any industry.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• EDMG101 - Introduction to Emergency Management• EDMG220 - Emergency Planning• EDMG259 - Hazard Mitigation and Preparedness• EDMG321 - Social Media Application to Emergency and Disaster Management• POLS410 - Public Policy• PSYC431 - Psychology of Disaster

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications

The Enterprise Web Applications Certificate focuses on the theories and skills necessary to perform design, develop, and deploy enterprise web applications on the Internet. This certificate prepares the adult learner to seek entry-level career positions such as: Web Publisher, Web Developer, Web Database Developer, JavaScript Developer, Java Developer, and E-Commerce Developer. Graduates will be able to apply and use Object Oriented Programming (OOP), HTML, JavaScript, Java J2SE & J2EE), and E-Commerce Solution Developer. Graduates will examine the process to build real-world Java applications and to deploy them on the World Wide Web. It is strongly recommend that students complete the Certificate in Web Publishing before embarking on this Certificate.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD381 - Object Oriented Programming with Java [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD481 - Enterprise Development using J2EE [Prerequisite: ENTD381 - Object Oriented Programming with Java]• INFO321 - Database Management Systems• WEBD241 - Web Development using JavaScript• WEBD341 - Enterprise Data Exchange using XML

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications using .NET

The Enterprise Web Applications using .NET Certificate 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. Graduates will be able to apply and use Object Oriented Programming (OOP), Visual Basic, ASP, and C # to develop web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD463 - Enterprise Development Using C# [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]• ENTD464 - Enterprise Development using .NET: Project [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

Undergraduate Certificate - Environmental Technology

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• 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 = 18 semester hours

Undergraduate Certificate - Explosive Ordnance Disposal

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">● 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● SCIN133 - Introduction to Physics with Lab

Total = 19 semester hours

Undergraduate Certificate - Family Studies

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• CHFD340 - Family Development <p><i>And select 5 courses from the following:</i></p> <ul style="list-style-type: none">• 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 = 18 semester hours

Undergraduate Certificate - Fire Science

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• FSMT102 - Fire Behavior and Combustion• FSMT188 - Fire Prevention• FSMT201 - Fire Protection Systems• FSMT210 - Fundamentals of Fire Protection• FSMT287 - Fire Protection in Building Construction• FSMT289 - Fire Protection Hydraulics and Water Supply

Total = 18 semester hours

Undergraduate Certificate - Fish and Wildlife Management

Certificate Objectives:

Upon completion of this program, 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)

- [EVSP330 - Fish and Wildlife Policy, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#) [Prerequisite: MATH302 - Statistics]
- [EVSP411 - Environmental Policy, Regulation, and Law](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

Undergraduate Certificate - Forensics

Certificate Objectives:

Upon 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)
<ul style="list-style-type: none">• CMRJ329 - Criminal Profiling• CMRJ335 - Crime Analysis• CMRJ341 - Criminalistics• CMRJ402 - The Pathology of Death Investigations• LSTD302 - Criminal Law• SCIN131 - Introduction to Chemistry with Lab• SCIN132 - Introduction to Human Anatomy and Physiology with Lab

Total = 23 semester hours

Undergraduate Certificate - Foundations of Homeland Security

Only U.S. Transportation Security Administration (TSA) employees 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.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• HLSS150 - Introduction to Homeland Security• INTL150 - Intelligence Analysis and Security Management• SCMT150 - Transportation and Border Security <p><i>And select 3 courses from the following:</i></p> <ul style="list-style-type: none">• EDMG220 - Emergency Planning• EDMG230 - Emergency and Disaster Incident Command• HLSS154 - Mind of a Terrorist• HLSS212 - Chemical, Biological, and Radiological Hazards

Total = 18 semester hours

Undergraduate Certificate - Hazardous Waste Management

This program has been suspended.

Undergraduate Certificate - Homeland Security

Certificate Objectives:

Upon completion of this program, 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)

- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)

And select 3 courses from the following:

- [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 = 18 semester hours

Undergraduate Certificate - Human Resource Management

Certificate Objectives:

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

- Identify and discuss various laws, rules, regulations and policies affecting employees in today's workplace.
- Distinguish and 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)
<ul style="list-style-type: none">• HRMT407 - Human Resource Management• HRMT412 - Compensation and Benefits• HRMT413 - Employment and Labor Relations• HRMT415 - Human Resource Management Information Systems• HRMT416 - Human Resource Development• MGMT310 - Principles and Theory of Management

Total = 18 semester hours

Undergraduate Certificate - Infant and Toddler Care

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• CHFD210 - Childhood Educational Development• CHFD212 - Infant and Toddler Programs• CHFD308 - Infant-Toddler Development• CHFD312 - Special Needs Students• COMM240 - Intercultural Communication• EDUC111 - Observation Techniques

Total = 18 semester hours

Undergraduate Certificate - Information Security Planning

This certificate assesses the principles of attack and defense and applies that knowledge to protect the information assets of an organization. Any undergraduate student, regardless of major, may enroll in the Certificate in Information Security Planning. This certificate prepares the adult learner to seek entry-level career positions such as: Information Assurance Analyst, Information Assurance Manager, Security Policy Analyst, Security Planner, and Security Auditor. Program graduates will know how to design secure networks, develop security policies, use cryptography, and perform business continuity planning.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ISSC361 - Information Assurance• ISSC362 - IT Security: Attack and Defense• ISSC422 - Information Security• ISSC471 - IT Security: Auditing• ISSC481 - IT Security: Planning and Policy• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Information Systems Security Essentials

Security threats increase in number and severity at a faster rate than qualified security professionals can fill in the necessary gap. Qualified security professionals are in dire need, even in a troubled economy, as businesses prioritize their budget spending to invest in a secure business environment. This certificate assesses and demonstrates essential skills in most of the 10 information security domains: access control, application security, business continuity and disaster recovery planning, cryptography, information security and risk management, legal, regulations, compliance and investigations, operations security, physical (environmental) security, security architecture and design, and telecommunications and network security based on the principles of proven and universally accepted information security models. Upon completion of this certificate program, the student will be prepared for the Security+ Certification testing.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Information Systems Security Essentials. This certificate prepares an IT professional to seek entry-level career positions in administration, development, and integration, such as: information security analyst, information security technician, and computer security administrator. Program graduates will know how to design secure networks, develop security procedures, administer security policies, apply cryptography, and create IT security plans.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ISSC361 - Information Assurance• ISSC362 - IT Security: Attack & Defense• ISSC363 - IT Security: Risk Management• ISSC421 - Computer and Network Security• ISSC422 - Information Security• ISSC461 - IT Security: Countermeasures

Total = 18 semester hours

Undergraduate Certificate - Instructional Design and Delivery

Certificate Objectives:

- 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)
<ul style="list-style-type: none">• COMM285 - Interpersonal Communications• EDUC320 - Classroom Management• EDUC340 - Adult Learning Theory• EDUC401 - Curriculum Design• EDUC402 - Measurement and Evaluation• PSYC303 - Learning and Cognition

Total = 18 semester hours

Undergraduate Certificate - Intelligence Analysis

Certificate Objectives:

Upon completion of this program, 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)

- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL401 - Critical Analysis](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL434 - Threat Analysis](#)

And select 2 courses from the following:

- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL454 - Forecasting Terrorism](#)

Total = 18 semester hours

Undergraduate Certificate - Internet Webmaster

This certificate is a study of Web site design, internet concepts, networking, Web development fundamentals, Dreamweaver, and Adobe Flash. The courses in this certificate program are aligned with the Certified Internet Webmaster (CIW) Associate, CIW Associate Design Specialist, CIW Professional industry standard certifications. It focuses on Web page layout, navigation, typography, Web graphics, color, color theory, web safe colors, HTML, XML, XHTML, structural elements (tables and framesets), cascading style sheets, and metadata. It also concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, 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 management. Also, students will be exposed to Cascading Style Sheets (CSS), graphics (enhance, optimize, embed, and edit image properties), tables, templates, frames, forms, and snippets. Prior experience with scripting languages such as JavaScript is strongly recommended.

Certificate Objectives:

Upon completion of this program, 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)
<ul style="list-style-type: none">• ISSC341 - Introduction to Networking• WEBD121 - Web Development Fundamentals• WEBD122 - Introduction to Web Analytics• WEBD221 - Intermediate Web Development [Prerequisite: WEBD121 - Web Development Fundamentals]• WEBD222 - Advanced Web Analytics [Prerequisite: WEBD122 - Introduction to Web Analytics]• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Course Descriptions

Business

ANLY460 Applied Analytics I (3 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 (2 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 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 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.

BUSN100 Basics of Business (3 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 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.

BUSN250 Analytics I (3 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 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 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 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 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 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 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 the challenges that entrepreneurs must deal with, and making good and even some not-so-good decisions. This study relates the excitement of the entrepreneurial adventure.

BUSN318 Small Business Management (3 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 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 hours)

This course focuses on business user requirement gathering and provides a variety of techniques to prepare and conduct related activities. Students gain insight into determining functional business requirements and determining user work flows in a business.

BUSN331 Fundamentals of Business Analysis II (3 hours)

This course provides a comprehensive review of different types of business requirements, tools and techniques, and documentation suites. Students apply techniques such as Unified Modeling Language' context and use case, data models, state, activity, sequence, and use cases.

BUSN332 Business Use Cases (3 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 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.

BUSN350 Analytics II (3 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 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 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 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 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 Applied Analytics (3 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 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 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.

ECON101 Microeconomics (3 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 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 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 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 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 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 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 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.

ENTR150 Idea Generation (3 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 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. Students taking this course work to plan a training process for a new employee within the business.

ENTR210 Entrepreneurs as Leaders (3 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 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 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 hours)

This course examines the foundations of entrepreneurship through historical, philosophical, economic, and sociological lenses. By examining how different opportunities result in different organizational structures and by understanding the unique requirements of those structures as they serve a variety of ideas, this course examines entrepreneurship and the creation of new ventures through multiple perspectives (creation and discovery opportunities). Students learn the basic theories used to explain and understand entrepreneurial activity, which prepare them to work as a team to plan a new business opportunity and present it to seasoned entrepreneurs for feedback.

ENTR310 The Family Owned Business (3 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 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, strategy, format, and other issues essential to the delivery of a business plan from an entrepreneurial idea, concept, or vision. 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 hours)

Social Entrepreneurship is a course designed to give a broad understanding of how entrepreneurs can form enterprises that address societal challenges. Students learn theories, tools, and practices used to identify opportunities, innovate solutions, and gather resources to build sustainable social business models. The course focuses on creating solutions that address the root of social issues, with the goal of alleviating the problems rather than providing short term relief, therefore creating more consumers and citizens who are self-sufficient and not dependent. Also examined is how one social enterprise can have a compounding impact by providing business models for others to replicate and also by generating profits that can be reinvested in solving other social challenges. Social innovation is discussed as a form of intrapreneurship, as well as an additional element that can be integrated into the traditional corporate structure. When social innovation becomes the norm for all businesses, rather than for the exceptional few, the benefits are far-reaching, long lasting, and exponentially greater for society as a whole.

ENTR313 Non-Profit Entrepreneurship (3 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 hours)

The course examines 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.

ENTR320 Practical Law for the Entrepreneur (3 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, government regulation, and contract law. (Prerequisite: ENTR311)

ENTR340 Small Business Customer Service (3 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 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 flows statement, forecasting, pro forma statements, profit and profitability, break-even, budgeting, and working capital. Prerequisite: ACCT105 AND ENTR315)

ENTR415 Marketing the Successful Small Business (3 hours)

This course covers the intricate details of marketing a small business, from developing a marketing strategy to planning. 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. Conduct market research for your business venture. NOTE: THIS COURSE WILL REQUIRE USE OF ADOBE CREATIVE CLOUD ON YOUR COMPUTER OR OTHER DEVICE. (Prerequisite: ENTR311)

ENTR416 Innovative Marketing (3 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 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 your 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. NOTE: THIS COURSE WILL REQUIRE USE OF ADOBE CREATIVE CLOUD ON YOUR COMPUTER OR OTHER DEVICE.

ENTR421 The Value of Networking (3 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 hours)

This is a critical operations course to learn how to use Excel (or equivalent spreadsheet software) to formulate crucial numbers without having to invest in costly software. Students learn how to use Microsoft Excel to create business models that enable them to manage planning, budgeting, cash conversion, cash considerations, analyze costs, analyze financial and operating ratios, and plan for internal controls. *This course uses spreadsheet software. NOTE: This course uses spreadsheet software. (Prerequisite: ENTR311)

ENTR426 Strategic Growth (3 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, talent management, 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 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 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 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. Students discuss real world scenarios in an effort to circumvent possible issues to success prior to those becoming issues. The course includes presenting a pitch for the student's venture. Prerequisite: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Child and Family Development

CHFD101 Professional Careers and Education in Child Family Development (3 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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.

HDFS401 Child Life Theory and Practice (3 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 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: HDFS401)

HDFS403 Death, Dying, and Grief (3 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

Undergraduate Course Descriptions

Communications

COMM200 Public Speaking (3 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 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 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 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 in a small group setting.

COMM240 Intercultural Communication (3 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 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.

COMM280 Ethics in Communication (3 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 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.

COMM350 Journalism (3 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).

Undergraduate Course Descriptions

Criminal Justice

CMRJ100 Introduction to Law Enforcement (3 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 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 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 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 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 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 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 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.

CMRJ300 Research Methods of Criminal Justice & Security (3 hours)

This is an introductory criminal justice research methods course that will provide students with an understanding of the research process, allowing students to develop the skills, knowledge and strategies needed to read, interpret, and evaluate published research. The course will explore quantitative, qualitative, and combined research approaches. Students will prepare work

requiring critical analysis of recent published research in the criminal justice field. Students will examine the importance of theory as it relates to criminal justice research and differentiate between major research approaches, designs, and data collection techniques in recently published research in the criminal justice field. Students shall be introduced to social science academic writing and documentation styles.

CMRJ302 U.S. Law Enforcement (3 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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.

CMRJ490 Independent Study: Criminal Justice (3 hours)

An opportunity for Criminal Justice students to pursue an independent research project or examine a specific area of Criminal Justice 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.

CMRJ498 Forensic Law Enforcement Capstone (4 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 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 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: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Education

EDUC111 Observation Techniques (3 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.

EDUC320 Classroom Management (3 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 hours)

This course provides students with a foundation and perspective on the nature of adult learning, particularly adult learning across the human life cycle. Students will examine the ideas of learning theorists and practitioners from the fields of education and address the relationship between theories of adult learning and teaching methods in applied settings. Students also address learning methods used by adults in everyday life and the incorporation of such natural methods into a concept of “lifelong learning” for adults.

EDUC401 Curriculum Design (3 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 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.

Undergraduate Course Descriptions

Emergency Management

EDMG101 Introduction to Emergency Management (3 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 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 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 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 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 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 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 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 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 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 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 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.

EXOD299 Sophomore Seminar in Explosive Ordnance Disposal (3 hours)

This course is a culminating course for the Associate of Science in Explosive Ordnance Disposal degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Explosive Ordnance Disposal.

The student will complete an approved academic project or paper that demonstrates his or her grasp of the explosive ordnance disposal field. This is a culminating course to be taken after all other Associate of Science in Explosive Ordnance Disposal 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 Explosive Ordnance Disposal Program.

FSMT102 Fire Behavior and Combustion (3 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 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 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 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.

FSMT287 Fire Protection in Building Construction (3 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.

FSMT289 Fire Protection Hydraulics and Water Supply (3 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 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 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 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 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 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 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 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 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 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 hours)

THIS COURSE WILL REQUIRE A PROCTORED EXAM. 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. Prerequisite: Completion of a minimum of 106 hours towards your program.

HLSS211 Emergency Response to Terrorism (3 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.

Undergraduate Course Descriptions

Engineering

ELEN100 Introduction to Electrical Engineering (3 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 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 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 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 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 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 hours)

This course 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 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 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. 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: MATH240

ELEN416 Control Systems Theory and Design (3 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 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: ELEN325 AND MATH302 OR MATH328)

ELEN421 RF/Microwave Engineering I (3 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 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 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 be 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 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 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 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)

ELEN435 Introduction to Power Electronics (4 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 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 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 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 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

ENGR200 Introduction to Engineering and Computing (3 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. 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.

ENGR300 Fundamentals of Mechanical Engineering (3 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. 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

Undergraduate Course Descriptions

English

ENGL100 The Processes & Principles of Composition (3 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 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 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).

ENGL120 Creative Writing (3 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).

ENGL200 Composition and Literature (3 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).

ENGL220 Technical Writing (3 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).

ENGL221 Scientific Writing (3 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)

ENGL225 Business Writing (3 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).

ENGL230 Introduction to Linguistics (3 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)

ENGL320 Freelance Writing (3 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).

ENGL321 Screenwriting (3 hours)

This course is an introduction to screenwriting. Students will complete a fully developed screenplay by the end of the course. From logline to story arc to beat to la fin, students will advance their art of storytelling, practice weaving intricate, spellbinding plots, and evolve a personal genre style and concept for film projects. (Prerequisite: ENGL120)

ENGL322 The Personal Essay (3 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 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).

ENGL420 Advanced Creative Writing (3 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).

ENGL421 The Novella (3 hours)

This course teaches students the strategies necessary to write their own original novella. The class emphasizes the importance of the elements of narration, description, and dialogue, along with invention, drafting, and revision, to this process. Drafts are workshopped among peers throughout the term to promote the exchange of constructive critical thinking. (Prerequisite: ENGL120)

ENGL498 Senior Seminar in English (3 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.

Undergraduate Course Descriptions

Environmental Science

EVSP110 Introduction to Hazardous Waste Management (3 hours)

This course is an introduction to hazardous waste management. Its course topics include history of hazardous waste management in the United States; an overview of the hazardous waste industry in the United States; the major political, legal, managerial, and handling issues associated with hazardous waste; and the dangers and repercussions on individuals and society for poorly handled hazardous waste.

EVSP111 Hazardous Waste and Public Law (3 hours)

This course addresses the public laws and regulations associated with hazardous waste management. Course topics include major environmental laws that focus on hazardous waste, environmental auditing, and, industrial wastewater regulations, among others.

EVSP201 Environmental Economics (3 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.

EVSP210 Hazardous Waste Treatment and Disposal (3 hours)

This course is a study of waste accumulation, storage and disposal options, pollution prevention, remediation and cleanup, underground storage tank management, and chemical life-cycle tracking. Some basic chemistry is covered as well as physical chemical treatment for neutralization, oxidation-reduction, metals removal, and hazardous materials destruction. Filtration, ion exchange, and reverse osmosis are discussed. Chemical feed systems, sludge handling, and dewatering are also presented.

EVSP220 Emergency Spill Response (3 hours)

This course is a study of the planning, preparation, response, and recovery from a hazardous materials spill in industrial or transportation settings. Course topics will include processes associated with materials identification, on-site responsibilities, reporting requirements, and safe return to normalcy.

EVSP310 Water Science (3 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 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 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 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.

EVSP317 Environmental Enforcement (3 hours)

Nearly all environmental programs are predicated on getting permittees to take effective action to end non-compliance or non-permitted activities. This often happens voluntarily, but in some instances formal enforcement action must be taken by environmental agencies such as EPA or state agencies. This action may be civil or criminal, it may involve a fine, it may involve supplemental environmental projects, but it will always require the environmental problem be put right. This course will examine the entire enforcement process including the decision tree and options at each branch point. It will discuss the issues of standing, punishment versus deterrence, legal searches, and the rights of permittees and individuals.

EVSP320 Energy and Resource Sustainability (3 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 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 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 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 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 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 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, the role of 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. (Prerequisites: MATH302)

EVSP411 Environmental Policy, Regulation, and Law (3 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 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 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 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 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 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 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 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 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 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 hours)

Analyses of specific issues will be conducted that will include a review of federal environmental organizations, regulations, and their integration with policy making and decision-making. Students will review and analyze the environmental problem solving process with consideration for the economic, social, 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. This is a capstone course to be taken after all other Environmental Studies courses have been satisfactorily completed.

EVSP499 Senior Seminar in Environmental Studies (3 hours)

Analyses of specific issues will be conducted that will include a review of federal environmental organizations, regulations, and their integration with policymaking and decision-making. Students will review and analyze the environmental problem solving process with consideration for the economic, social, 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. This is a capstone course to be taken after all other Environmental Studies courses have been satisfactorily completed or concurrently with courses as the student completes the last courses in EVSP. Prerequisite: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Finance and Accounting

ACCT100 Accounting I (3 hours)

Introduction to the purposes of financial accounting statements and the recognition, measurement, and disclosure concepts and methods underlying financial statements. Focus is on using and interpreting financial statements and on understanding the impact of transactions and events on financial statements and financial ratios. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT101 Accounting II (3 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 hours)

This course is an overview of accounting concepts used by managers in a business environment intended for non-accounting majors with no accounting background. Topics include accounting concepts, users of accounting information, elements and purpose of financial statements, accrual accounting, internal control and basic financial analysis. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT202 Introduction to Payroll (3 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 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.

ACCT301 Intermediate Accounting I (3 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 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 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 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 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: ACCT303)

ACCT401 Cost Accounting (3 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

ACCT406 Managerial/Cost Accounting (3 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: ACCT301)

ACCT410 Governmental and Not-for-Profit Accounting (3 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 ACCT301)

ACCT415 Law for Accountants (3 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.

ACCT420 Individual Federal Taxes (3 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: ACCT100)

ACCT499 Senior Seminar in Accounting (3 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 Accounting. The students will examine a number of real-world cases that relate to auditing and accounting issues, and students will prepare 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. 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.

FINC300 Foundations of Financial Management (3 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 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 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 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.

Undergraduate Course Descriptions

Fire Science Management

FSMT281 Principles of Fire and Emergency Services Safety and Survival (3 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.

FSMT288 Community Risk Reduction for the Fire and Emergency Services (3 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.

Undergraduate Course Descriptions

Foreign Languages

ARAB100 Arabic I (3 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 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)

CHIN100 Chinese I (Mandarin) (3 hours)

This course will introduce the student to the fundamentals of the Chinese 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 Chinese 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.

DARI 100 Basic Dari I (3 hours)

This course will introduce the student to the fundamentals of Dari, Afghan Farsi, using an online immersion technique. 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 Dari speaking nations. 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.

FREN100 French I (3 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 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.

GERM100 German I (3 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 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.

JAPN100 Introduction to Japanese (3 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.

PORT100 Introduction to Brazilian Portuguese (3 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.

RUSS100 Russian I (3 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.

SPAN100 Spanish I (3 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 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.

SPAN201 Intermediate Spanish Literacy: La Novela (3 hours)

This course is an extensive experience in reading a novel in Spanish with the intent to grasp the meaning and the ideas in the foreign language without depending on or carrying out word for word translation.

Undergraduate Course Descriptions

Foundations

COLL099 Classroom Success (0 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.

COLL100 Foundations of Online Learning (3 hours)

This course is designed to provide a solid foundation for undergraduate study in the online environment. In addition to learning how to navigate the ecampus and classroom, students will be introduced to online library research, digital hygiene, and multimedia presentation strategies. There is an emphasis on communication to assist students in the transition to the online environment.

COLL102 Learning Strategies (3 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 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 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 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)

Undergraduate Course Descriptions

Health Information Management

HIMA301 Principles of Health Information Management (3 hours)

This courses addresses the theoretical and practical applications of health information management. Students will learn about the challenges facing the historical and current health care delivery systems, and the role of health information management within various health care settings. The course provides the student with an overview of health records in terms of filing systems, electronic records, and documentation issues, along with indexes, registers, and health data collection. In addition, students will examine the legal and regulatory aspects of health information management, as well as nomenclatures and classification systems used for coding and reimbursement.

HIMA400 Medical Terminology for Health Information Management (3 hours)

This course provides students with a foundation of medical terminology and pharmacology vocabularies used in classification systems in health information management (HIM). 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.

HIMA415 Diagnosis and Coding with Lab (4 hours)

This course provides an overview of the ICD-10-CM (diagnostic), ICD-10-PCS (procedural), Current Procedural Terminology (CPT), and Healthcare Common Procedure Coding System (HCPCS) manuals. Students will gain a foundational understanding of the use of coding manuals, comprehend the coding guidelines, and apply the ICD-10 coding steps. The history, organization and structure of ICD-10-CM will also be examined. PREREQUISITE(S): HIMA400, BIOL251

HIMA420 Principles of Health Care Reimbursement Methodologies (3 hours)

This course covers all U.S. health care payment systems and their functions. The content provides students with a foundation of the basics of health insurance and public funding programs, managed care contracting, and payment for services. 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.

HIMA450 Legal and Ethical Aspects of Health Information Management (3 hours)

This course focuses on the legal system and procedures, ethics, control and use of 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.

HIMA497 Health Information Management Practicum (3 hours)

This guided health information management (HIM) practicum takes place in a simulated lab environment. 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. Students are encouraged to consult with their academic advisor with any questions, prior to registration. PREREQUISITE: Students may take the practicum after all other CORE courses are completed.

HIMA499 Senior Seminar in Health Information Management (3 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.

Undergraduate Course Descriptions

History

HIST101 American History to 1877 (3 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 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 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 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 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 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 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.

HIST214 History of Latinos in the United States (3 hours)

Latinos are the fastest growing minority in the United States and have played key roles in U.S. history. This course surveys the history of the Latino experience in the United States from a political, economic and cultural standpoint. Discover the difference between a "Hispanic" and a "Latino." Understand the intricacies of controversial issues such as immigration, and learn how this group has been influential in the past and is becoming increasingly important in the U.S.

HIST221 African-American History before 1877 (3 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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).

HIST330 History of the Pacific Rim (3 hours)

This course is a study of the history of the modernization of the Pacific Basin in the 20th Century. It covers all the Asian nations except those of the Indian subcontinent. The course will cover such areas as the technological and economic development of the Pacific Basin, the trauma associated with the changes to the old order, social and economic upheaval, industrialization, and urbanization. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST340 History of Africa (3 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 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 of 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).

HIST351 History of Iraq (3 hours)

This course examines the complex and diverse history of Iraq from its ancient roots to the present. Students analyze the evolution of the modern Iraqi state, its roots in Islamic law, the effects of imperialism, monarchy, and the emergence of the militant dictatorship. In addition, students examine social, cultural, and economic traditions that have contributed to the development of Iraqi policy. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST360 History of Latin America (3 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 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 hours)

This course explores North American history from the dawn of the British colonization of North America to the 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 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 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 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 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 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 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 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 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 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. TOPIC FOR MARCH 2016: Vikings. This course will look at the social, political, economic, religious, and military aspects of early Scandinavian civilization. Throughout the eight weeks this course will explore how the Vikings influenced the areas of Europe they encountered and settled into, and their contributions to the development of European culture. TOPIC FOR JULY 2016: Scotland. This course will look at the development of Scotland from its earliest roots to the Jacobite Rebellion of 1745. Special attention will be paid to the political, social, and military development of this Northern kingdom. TOPIC FOR SEPTEMBER 2016: Women in the Classical World. This course will look at the lives and contributions of women in the Ancient and Classical World. This course will look at the lives and contributions of women in ancient and classical societies such as Mesopotamia, Egypt, Greece and Rome. TOPIC FOR DECEMBER 2016: Women in the Middle Ages and Renaissance. This course will look at the lives and contributions of women in the Middle Ages and Renaissance in Europe.

HIST490 Independent Study: History (3 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 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.

HIST498 Senior Seminar in History (3 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)

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 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 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 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).

MILH365 The Napoleonic Wars and the Long Peace (3 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 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 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).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). 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.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations 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. (Prerequisite - HIST300/HS334 for History and Military History majors only). 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.

Undergraduate Course Descriptions

Homeland Security

HLSS150 Introduction to Homeland Security (3 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 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.

HLSS212 Chemical, Biological, and Radiological Hazards (3 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 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 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 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 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 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.

HLSS234 Organization for Explosive Ordnance Disposal (3 hours)

This course provides an overview of the many different federal, military, state, local, and specialized explosive ordnance disposal organizations, units, and teams; their associated authority in public law; their different jurisdictional boundaries; and their different doctrinal and organizational approaches to similar and different issues in the field.

HLSS300 Research Methods in Homeland Security Studies (3 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 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 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 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 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 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 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 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 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 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 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 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.

Undergraduate Course Descriptions

Hospitality Management

HOSP100 Introduction to Hospitality Management (3 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 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.

HOSP200 Food and Beverage Management (3 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 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 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 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 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 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 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.

HOSP212 Fundamentals of Tourism Management (3 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 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.

HOSP295 Restaurant Operations Seminar (3 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 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.

HOSP301 Culture and Cuisine (3 hours)

Major historical and geographical concepts that affect cuisine creations in regions of the world are explored.

HOSP302 Hospitality Law (3 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 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 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 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 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 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 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 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 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 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).

HOSP315 Dining: A Consumer Perspective (3 hours)

Focus is on the dining experience from a consumer perspective, includes research, opinion, expectations and standards associated with a consumer's stated and unstated beliefs of the dining experience. (Prerequisite: HOSP200)

HOSP316 History and Culture of Wine (3 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.

HOSP318 Culinary Theory and Practice (3 hours)

Introduces the student to food and beverage operations through three major components; food composition, food products and food properties. Students will be engaged in research and projects associated with fundamental food composition, preparation and food safety.

HOSP319 Foodservice Facilities Design (3 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 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 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 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 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 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 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 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 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 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.

HOSP360 Casino Operations Management (3 hours)

Rooms' division employees connect to the food service staff in casinos by having employees who encourage guests to use the dining and gaming facilities. Focus is on strategies that help increase the bottom line for all areas of the casino operation.

HOSP400 Quality Service Management (3 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 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 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 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 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 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 50-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.

Undergraduate Course Descriptions

Humanities

ARTH200 Art Appreciation (3 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.

ARTH210 American Art (3 hours)

This course provides a survey of the visual arts in America. Students will learn how to look at, write about, and interpret major works of art that represent the best of the American achievement from the beginning to the present day. Topics will include the political, social, religious, cultural, and aesthetic functions of painting, sculpture, filmmaking, photography and other media. No prior art classes or experiences are required.

ARTH220 World Architecture (3 hours)

This course will introduce the history of the built environment, from the Prehistoric Era to the contemporary world of globalization. This survey includes environmental, religious, and political/ideological impulses which form the history of architecture. While examining the major movements within their appropriate socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations.

ARTH221 American Architecture (3 hours)

This course provides a chronological survey of American architectural history from the earliest settlements through modern times. This survey includes environmental, religious, and political/ideological impulses which form the history of American architecture. While examining the major movements within their socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations. No prior art classes or experiences are required.

ARTH230 Ancient and Medieval Art (3 hours)

This course will survey the arts of Egypt, the Near East, Classical Greece and Rome, and Medieval Europe, from about 2500 BC to about 1400 AD. Topics for consideration include the great variety and richness of artistic expression of these different cultures, and some of the general problems of how art historians understand and write about art. There will be a thorough examination of the social context of art: its historical circumstances, context, patronage, the influence of the individual artist, and the role of those who have been the patrons and viewers of art. There will be an examination of what constitutes understanding and explanation in art history, as the individual approaches a work of art and attempts to grasp its various meanings. Works of sculpture, architecture, wall and vase painting, mosaic, manuscript illumination, and other media will be examined, in an attempt to understand the works in their physical, historical and social context.

ARTH231 Renaissance to Modern Art (3 hours)

This course is a survey of art, architecture, sculpture, and other art objects from the Renaissance to the Modern era. Students will also be introduced to a format for describing, formally analyzing, and interpreting works of art. Methods for art historical research will be included in the course.

ARTH241 Film and Literature (3 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.

MUSI200 Music Appreciation (3 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.

Undergraduate Course Descriptions

Information Technology

DSIN141 Image Enhancement using Adobe Photoshop (3 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 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 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 manage 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.

DSIN242 Motion Graphics Using Adobe Flash (3 hours)

This course examines the process of designing, developing, and deploying text and graphics in motion in order to create a dynamic and interactive experience for the web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, animated shows, and ActionScript. They will add audio and video to enhance the quality of the visual experience. Adobe Fireworks will also be introduced. Students must have access to Microsoft Internet Explorer 7.0 (or higher), Adobe Fireworks CS5 (or higher), Firefox 2.0 (or higher), and Adobe Flash Professional CS5 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers lessons 24–29 of the Web Design curriculum of the CIW Web Design Specialist certification.

ENTD200 Fundamentals of Programming (3 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 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.

ENTD261 Scripting Languages for the Administrator (3 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, Perl and BASH. Previous programming experience is recommended. You must have access to a Windows-based system to successfully complete the assignments in this course.

ENTD311 Analysis and Design of Information Systems (3 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 hours)

This course is an introductory study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding software such as iOS, Palm webOS, Symbian OS, and Windows Mobile, which use customized application software on various mobile devices. 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.

ENTD321 Object Oriented Programming and UML (3 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 OR ENTD211)

ENTD322 Application Development for the Droid (3 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 based exercises 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 OR ENTD211)

ENTD333 Application Development for the iPhone and iPad (3 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 ENTD211 or ENGR200 (for Engineering majors))

ENTD361 Enterprise Development Using VB.NET: Introduction (3 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 OR ENTD211)

ENTD380 Introduction to Object Oriented Programming with Java (3 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 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: ENTD200 or ENTD211 or ENGR200)

ENTD411 Application Development (3 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 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 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 based exercises 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.

ENTD461 Enterprise Development Using VB.NET: Advanced (3 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 ENTD211)

ENTD462 Enterprise Development Using ASP.NET (3 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 (HtmlForm class, 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), data providers (managed providers, SqlConnection class, and SqlCommand class), data containers (SQIDataAdapter, DataSet, DataTable, and DataView objects), data source based data binding, and managing the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, explore caching, and examine ASP.NET's security architecture ("session hijacking," Forms authentication, membership and role management, and security related controls). Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition software (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD463 Enterprise Development Using C# (3 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 OR ENTD211 and ENTD361)

ENTD464 Enterprise Development using .NET: Project (3 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 OR ENTD211)

ENTD465 Application Development for Windows Mobile Operating Systems (3 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. (Prerequisite: ENTD200 OR ENTD211)

ENTD481 Enterprise Development using J2EE (3 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)

INFO111 Enterprise Data Presentation with Crystal Reports (3 hours)

This course is a study of the principles of data presentation and the use of Crystal Reports to visualize data. Students will explore the facilities of Crystal Reports (Design Window, Toolbars, Field Explorer, Database Expert, Record Sort Expert, Group Expert, Formula Workshop, Formula Editor, Select Expert, Section Expert, Business Views, and Repository). They will export and import data to MS Office Applications such as Word and Excel. They will parameterize reports, conditionally format reports, customize the appearance of reports, build custom functions, create business views, specify data security, and control user access. Students must have access to Crystal Reports 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: INFO161 or INFO171 or INFO221)

INFO161 Relational Databases with MS Access: Introduction (3 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 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 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 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 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 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 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 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.

INFO361 Relational Databases with MS SQL Server (3 hours)

This course is a study of the principles of relational databases, the ANSI standard Structured Query Language (SQL), and the Microsoft Transact-SQL in the context of Microsoft SQL Server. Students will create, alter, and drop tables; create, alter, and drop constraints; create, alter, and drop views; and create, tune, and drop indexes. They will also build transactions, triggers, Transact-SQL queries, and stored-procedures. They will review triggers to implement data integrity and business rules. They will use DTS packages and transformations, the Enterprise Manager, Query Analyzer, and Database Configuration interfaces. They will also create and manage databases, database devices, backups, and restores; import/export data; and schedule automated tasks. Students must have access to Microsoft SQL Server 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: INFO161 or INFO221 or INFO321)

INFO371 Relational Databases With Oracle: PL/SQL (3 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 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 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 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)

ISSC321 Computer Systems Organization: Intermediate (3 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 hours)

The course is an advanced study of computer systems and subsystems, 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 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 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 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 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 to include: 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.

ISSC340 Local Area Network Technologies (3 hours)

This course introduces the student to local area networking concepts in an easy to understand way. In today's competitive business world, one needs to have a basic understanding of the networking technology that runs it. Whether they choose to delve full bore into the technical side of networking or use what they learn to make an informed decision regarding the design, implementation, and maintenance of their local area network, this course will give the student a good foundation to build upon. 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.

ISSC341 Introduction to Networking (3 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 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 system, access control, UID, GID, root password, console password, password shadowing, UNIX kernel, IP services, Inetd, TCP wrapper, variants (AIX, IRIX, Solaris, Linux), "r" services, finger services, Telnet, FTP, Gopher, HTTP, and SSL). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC343 Wireless Networks (3 hours)

This course offers a framework for learning the latest developments 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 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 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 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 hours)

This course is a study of the discipline of Information Assurance that 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 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. An understanding into the mind and psyche of the hacker is essential to anticipating the moves of the hacker and to design effective countermeasures. 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. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC363 IT Security: Risk Management (3 hours)

This course explores Networking Security from the perspective of risk 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 student will 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 hours)

This course examines a broad range of network security issues. It explores 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 hours)

Cryptography provides a critical foundation upon which much of computer security is based. Cryptography is necessary to provide both integrity and confidentiality of the data that is exchanged in a computer network. There are many methods of encryption, and each has its strengths and weaknesses in terms of performance, security, and requirements for management of secret information used to hide or disclose information. This course will provide an intensive overview of the field of cryptography, providing a historical perspective on early systems, building to the number theoretic foundations of modern day cryptosystems. Students will learn 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.

ISSC368 IT Security: Physical and Peripheral Defense (3 hours)

The course covers physical security requirements in a network enterprise 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 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 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 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 associated threat 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 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 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 hours)

This course will discuss 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). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC422 Information Security (3 hours)

This course allows students to examine a broad range of computer security 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 maturing criminal 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 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 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 security and privacy for both businesses and cloud based service providers. (Prerequisite: ISSC326)

ISSC431 Database Systems Security (3 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.

ISSC441 Network Telecommunication Concepts (3 hours)

This course provides a solid background of fundamentals to tomorrow's information systems professionals. Data communications keeps a balance between the super-technical and the watered-down subject, providing a solid understanding not only of how things work, but how they can be applied to create business solutions. This course also covers technologies such as Bluetooth, highly elliptical orbiting satellites, V.92, code division multiplexing, and wireless technologies.

ISSC442 Wireless and Mobile Network Security (3 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 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 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 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 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 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 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 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 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 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 hours)

This course examines the principles of security planning and policy. 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 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 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 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.

ISSC499 Senior Seminar in Cybersecurity (3 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. Prerequisite: Completion of a minimum of

ITCC111 Basic Productivity Applications (3 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 2013 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. This course uses the Discover Office 2013 Comprehensive Online courseware that does not require installations on individual computers. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. The course content maps to the Microsoft Office Specialist (MOS): Microsoft Office Word 2013 Certification.

ITCC112 Advanced Productivity Applications (3 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 2013 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. This course uses the Discover Office 2013 Comprehensive Online courseware that does not require installations on individual computers. 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 2013 Certification.

ITCC113 Office Presentation Applications (3 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 2013 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. This course uses the Discover Office 2013 Comprehensive Online courseware that does not require installations on individual computers. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. The course content maps to the Microsoft Office Specialist (MOS): Microsoft Office Powerpoint 2013 Certification.

ITCC114 Office Communications Applications (3 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 2013 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. This course uses the Discover Office 2013 Comprehensive Online courseware that does not require installations on individual computers. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. The course content maps to the Microsoft Office Specialist (MOS): Microsoft Office Outlook 2013 Certification.

ITCC121 Introduction to Computer Science (3 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 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 2010 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 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.

ITCC231 Introduction to Information Technology Writing (3 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.

ITMG321 Information Technology Project Management (3 hours)

This course is a study of the planning and processes involved in an information system project. 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 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 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 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.

ITMG421 Virtual Management (3 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.

ITMG471 Information Systems: Policy and Planning (3 hours)

The course focuses on the use of information technology in the design and management of modern organizations including governments and not-for-profits. Information is now recognized as an essential resource in its own right. Technical, organizational, and social aspects of the management of this resource will be covered.

ITMG481 Ethics in Information Technology (3 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 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.

WEBD121 Web Development Fundamentals (3 hours)

This course introduces students to Web site development through a combination of readings and hands-on development exercises. This course covers the Site Development Associate curriculum of the CIW Web Foundations Associate certification. It also covers the Web Design curriculum of the CIW Web Design Specialist certification. It emphasizes 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, Extending HTML, GUI HTML Editors and Mobile Web Sites, Web Site Development for Business, JavaScript and DHTML Fundamentals, Plug-Ins and Java Applets, HTTP Servers and Web Applications, Databases, 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 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 both conceptual 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 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 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 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. The course may extend your understanding of key Web analytics concepts, principles and techniques by requiring you to use Adobe Creative Cloud. Access to this software is free. Be prepared to improve the quality of your project and assignment with the use of software such as Photoshop, Illustrator, and other mobile apps using Adobe Creative Cloud. NOTE: THIS COURSE MAY REQUIRE USE OF ADOBE CREATIVE CLOUD ON YOUR COMPUTER OR OTHER DEVICE. (Prerequisite: WEBD122)

WEBD241 Web Development Using JavaScript (3 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)

WEBD311 Internet Concepts (3 hours)

This course concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, 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 management. This course also explores emergent Web 2.0 technologies such as social networking (MySpace), user created content (YouTube), Wikis, Virtual Worlds (Second Life), and online gaming. Students will need access to Microsoft Internet Explorer 7.0 (or higher) 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 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 to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD322 Web Videography (3 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 videography for promoting e-commerce and addressing other 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 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, and understanding 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.

WEBD324 Web Content Management Systems (3 hours)

This course is a study of Web content management systems and how users may manage the content of their websites anywhere by using features such as easily creating new Web pages, building in-site search engines, uploading files and images, creating photo galleries and videos, and adding, deleting and editing users with a variety of permissions. 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 to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD341 Enterprise Data Exchange Using XML (3 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.

Undergraduate Course Descriptions

Intelligence Studies

INTL150 Intelligence Analysis and Security Management (3 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 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.

INTL300 Research Methods in Intelligence Studies (3 hours)

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.

INTL301 U.S. Intelligence Community (3 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.

INTL303 Introduction to Intelligence (3 hours)

This course is an introduction to analysis and addresses the five principle categories of study in strategic intelligence: (1) The role, purpose, and history of strategic intelligence analysis; (2) the use of intelligence to carry-out foreign policy objectives; (3) The nature and evolution of congressional oversight; (4) the role of strategic intelligence collection to support strategic decision making; and (5) the role of counterintelligence at the highest levels of government.

INTL304 Intelligence Collection (3 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 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 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: INTL300).

INTL402 Intelligence Analysis (3 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: INTL300).

INTL408 Counterintelligence Operations (3 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 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 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 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 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 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.

INTL414 Intelligence and Assassination (3 hours)

INTL 414 Intelligence and Assassination is a study of both the historical and contemporary use of assassination, with emphasis on assassination or targeted killing as a means to counter terrorism. In the historical portion, the course focuses on assassination as a means for gaining and maintaining power. In the latter portion, the course focuses on assassination as a means of overthrowing governments and to counter terrorism. In this latter portion the course evaluates the use of intelligence and special operations forces and the role they play in the state's practice of assassination.

INTL415 Covert Action (3 hours)

This course provides a historical account of the use of covert action in both peace and war. Covert actions are those in which an operation may become known to the enemy or the world, but the responsible parties cannot be traced or proven. Current U.S.

intelligence community and Special Forces capabilities and limitations for covert action are also covered.

INTL419 Applied Geospatial Intelligence (3 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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

INTL461 Iraq Country Analysis (3 hours)

Explores the development of the future Iraqi state. Students first study Iraqi history through the 2003 fall of Saddam Hussein. The role of ethnic and religious rivalries is covered in-depth. Post-2003 stability and development activities are also investigated.

INTL490 Independent Study: Intelligence (3 hours)

An opportunity for Intelligence students to pursue an independent research project or examine a specific area of Intelligence and its history 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. Students will produce a major research paper (30+ pages). 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.

INTL498 Senior Seminar in Intelligence Studies (3 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.

SSGS300 Research Design and Methods (3 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.

Undergraduate Course Descriptions

International Relations

IRLS200 Information Literacy and Global Citizenship (3 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 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 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 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 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.

IRLS220 African Peoples and Cultures (3 hours)

A study of the peoples and cultures of the continent, stressing sub-Saharan groups. Starting with the colonial era and earlier cultures, the major focus is on the contemporary scene, including the effects of the African diaspora.

IRLS240 European Peoples and Cultures (3 hours)

An exploration of the rich diversity of cultures and societies of Contemporary Europe. Critical reading of recent ethnography will be used to examine themes such as the formation of national identities, ethnicity and migration, rural life and traditionalism, family and kinship, popular religion, and urban development. The European Union is analyzed as a potential transformation of Europe into a new system of European government that could supersede the nation-state.

IRLS260 Middle Eastern Culture (3 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 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 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 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 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 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 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.

IRLS332 Asian Peoples and Cultures (3 hours)

This course will provide students with an overview of Asian cultures, by focusing on political, religious, and philosophical aspects of various Asian societies. Specifically, we will analyze and discuss the historical and cultural dynamics of China, Japan, and Korea. Also considers the central influence of Confucianism and Buddhism, among other key philosophies, on East Asian cultural norms. The course identifies connections between the past and the present, with an eye on anticipating future trends.

IRLS343 Government and Security of Russia (3 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 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 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.

IRLS357 Latin American Peoples and Cultures (3 hours)

Latin America is comprised of dozens of countries, and despite several common languages, each country possesses its own set of unique cultural aspects. Latin America is a complex mixture of Native American, European, North American, African and even Asian influences, spanning two continents and several thousand years of collective history. This class presents an overview of the multitude of cultures present in Latin America.

IRLS360 Global Politics of Islam (3 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 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 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 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 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 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 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 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 hours)

This course is an examination of the fundamental principles behind peacekeeping, to include the political, managerial, military, and humanitarian aspects of the peacekeeping process. Completion of this course will make students eligible to obtain a certificate of completion from the Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

IRLS415 Peacekeeping Logistics (3 hours)

This course explores logistics in United Nations peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for UN 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. 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.

IRLS416 The North Atlantic Treaty Organization (NATO) (3 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 its 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 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.

IRLS430 U.S. National Security and the Pacific Basin (3 hours)

Asian security is of top concern to US geostrategic thinking. East Asia, for instance, is projected to become the center of the world's economy, technological innovation, and hegemonic power. U.S. national security policy recognizes this element of the international security environment and anticipates that American involvement in Asia will likely increase over time, making alliances and relationships in this region even more important. This course will highlight the changes in these interests and the actions that these and other states in the region take to advance their interests and, therefore, influence U.S. national security strategy and policy.

IRLS460 Government & Security in the Middle East (3 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 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.

IRLS464 Middle Eastern Political Economy (3 hours)

This course will provide students with an overview of the intersection of politics, policy, and economics in the context of the Middle East. Specifically, the course focuses on the basic concepts and characteristics necessary for understanding political economy and development issues in the Middle East. Students will study the historical political and economic trends, nationalism, identity, borders, inequality, poverty, corruption, growth trends, resource based issues, labor, migration, gender, education, and various social issues underpinning Middle East Political Economy.

IRLS468 Politics and Security in the Persian Gulf (3 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 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 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 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 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.

Undergraduate Course Descriptions

Legal Studies

LSTD100 Introduction to Law for Paralegals (3 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 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 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 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 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 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 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 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 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 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 hours)

This undergraduate course is the study of the work of administrative agencies in the executive branch of the United States government with some additional material on administrative agencies in state and local governments. Administrative law and policy touches virtually every person in the United States virtually every day of the year. It is the administrative agencies that fill in the "details" of government policy. Indeed, administrative agencies are so important and so powerful that they are frequently 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 the respective roles of the legislative, executive and judicial branches of government. The course will be mainly concerned with administrative procedure (i.e., agency rulemaking and adjudication, agency investigations, agency sanctions) but because it is almost impossible to distinguish between substance and procedure, the procedural elements of administrative law will be illustrated and discussed in the context of a specific agency action--e.g., the Environmental Protection Agency's actions on carbon emissions and global warming. The course will analyze the work of the "independent regulatory commissions" as well as those agencies that are completely under the control of the President of the United States. Both the legislative and judicial branches of our government have a large impact on administrative law, so the actions of Congress in creating and watching over the 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 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 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 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 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 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 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 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 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 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 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 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.

Undergraduate Course Descriptions

Literature

LITR201 World Literature through the Renaissance (3 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)

LITR202 World Literature since the Renaissance (3 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)

LITR204 Contemporary World Culture Through Literature (3 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)

LITR205 Cultural Diversity in Contemporary American Literature (3 hours)

LITR210 English Literature: Beowulf to 18th Century (3 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)

LITR211 English Literature: 18th Century to Present (3 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)

LITR220 American Literature before The Civil War (3 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)

LITR221 American Literature from The Civil War to Present (3 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)

LITR310 British Fiction (3 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 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)

LITR320 American Fiction (3 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)

LITR322 American Poetry I (3 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)

LITR324 African-American Literature (3 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)

LITR325 Gothic Literature (3 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

LITR328 The Legends of King Arthur (3 hours)

This course provides a survey of traditional and modern King Arthur legends focusing its attention on Arthur himself as well as other prolific characters. Emphasis will be placed on analysis of Arthur and his primary companions through discussion board interaction and critical response essays that culminate in an independent research project investigated by each student that will maintain the overall theme and direction of this course.

LITR330 Literary Theory (3 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)

LITR337 Women Writers (3 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)

LITR340 Modern Epic Fantasy (3 hours)

This course examines modern epic fantasy literature through the novel *Mists of Avalon* by Marion Zimmer Bradley. The *Mists of Avalon* is an epic fantasy tale of love, loyalty, betrayal, kingship, and magic. Taking a different view from the legend, it is told from the perspective of the women of Avalon. Since the Arthurian Legends were some of the earliest fantasy stories, a closer examination of the elements within these legends will give students a better, deeper understanding of what all is involved in creating the modern fantasy epic. (Prerequisite: ENGL101)

LITR341 Folklore (3 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)

LITR355 Latin American Literature (3 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.

LITR360 Russian Literature (3 hours)

Building on an introduction to early Russian literature, students will be able to interpret and analyze literature from the greatest Russian writers of the 19th century: Puushkin, Gogol, Dostoevsky, Chekhov, Bunin, Tolstoy and Karamzin. An emphasis is placed on the social, political, and economic forces of the times as they influenced the works of these writers. Students will trace the development of those forces to conditions in present day Russia. (Prerequisite: ENGL101)

LITR365 Middle Eastern Literature (3 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)

LITR370 African Literature (3 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)

LITR385 Asian - American Literature (3 hours)

This course is an introduction to Contemporary Asian-American Literature and will present the major themes and issues in a new and growing interdisciplinary field of scholarly research and literary texts. The primary objective of the course is to engage and introduce students to selected texts from the growing canon of works in Asian American Studies and Literature. (Prerequisite: ENGL101)

LITR402 Shakespeare: An Author for the Ages (3 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 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 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

LITR405 Medieval European Literature (3 hours)

This course will explore the vibrant literary traditions in the European Middle Ages, focusing primarily on the epic and the romance. These two genres were among the most popular during this period and the study of them will allow students to better understand the cultural imaginations alive during this time period. Particular attention will be paid to the construction of the epic and romance hero or heroine, the nature of identity, the constructions of gender and race, as well as the influence of the chivalric ethos and the concept of courtly love on medieval literature. The course will focus on Medieval England, France, and Italy; because the literatures from these three regions are decidedly broad, such a study will allow students to gauge the transmission

of cultural ideas and literary traditions during the Middle Ages. Texts included in the course are Beowulf, The Song of Roland, prose writing of Heloise and Peter Abelard, Yvain, Le Morte D'Arthur, Dante's Inferno, and Selections from Chaucer and Boccaccio. (Prerequisite: ENGL101, ENGL401 Recommended)

LITR406 The Literary Works of Geoffrey Chaucer (3 hours)

This course will cover a broad selection of Chaucer's works, including The Canterbury Tales, Troilus and Criseyde, and various Dream Visions and other shorter poems. The focus will be on both the works themselves, and the historical and literary contexts in which Chaucer was working in latter 14th-century England. (Prerequisite: ENGL101)

Undergraduate Course Descriptions

Management

ENTR200 Leadership in Small Business Ventures (3 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. Students taking this course work to plan a training process for a new employee within the business.

HRMT101 Human Relations Communication (3 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. Students taking HRMT 101 cannot take MGMT 100

HRMT200 Human Resource Fundamentals (3 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 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 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.

HRMT310 Career Counseling (3 hours)

This course will provide an overview of the major approaches to conceptualizing career development techniques. Students will have the opportunity to explore career counseling topics such as diverse populations, traditional and non-traditional career assessments techniques, the overlap between personal and career counseling, and development of career counseling groups and workshops.

HRMT407 Human Resource Management (3 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 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 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 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 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 systems security, individual privacy, legal implications and streamlined interview process.

HRMT416 Human Resource Development (3 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.

HRMT417 Health, Safety and Security in the Work Place (3 hours)

This course provides an overview of the roles and responsibilities of a Human Resource professional tasked to oversee safety, occupational health and security in the workplace. Students will research and discuss how one can ensure a safe environment in the workplace. Topics discussed include organization and evaluation of safety training and policies, occupational health education as well as compliance with the Occupational Health and Safety Administration (OSHA) rules and regulations. The course will also address network security and industrial espionage as it relates to the role of the Human Resource Manager.

HRMT419 Recruitment and Staffing (3 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.

HRMT422 Bargaining and Negotiation (3 hours)

This course is designed to familiarize the student with the basic structures, strategies, tactics and techniques involved in collective bargaining and negotiations. It examines both interest based negotiations and the more traditional position based negotiations. Focus is on collective bargaining and labor negotiations, however, the approaches and strategies are useful in a wide variety of negotiation contexts.

HRMT427 International Human Resource Management (3 hours)

This course explores the importance of international business management in the context of international human resource management, including topics on culture, compensation and benefits, international organizations and their structures, international assignment management and the legal and regulatory considerations that global organizations face. This course will help students identify differences in operating a domestic versus and international business and how business practices will need to be adapted to operate successfully in foreign markets.

HRMT430 Performance Management (3 hours)

This course examines how to measure and develop individual and group performance. Students will have the opportunity to design performance management systems in an effort to align employee performance with an organization's strategic objectives. There will be an exploration of methods, theories and issues regarding workforce expectations and performance.

MGMT100 Human Relations (3 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. (Prerequisite: ENGL101) Students taking MGMT100 cannot take HRMT101. (Prerequisite: ENGL101)

MGMT101 Principles of Supervision (3 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). (Prerequisite: ENGL101)

MGMT102 Retail Ethics (3 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.

MGMT200 Ethics Fundamentals (3 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 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 Management Seminar (3 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 AA in Management program must be completed before

registering for this course.

MGMT310 Principles and Theory of Management (3 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 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 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 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 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 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 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 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.

MGMT338 Talent Management, Succession Planning and Generation Perspectives (3 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)

MGMT410 Strategic Management (3 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 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 hours)

This course is an opportunity for General Management students to pursue an independent research project or examine a particular area of Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a research paper. There will be no examinations. Students will submit a proposal before the start of the project. To be eligible for an independent study, students must: (1) be enrolled in a bachelors degree program, (2) have completed 24 hours at APUS toward their current degree program, and contact a professor and gain approval for the independent study topic. Once these conditions are met, the student should contact his/her, academic advisor. After the course is opened, the student must complete an official online registration

MGMT495 Senior Seminar in Management (3 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.

TLMT200 Retail Shipping and Receiving (3 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 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.

Undergraduate Course Descriptions

Marketing

MKTG201 Fundamentals of Marketing (3 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 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 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 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 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 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 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 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 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 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 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 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 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.

MKTG421 Marketing Channels (3 hours)

This course deals with the elements and management of marketing channels. This course views marketing channel as an inter-organizational system. Students explore the task of making products and services available for consumption. The main emphasis of this course is on the initial design of marketing channel systems and management of relationships between system participants.

MKTG423 Marketing Writing (3 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 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 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.

Undergraduate Course Descriptions

Mathematics

MATH100 Pre-Algebra (3 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 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 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. If a lower-level math course has not been completed recently, we recommend that students take the 16-week session of MATH110. The eight-week session is recommended only for students with prior math experience and who have an adequate amount of time to pursue a highly-accelerated course of study in eight weeks.

MATH111 College Trigonometry (3 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 pre-requisites for MATH111, the course assumes the student has completed MATH110 College Algebra or an equivalent college level course.

MATH125 Math for Liberal Arts Majors (3 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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)

MATH370 Waiting Line Models and Systems (3 hours)

Topics in the course will include the nature and type of waiting lines and their impact on systems; measures of system performance, and queuing models (finite sources systems and infinite source such as M/M/1, M/D/1 and M/M/S systems). The analysis and management of these systems will be investigated. (Prerequisite: MATH320)

MATH375 Inventory Models and Systems (3 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 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 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 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 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. (Prerequisite: MATH419)

MATH419 Set Theory (3 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 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 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 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 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. (Prerequisite: MATH419)

MATH470 Measurement Theory (3 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 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.

Undergraduate Course Descriptions

Military History

MILH201 Introduction to Military History (3 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 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 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 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 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 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).

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 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 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 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 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 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 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 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 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 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 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 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).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). 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.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations 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. (Prerequisite - HIST300/HS334 for History and Military History majors only). 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.

MILH480 Special Topic: Military History (3 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 HONOR Students 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 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 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)

MILS110 Introduction to Military Leadership (3 hours)

This course is a study of military leadership designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include leadership in battle, preparation for war in the form of effective unit training, examples of effective enlisted leadership qualities and leaders, and the role of inspiration in leadership.

MILS120 Small Unit Leadership (3 hours)

This course is a study of small unit military leadership traits, principles, and cases. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include effective small unit leaders and leadership characteristics; squad, platoon, team, and other small unit organizations of the U.S. military, and the critical roles of morale, courage, and teamwork play at the small unit level.

MILS121 The Military Soldier (3 hours)

This course is a study of the military soldier. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the soldier's role in the military and in society, the effective definition of the military soldier through study of several legendary soldiers, and the capabilities and limitations of the soldier as an arm of national power.

MILS122 Enlisted Leadership (3 hours)

This course is a study of enlisted leadership at the noncommissioned and senior noncommissioned officer levels in today's U.S. military. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the enlisted leadership exemplified in America's major conflicts, the trials of mid-level leaders amidst military and societal change and how the Non-Commissioned Officer is the backbone of each branch of the U.S. Armed Forces.

MILS200 Military Structure and Organization (3 hours)

This course is a study of the enlisted military structure. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Historical analysis provides the evolution of the enlisted military from its earliest inceptions in American history.

MILS250 Military Ethics (3 hours)

This course is a study of military ethics, morality, and moral courage. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include cases of moral decision, principles and theory of ethical military decision-making, and the concept of military ethics in the framework of military rank, command, and obedience and the expectations of a constitutional democracy.

Undergraduate Course Descriptions

Military Management

DEFM200 Fundamentals of Contracting and Acquisition (3 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 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 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 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 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 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.

DEFM331 Military Reserve Couns. & Retention Mgmt. (3 hours)

This course is a study of issues associated with military managers ability to effectively guide subordinates in the retention and counseling of predominately part-time service members. Focusing on the unique needs of the military Reserve component, where issues vary greatly from procedures governing regular component counterparts, this course is a study in unique circumstances brought on by the need to balance a civilian career with the duties, responsibilities and potential hazards of the military. Course topics include in depth study of legal and regulatory rules and regulations governing the Reserve component. Additionally, it addresses the effective counseling and guidance that is required for personnel retention and reduced attrition rates. Scientifically applied practices and measures and historical examples are used. This course is ideally suited for the senior reserve personnel or retention manager, or regular component or civilian manager who desires to bolster proficiency in Reserve Component military retention procedures.

DEFM332 Transition and the Military Family (3 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 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 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.

DEFM412 Deliberate and Crisis Planning (3 hours)

This course is a survey of the two major types of planning employed by the Department of Defense. Differences between the two and the advantages/disadvantages of each will be examined.

DEFM415 Acquisition Test & Evaluation (3 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 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 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 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 hours)

This course involves a case study 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 case study helps develop critical thinking, cost analysis, negotiation, and contract administration skills necessary for successful contract performance.

DEFM424 Overhead Management of Defense Contracts (3 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.

DEFM465 Military Management Senior Seminar (3 hours)

The Military Management Capstone 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 Management and Program Acquisition. 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. Student must have SENIOR standing to register.

DEFM490 Independent Study: Military Management (3 hours)

This course is an opportunity for Military Management students to pursue an independent research project or examine a specific area of Management under the mentorship of a single professor. Students must have already completed 24 hours. 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.

DEFM499 Senior Seminar in Government Contracting and Acquisition (3 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.

Undergraduate Course Descriptions

Nursing

NURS150 Military Nursing Fundamentals and Care of the Childbearing Family and Children (6 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 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 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 hours)

NURS154 Paramedic Nursing Fundamentals & Care of the Adult (6 hours)

NURS155 Paramedic Nursing Fundamentals & Care of the Child Bearing Family and Children (6 hours)

NURS156 Military Nursing Fundamentals & Adult Nursing & Mental Health Nursing (6 hours)

NURS300 Professional Transitions in Nursing (3 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 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)

NURS320 Integrated Pathophysiology and Clinical Pharmacology I (3 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 2-course series explores common physiological patterns of co-morbidities and multiple functional problems and associated pharmacological interventions. Traditional and simulated case studies strengthen clinical reasoning for patients experiencing multiple functional problems across the lifespan, including end of life and palliative care. (Prerequisite: NURS300)

NURS325 Integrated Pathophysiology and Clinical Pharmacology (4 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)

NURS330 Integrated Pathophysiology and Clinical Pharmacology II (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program and continues with content studied in NURS320. Genetics, genomics, multi-generational family histories, and health screenings are explored within the context of the professional nursing role. Case studies are used to develop clinical reasoning and identify associated coordination of care problems. (Prerequisites: NURS320)

NURS340 Science of Evidence-Based Practice (3 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: MATH302)

NURS350 Transformational Leadership and Cultures of Safety (3 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 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. (Prerequisite: NURS300)

NURS401 Caring for Today's Veterans (3 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. (Prerequisite: NURS300)

NURS402 Complementary and Alternative Medicine for Health Professionals (3 hours)

Application of complementary and alternative medicine (CAM) provides nursing and public health professionals' autonomy by allowing them to address aspects of a patient's well-being often disregarded by Western medicine. In this course, health professional learners will increase their understanding of CAM therapies and will demonstrate its implementation in a holistic care model.

NURS403 Ethics in Nursing (3 hours)

This course explores the complex issue of nursing ethics. Using a case study and reflective format, students will consider broad ethical principles that support nursing practice, including the American Nurses Association Code of Ethics. Special problem areas in nursing practice will also be addressed and discussed.

NURS405 Gerontology in Nursing (3 hours)

Gerontology nursing is a specialty of increasing interest and significance in the nursing profession. This course will provide students with theoretical and evidence-based content to increase their knowledge in the care of the older adult. Content includes legal and ethical challenges in caring for this growing population, as well as a discussion of the specialty of gerontology nursing.

NURS407 Nursing Care at the End of Life (3 hours)

This course will explore nursing care at the end of life. Using reflective practice and other interactive formats, students will consider care for patients of all ages and their families, as well as for themselves as caregivers. Ethical and spiritual issues, as well as cultural differences in end-of-life practices, will be discussed.

NURS408 Nursing in Disasters (3 hours)

Regardless of their area of specialty practice, nurses and other healthcare professionals must have basic competencies that allow them to effectively respond in disasters and other emergency situations. This course introduces the principles of disaster nursing and explores legal and ethical issues, working with vulnerable populations, and specific disaster situations. Disaster communication and the Incident Command System as it applies to healthcare are also addressed. This course is open to students outside of the nursing major.

NURS409 Promoting Health and Wellness (3 hours)

Students in this course will look at all aspects of health promotion. Theoretical and evidence-based literature will support practical ways in which nurses and other healthcare professionals can advocate for healthy lifestyle choices in their patient populations. Assessment, planning and evaluation of health promotion practices will be discussed. This course is open to students outside of the nursing major.

NURS410 Community Health I (4 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 project experiences allow for assessment and planning for health education and health problems, epidemiology and cultural issues. This course includes a clinical practice project, which will be completed in NURS420. Students must arrange for a BSN-prepared project preceptor prior to the start of this course. Formal practice preceptor agreements will be signed during the first week of the course. (Prerequisites: NURS300)

NURS411 Applied Genetics and Genomics for Healthcare Professionals (3 hours)

This course will expand upon the basic knowledge of genetics and genomics that is taught in the core nursing curriculum. Students will learn the basic concepts of molecular genetics and discuss the impact that genetics has on selected health problems and patient populations. This course is open to students outside of the nursing major.

NURS420 Community Health II (4 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 continue to study the community as a client. The student will gain knowledge of the vulnerable and underserved populations as well as how communities are affected by culture diversity and natural and man-made disasters. Clinical project experiences allow for assessment and planning of an individual, family, and community's health. This course includes the completion of a clinical project that began in NURS410. Students must arrange for a BSN-prepared project preceptor prior to the start of this course. Formal preceptor agreements will be signed during the first week of the course. (Prerequisite: NURS410)

NURS421 Community Health I (3 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 project experiences allow for assessment and planning for health education and health problems, epidemiology and cultural issues. This course includes a practice project, which will be completed in NURS420. Students must arrange for a BSN-prepared project preceptor prior to the start of this course. Formal practice preceptor agreements will be signed during the first week of the course. (Prerequisites: NURS300)

NURS422 Community Health II (3 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 continue to study the community as a client. The student will gain knowledge of the vulnerable and underserved populations as well as how communities are affected by culture diversity and natural and man-made disasters. Clinical project experiences allow for assessment and planning of an individual, family, and community's health. This course includes the completion of a clinical project that began in NURS410. Students must arrange for a BSN-prepared project preceptor prior to the start of this course. Formal practice preceptor agreements will be signed during the first week of the course. (Prerequisite: NURS421)

NURS498 Senior Seminar in Nursing Studies (3 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

Undergraduate Course Descriptions

Philosophy

PHIL101 Introduction to Philosophy (3 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.

PHIL200 Introduction to Ethics (3 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.

PHIL201 Introduction to Critical Thinking (3 hours)

This course will introduce students to the process of critical thinking, by which people acquire and retain new knowledge in their personal and professional lives, evaluate the relevance and validity of that knowledge, scrutinize its sources, recognize fallacies, systematic biases, distortions, stereotypes and prejudices in reasoning, and assess the risks they pose. Students will learn to analyze the techniques of argumentation and debate and apply those techniques in the construction of their own arguments in support of their beliefs and assertions, singly and in groups, and in written, oral, and technologically mediated form.

PHIL202 Philosophy of Science (3 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 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

PHIL301 Ethical Theory and Concepts (3 hours)

This course examines the leading ethical thinkers, research, and writings that dominate the history of moral philosophy from the ancient to the contemporary periods, including such traditional philosophers as Aristotle, Kant, and Mill. Students will compare and contrast traditional Western theories and non-traditional, non-Western ethical theories, and recognize the main objections to traditional Western ethical theories. (Pre-requisite: PHIL101).

PHIL302 Ancient Western Philosophy (3 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 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).

PHIL310 Studies in Chinese Thought (3 hours)

This course is an introduction to the three great traditions of Chinese philosophy: Confucianism, Taoism, and Ch'an Buddhism. Modern translations and commentaries of the classical texts will be used.

PHIL311 Studies in Japanese Thought (3 hours)

This course is an introduction to the Japanese philosophical tradition. Zen Buddhist teachings will be examined through two quite different but equally representative schools: "zazen" - sitting in meditation, and "koan" - Zen riddles. The Bushido or Samurai teachings will also be examined. Modern translations and commentaries of the classical texts will be used.

PHIL320 Environmental Ethics (3 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 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).

PHIL402 Critical Thinking for Decision Making (3 hours)

This course will introduce students to the principles of sound decision making as it relates to their specific disciplines, through the historical analyses of case studies and the application of those principles to hypothetical and real-life situations. Topics covered will include the Information Age and strategic decision making, systems thinking, strategic leader performance, creating and managing teams for decision making, negotiation, values and ethics, the role of quantitative techniques, and strategic vision and the management of change.

PHIL404 Epistemology (3 hours)

This course is a critical examination of problems concerning knowledge and belief; for example, how are beliefs acquired and justified, are there limits to knowledge, what is the scope and reliability of reason and experience, what counts as an explanation, how are truth, meaning and reality related? Readings will be from historical and contemporary sources, e.g., Descartes, Kant, Russell, Wittgenstein, Quine.

PHIL410 God and World (3 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 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 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).

PHIL498 Senior Seminar in Philosophy (3 hours)

This capstone course is an intensive study of major figure(s) and or movement(s) in philosophic thought. 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. This is a capstone course to be taken after all other Philosophy courses have been satisfactorily completed. Prerequisite: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Political Science

POLS210 American Government I (3 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 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 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 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 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 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 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 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 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.

POLS420 Comparative Politics Parliamentary Democracy (3 hours)

This is a course comparing Parliamentary Democracy to the American Constitutional Democracy. The case study for this course will be the government of the United Kingdom. The government and politics of the British parliamentary system will be compared and contrasted with the constitutional democracy of the United States. Students will learn about the development of British parliamentary democracy in comparison with the growth and development of democracy in the United States.

POLS430 Comparative Politics Communism (3 hours)

This course is about the government and politics of communism, in theory and practice, with emphasis on China, in contrast with the theory and practice of democracy in the United States. Students will learn about the development of communist theory, about political life in communist China, and about China's political institutions. Students will also learn about the development of representative democracy in America and about the comparative merits of both systems of government.

POLS440 Comparative Politics Theocracy (3 hours)

This course compares the government and politics of theocracy and democracy. The case study for this course will be the government of Iran. The course will compare the government and politics of the Islamic Republic of Iran with the United States. Students will learn about the development of the Iranian theocratic state, how the political parties differ between the two types of government, how theocracy affects foreign policy, and how a theocratic constitution compares with a democratic constitution.

POLS491 Special Topics in Political Science (3 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 Paper.

POLS497 Senior Seminar in Political Science (3 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.

Undergraduate Course Descriptions

Professional Studies

BUSN120 Real Estate Principles (3 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 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 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 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 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.

Undergraduate Course Descriptions

Psychology

PSYC101 Introduction to Psychology (3 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 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 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.

PSYC202 Social Psychology (3 hours)

PSYC221 Personality Theories (3 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 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 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 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 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 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 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

PSYC343 Adult Development (3 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 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 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.

PSYC431 Psychology of Disaster (3 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 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 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 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 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.

Undergraduate Course Descriptions

Public Administration

PADM300 Public Management (3 hours)

This course provides a systematic analysis and overview of the management of public organizations. The functions, operations, processes and tools of public management are examined to ensure the student has a broad understanding of the field and its role in American civic life. The overall theme of the course focuses on the need for results oriented management that improves the performance of public organizations.

PADM301 Public Economics (3 hours)

The course introduces the basic principles and application of micro and macro economics in the public sector as government interacts with the private sector. Analysis broadly includes supply and demand, operation of markets, consumer and enterprise behavior, competition and monopoly, income distribution, discrimination, and alternate approaches to ensure social economic well-being. Core principles within the framework of national income, national security planning and objectives, unemployment, inflation, economic growth, depression, prosperity, international economics, economic development, alternative approaches to economics, and current issues and controversies are also examined. The overarching intent of the course is to help students understand public policy issues from an economic perspective.

Undergraduate Course Descriptions

Public Health

PBHE111 Introduction to Health Care Administration (3 hours)

This course presents information and insight that identifies the challenging and overarching issues surrounding Health 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 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 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 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.

PBHE315 Health Economics and Finance (3 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 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 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 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 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 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.

Undergraduate Course Descriptions

Religion

RELS101 Introduction to the Study of Religion (3 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 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 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 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 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 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.

RELS314 Catholicism and the Modern World (3 hours)

This course examines the Catholic Church as a modern institution, to include its political and social influences around the world, its primary leaders, its current doctrine, its organization, and the issues it faces for the future.

RELS321 Black Religion in America (3 hours)

This course examines black religious movements, including the black church, black Jews, and the nation of Islam. Students will trace the history of black religious movements in America by starting with African-American religion as it was originally practiced in Africa, followed by the religion of the slaves, the beginning of the black church movement, and the de-Christianization of the black church by black Jews and by members of the nation of Islam.

RELS330 Religions of the Middle East (3 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 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 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 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 for Muslim life, particularly in terms of being the Final Messenger, the Last Prophet.

RELS353 Islam (3 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 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 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.

RELS412 Religious Fundamentalism (3 hours)

The local and global significance of religious fundamentalism seems to be growing exponentially in recent times, in terms of both media coverage and political influence. This course explores the historical development (i.e., trigger conditions), contemporary expressions, and potential forecast of fundamentalist movements across religious, socio-political and geographical boundaries.

RELS422 The Teachings of Jesus (3 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.

RELS441 Modern and Contemporary Judaism (3 hours)

This course explores modern and contemporary Judaism. Students examine how Jewish traditions have adapted (or have not) within the context of modern society and study Jewish ideas and beliefs within the context of historical events and cultural trends.

RELS452 Religious Cults (3 hours)

This course examines religious cults that span specific times and religions. Its focus is on the causes of cult formulation, cult leadership, cult purpose, 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.

RELS480 Celtic Christianity (3 hours)

This course introduces the student to a unique period in the history and development of Christianity (4th through 9th centuries.) The Celtic lands were influenced by Christianity, yet remained somewhat apart from the mainstream religious views and effects. This course will explore the uniqueness of Celtic Christianity, both then and now, through its many aspects – spirituality, art, symbols, history, archaeology, music, writings, geography, education, influential individuals, saints, etc.

RELS498 Senior Seminar in Religion (3 hours)

This is a capstone course that explores contemporary issues and beliefs in religion and events of particular historical importance to the discipline. Course content includes 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. Prerequisite: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Retail Management

HRMT390 Human Resource Manager Integration Course (3 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.

RTMG150 Retail Organization Fundamentals (3 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 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 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 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 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 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 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 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 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 Management program.

RTMG300 Retail Strategy (3 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 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 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 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 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 hours)

This 16 week course is only for Walmart Buyer's or Sam's Club Buyer's 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; communication; strategic management; retail strategy; consumer behavior; retail operations; retail merchandising operations' customer relations 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.

RTMG395 Sam's Club Assistant Manager Integration Seminar (3 hours)

This 16-week course is only for Sam's Club 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 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 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 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.

SCMT395 WalMart and Sam's Asset Protection Manager's Integration Course (3 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 designated courses for their position in the subject areas above.

TLMT390 Walmart Logistics General Manager Integration Seminar (3 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 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

Undergraduate Course Descriptions

Reverse Logistics Management

RLMT301 Introduction to Reverse Logistics Management (3 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 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 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 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 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 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 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 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.

RLMT311 Reverse Logistics Economics (3 hours)

This course provides the student with a coherent and integrated framework for understanding aggregate reverse logistics activity, based on micro and macro-economic principles. The student is presented examples and case studies to examine reverse logistics activities in the United States. Students will discuss and provide their own evaluation of key variables, including patterns of demand, to be considered in generating or creating reverse logistics value and costs. Overall, this course balances traditional transportation and logistics economics theory with real-world reverse logistics demands. Topics that are discussed and analyzed include reverse logistics regulations, tariffs on moving goods across borders, the impact of interstate commercial policy on past and emerging reverse movement of goods and services policies, international trade barriers and benefits, reverse logistics impact on exchange rates, and how to view investment strategies that impact customer service in manufacturing and retail industries.

RLMT400 Recalls Best Practices and Issues (3 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 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.

Undergraduate Course Descriptions

Science

BIOL133 General Biology I with Lab (4 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 major's level biology course. Topics 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. NOTE: This course requires the student to purchase additional materials at a substantial cost that are not covered by the book grant. Please refer to the Course Materials section for additional details.

BIOL134 General Biology II with Lab (4 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. 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 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.

BIOL202 Principles of Microbiology with Lab (4 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. Prerequisite: BIOL134

BIOL240 Elements of Biological Chemistry (3 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. 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: CHEM134 and BIOL134.

BIOL241 Cell Biology (3 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 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. Students must complete SCIN131 or CHEM133 with a grade of C or better prior to enrolling in BIOL250. 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. Prerequisites: CHEM133 or SCIN131, and MATH110, MATH111, or MATH225

BIOL251 Human Anatomy and Physiology with Lab II (4 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. Students must complete BIOL250 with a grade of C or better prior to enrolling in 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. Prerequisite: BIOL250

BIOL301 Molecular Biology (3 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: BIOL134, SCIN211

BIOL322 Developmental Biology (3 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 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

CHEM133 General Chemistry I with Lab (4 hours)

This is the first course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. 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 designed for students in the sciences 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 designed to help reinforce and build upon the concepts presented in the lecture portion of the class. 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 hours)

This is the second course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. 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 designed for students in the sciences to learn how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, generate their own data, and to 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. 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. In order to be successful in this course, students must have successfully completed CHEM 133 General Chemistry I with Lab or equivalent. Prerequisite: CHEM133

ERSC204 Earth System History (3 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. 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: SCIN138

ERSC206 Weather and Climate (3 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 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 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 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 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: SCIN234 or PHYS134, and MATH226

ERSC401 Natural Hazards and Society (3 hours)

The purpose of this course is to introduce the student to the complex relationships between natural hazards and society. The course addresses geographic research methodologies, concepts of vulnerability, resilience and adaptation, as well as the role of social organization and risk communication. Case studies are used to relate concepts to students, and the course concludes with student assessments of the future of hazard adaption. Examples and case studies are taken from international and U.S. experiences, with a specific focus on how societies adjust to natural hazards. Prerequisites: GEOG103, ERSC206, and ERSC302

GEOG101 Introduction to Geography (3 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 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 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 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

GEOG307 Modern Military Geography (3 hours)

Warfare is inherently spatial in nature. People strive for the control of places using military art and science. The geographer's study of the location and distribution of features on the Earth's surface is central to this endeavor. These features are both natural and man-made, both physically and culturally determined. The effects of geographic factors on the planning, preparation, and conduct of military operations are the focus of this course.

PHYS133 Elements of Physics I with Lab (4 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 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

SCIN121 Habitable Worlds Are We Alone with Lab (4 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 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. THIS WILL REQUIRE ADDITIONAL TIME EACH WEEK TO COMPLETE THE LAB, which may have a hands on laboratory component.

SCIN131 Introduction to Chemistry with Lab (4 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 hours)

This course introduces students to the fundamental principles associated with the structure and function of the human body. The course will begin with a general introduction to anatomy and physiology, an overview of organic chemistry, and a study of cellular and tissue structure and function and then move on to survey each of the following 11 organ systems of the human body: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive. 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 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 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.

SCIN135 Introduction to Forestry with Lab (4 hours)

This course will examine basic forestry definitions, historical factors in U.S. forest history, forest flora and fauna, forest management, the relationship between forest resources and human uses, and case studies. The Forestry lab provides students with hands-on application of forestry principles with or without having access to forest resources. The course will involve learning techniques for measuring forest resources; identification procedures for soils, trees and climate; and research techniques of current forestry concerns, such as urban forestry and deforestation. If the student has access to forested areas, he or she will be able to conduct research in the field; however, if the student is located in a non-forested area, all necessary data will be available online.

SCIN136 Introduction to Oceanography with Lab (4 hours)

This course covers the principles of oceanography for students who are non-scientists. It introduces oceanographic terminology, research methodology, and the major concepts of physical, geological, chemical, and biological oceanographic systems. Students will become familiar with the scientific method and specific aspects of the ocean by focusing on problems involving, for example, icebergs, acoustics, pollution, fisheries, ship routing, and offshore minerals exploration. Laboratory exercises based on real-world data allow the student to apply oceanographic principles to real-world questions or problems, and to practice data visualization, data analysis, multimedia integration, technology literacy, and transferable technology skills.

SCIN137 Introduction to Meteorology with Lab (4 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 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.

SCIN139 Introduction to Human Ecology with Lab (4 hours)

This course is an introduction to the terminology, methodology, and general topics of human ecology. It provides a survey of the linkages between human populations and the ecological and environmental niches in which we live. Course material will center on core human ecological elements of diet, disease, demography, and development. Specific topical material will include ecological concepts, demographics, population growth, fertility rates, food energy, health, and diseases. Investigations are framed within the framework of human-environment interactions. The Human Ecology lab provides students with hands-on application of basic human ecological research principles. The student will be guided in areas of qualitative and quantitative data collection, investigations into human-environment relationships regarding health and environment, and human-environment investigations through survey creation and assessment.

SCIN140 Introduction to Environmental Science with Lab (4 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 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: 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 or SCIN130

SCIN206 Marine Biology (3 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 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 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. Calculus I should be taken prior to or concurrent with this course. 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 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 Refraction of Light, Optical Instruments, Interference and Diffraction, and an Introduction to Quantum and Particle Physics. Calculus I and Physics I should be taken prior to this course. Calculus II should be taken prior to or concurrent with this course (Prerequisites: SCIN233 and MATH226)

SCIN261 Introduction to Planetary Science with Lab (4 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.

SCIN299 Natural Sciences Review (3 hours)

This course is designed to have students in the Natural Sciences Degree Program demonstrate their background and mastery of concepts from the four major areas of the natural sciences: physics, chemistry, biology, and earth & environmental sciences. Students will be asked to demonstrate a working knowledge of and ability to integrate the material and concepts from their 100-level and 200-level science courses. Do not attempt this course until you have completed all the other courses in the Natural Sciences core. Completion or concurrent enrollment in all other natural science core courses. (Prerequisite: BIOL134, CHEM134, GEOG103, HIST270, ENGL221, MATH226, MATH302, PHIL202 AND PHYS134 OR SCIN234)

SCIN310 Vertebrate Zoology (3 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 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: SCIN130 or BIOL134

(Prerequisite: SCIN130 or BIOL134)

SCIN314 Botany (3 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 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. For students to be successful, Introduction to Botany is strongly recommended as a prerequisite to this course.

SCIN360 Advanced Human Anatomy and Physiology (3 hours)

This course is custom-designed for the student with little or no science background who wishes to go into or improve his or her understanding of the body as to sports or any of the allied health fields. The emphasis is on how the body is constructed and how it operates, with special applications to the maintenance and improvement of health and fitness. Therefore, it is not "overly detailed" as other courses that are taken by medical students; rather, it is a course that will help you understand your own body and why it acts and reacts the way it does to both internal and external stimuli. Prerequisite: SCIN132 or BIOL251 (Prerequisite: SCIN132 or BIOL251)

SCIN400 Research Methods in Natural Sciences (3 hours)

Research Methods for Natural Sciences is a course that focuses on providing the student the essential elements of scientific research and issues 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 publishing. In addition, they will be given the opportunity to conduct research on a variety of scientific topics within the field of Natural Sciences. The principles and practices covered during this course are commonly used in the academic fields of natural, physical, and social science. Do not attempt this course until you have completed SCIN299 and all other required courses in the Biology or Earth Science concentration. (Biology Concentration Prerequisite: BIOL240, BIOL241, BIOL342, EVSP416, SCIN211, SCIN299. Earth Science Concentration Prerequisite: ERSC204, ERSC206, ERSC305, GEOG200, SCIN138, SCIN261, SCIN299)

SCIN401 Mammalogy (3 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.

SCIN402 Ornithology (3 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 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.

SCIN499 Senior Seminar in Natural Sciences (3 hours)

Instruction in analysis and presentation of original research. Each student will analyze and interpret data collected from a project executed as part of an upper-level course. Each student will prepare a public presentation of his/her research. This is considered the capstone course for students completing majors within the natural sciences. Prerequisite: SCIN400. Prerequisite: Completion of a minimum of 106 hours towards your program.

Undergraduate Course Descriptions

Security Management

SCMT101 Introduction to Security Management (3 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 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 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 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 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 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 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 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 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 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 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 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 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 in industrial espionage, the rise of the competitive intelligence professional, tensions between openness and security, and the Economic Espionage Act of 1996.

SCMT396 Protective Services (3 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 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 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 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.

Undergraduate Course Descriptions

Social Science

ANTH100 Introduction to Anthropology (3 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 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. Archaeological excavation methods and archaeological artifacts are discussed in considerable detail. In the second half of this course the student will engage in a "virtual dig" of a Middle Paleolithic site in France, using a workbook and a CD-Rom.

ANTH201 Introduction to Physical Anthropology (3 hours)

This course is an introduction to the human species as revealed by living fossil primates, ancient forms of humanity, and the interaction of biological and cultural evolution. It examines the origin and evolution of the human species, primates, modern human variation, prehistoric societies, and linguistic classification.

ANTH202 Introduction to Cultural Anthropology (3 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 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.

SOCI490 Independent Study: Social Science (3 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.

Undergraduate Course Descriptions

Sociology

SOCI 111 Introduction to Sociology (3 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.

SOCI 212 Social Problems (3 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.

SOCI 213 Society, Interaction, and the Individual (3 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.

SOCI 214 Stratification and Inequality (3 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.

SOCI 215 Social Deviance (3 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.

SOCI 220 American Popular Culture (3 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 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. (Prerequisites: SOCI111)

SOCI305 Contemporary Sociological Theory (3 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 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.

SOCI311 Political Sociology (3 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 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 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.

SOCI321 Environmental Sociology (3 hours)

Environmental problems are usually described in terms of the natural and life sciences; however, they are ultimately social problems, caused by social practices that reflect entrenched social values. This course will examine historical and contemporary sociological perspectives that have informed human's relationship with nature; the role of social/political/economic organization in the evolution and definition of environmental problems; and how social stratification is related to the environment. Course materials will include a survey of current research and methods in the subfield such as social movement research and network analysis. This course replaces SOCI320. (Prerequisite: SOCI111)

SOCI331 Research Methods for Sociology (3 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 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 the in 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 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 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 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 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 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 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 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.

SOCI491 Sociology Independent Study (3 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 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. Prerequisites: SOCI111 and all Core and Major courses and a minimum of 106 hours towards your program

Undergraduate Course Descriptions

Space Studies

SPST300 Introduction to Space Studies (3 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 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).

SPST302 Comets, Asteroids, and Meteorites (3 hours)

Asteroids, meteorites and comets, the leftover material from the formation of our solar system, are all key to understanding its origin. The composition, history and interrelationships of these objects will be covered, as well as their influence on the Earth and other bodies, and what they tell us about the early solar system. (Prerequisite: SPST300).

SPST303 History of Space (3 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 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: SPST300).

SPST305 Introduction to Orbital Mechanics (3 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 SPST300).

SPST306 Human Space Flight (3 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: SPST300).

SPST307 Space Policy (3 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: SPST300).

SPST310 Rocket Propulsion (3 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 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.

SPST415 Space Station Systems and Operations (3 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: SPST300).

SPST425 Satellite and Spacecraft Systems (3 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: SPST300).

SPST435 Planetary and Space Exploration (3 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: SPST300).

SPST445 Space Transportation Systems (3 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: SPST300).

SPST465 Space Weather (3 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: SPST300).

SPST485 Space Wargaming (3 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.

SPST490 Independent Study - Aerospace (3 hours)

An opportunity for Aerospace students to pursue an independent research project or examine a specific area of Aerospace 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. 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.

SPST499 Senior Seminar in Space Studies (3 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.

Undergraduate Course Descriptions

Sports and Health

SPHE290 Foundations of Sports and Health Sciences (3 hours)

This course introduces students to the fundamental concepts of Sports and Health Sciences including basic principals in exercise science, health, wellness, fitness and coaching studies. The student will focus on clarification of the wellness continuum including physical, emotional, intellectual, spiritual, interpersonal, and environmental wellness while implementing the methods of the health related components of physical wellness – cardio respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition to promote lifelong physical fitness, disease prevention, and health and wellness.

SPHE295 Foundations of Nutrition (3 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 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 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? Prerequisite: BIOL250 and BIOL251

SPHE316 Sports and Recreation Facility Management (3 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 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 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 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 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 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. (Prerequisite: BIOL250 and BIOL251).

SPHE324 Biomechanics (3 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 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 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 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 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 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 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 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 be 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. (Prerequisite: BIOL251)

SPHE412 Sports Finance (3 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 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 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 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 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 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 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 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 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 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.

SPHE460 Business Aspects of Fitness and Wellness (3 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 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 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

Undergraduate Course Descriptions

Sports Management

SPHE491 Senior Seminar in Sports Management (3 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

Undergraduate Course Descriptions

Transportation and Logistics

TLMT311 Introduction to Transportation Management (3 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 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 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 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 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 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 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 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 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 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 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.

TLMT405 Best Practices in Reverse Logistics (3 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 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 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 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. with What 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 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 stock location, 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 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 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.

Undergraduate Course Descriptions

Women's Studies

WOMS319 Transnational and Global Issues in Women's Studies (3 hours)

This course seeks to explore global perspectives on a number of the key ethical debates in Women's Studies involving basic human rights and women's lived experience including human trafficking and sex work, transnational mothering and domestic labor, reproductive and cosmetic technologies, and legislated multi-culturalism. In particular, this course considers how these debates are framed by secular and religious feminists and womanists globally and how they are portrayed across cultures in novels, film, poetry, religious texts, and other cultural artifacts. The aim of the course is to investigate how these issues might better be identified, negotiated and/or addressed effectively in terms of global, political, legislative and civic action in communities, and by the academy based on feminist ethic of care.

WOMS320 Introduction to Feminist Thought (3 hours)

This course is an interdisciplinary survey of historical and contemporary feminist theories in the United States and international contexts.

WOMS321 Contemporary Women's Issues (3 hours)

This course is a critical analysis of major contemporary women's issues covering a range of research, writing, and cutting-edge topical issues in the arts, politics, business, humanities, and social and natural sciences.

WOMS330 The Black Woman (3 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.

WOMS343 Native American Women (3 hours)

This course examines Native American women from historical to contemporary times. Topics include the traditional and changing role of the woman in Native American society in relation to her duties, responsibilities, and obligations in family, tribe, workplace, and other settings.

WOMS361 History of Women in Latin America (3 hours)

This course is a survey of human and cultural elements of women's lives in contemporary Latin America. Students explore women's roles in traditional Latin American societies undergoing modernization. Students also examine the issues of development and industrialization felt by Latin American women in both cities and rural areas.

WOMS378 Women and Sports (3 hours)

This course is an interdisciplinary survey of historical and contemporary analysis of women's experiences in sport in the United States as well as globally. Students will explore women in sports of all kinds, and analyze the experiences of a variety of women across the world and how sports has made an impact on their lives to include the development of sports for women in general. The course is designed to include critically reading, discussing and writing about feminist literature and its applicability to women's lives with a particular emphasis on the ways in which gender and sport interacts with race, class, culture, ability, sexual orientation, age and ethnicity. These will be addressed through the lens of gender roles in sports in relation to cultural, legislative issues, the media, political and contemporary issues, and other controversies within our society.

WOMS400 Women of Color: Cross-Cultural Comparison (3 hours)

This course is a global examination of the cultures and ideologies (belief and value systems) of women of color. Topics include specific minority ethnic groups in the United States, Europe, developing countries, and elsewhere throughout the world. The course is designed using a cultural constructionist and systems approach to a global examination and comparison of gender relations. It introduces students to contemporary theoretical perspectives used in the study of culture and gender. The emphasis

will be on developing an understanding of the interrelated nature and stratifying effects of gender, ethnicity, and class in the lives of women both in the United States and globally.

WOMS410 Women and Leadership (3 hours)

This course explores contemporary issues related to leadership in relation to current research in women's studies, to include gender models of leadership. Course topics include styles of leadership, women and competition, sexism in the workplace, and gender communication differences.