

Information Technology (ITNW)

ITNW200 Cisco I (3 semester hours)

Cisco I is the first of two courses introducing students to material covered in the Cisco Certified Entry Networking Technician (CCENT) certificate as well as the Cisco Certified Network Associate (CCNA® R&S) designation. Course introduces Networking Academy students to the networking field. Topics include Network terminology, Network protocols, Local-area networks (LANs), Wide-area networks (WANs), Open System Interconnection (OSI) model, Cabling, Routers, Internet Protocol (IP) addressing, and Network standards). CCNA® is a registered trademark of Cisco Technology, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

ITNW201 Cisco II (3 semester hours)

Cisco II is the second of two courses introducing students to material covered in the Cisco Certified Entry Networking Technician (CCENT) designation and is the second of four courses leading to the Cisco Certified Network Associate (CCNA® R&S) designation. Topics include basic routing and switching concepts, Virtual LANs (VLANs), Inter-VLAN routing, static routing and dynamic routing protocols, Single-Area OSPF, Access Control Lists (ACLs), Dynamic Host Configuration Protocol (DHCP) and Network Address Translation (NAT). CCNA® is a registered trademark of Cisco Technology, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

ITNW210 Cloud Foundations (3 semester hours)

Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

ITNW211 Cloud Architecting (3 semester hours)

Cloud Architecting covers the fundamentals of building IT infrastructure on Amazon Web Services, or AWS. The course is designed to teach solutions architects how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. Because architectural solutions can differ depending on industry, type of applications, and size of business, this course emphasizes best practices for the AWS Cloud, and it recommends various design patterns to help you think through the process of architecting optimal IT solutions on AWS. It also presents case studies throughout the course, which showcase how some AWS customers have designed their infrastructures, and the strategies and services that they implemented. Finally, this course also provides opportunities to build a variety of infrastructures via a guided, hands-on approach. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.