Bachelor of Science in Information Technology (BSIT)
Specialization in Network Administration

From mission-critical business systems to e-commerce and the Internet, IT is not only an industry in its own right but also a fundamental building block of all other industries. AIU® offers an industry-current BSIT program with an in-depth specialization in Network Administration that combines technical skills and knowledge with a focus on professional skills in areas including leadership, behavioral understanding, implementation of change and project management.

**CURRICULUM INCLUDES**
In this specialized curriculum, you can learn how to implement and deploy network topologies using the necessary network hardware and software systems.

This real-world specialization offers the opportunity for in-depth study, with more than half of your courses in your area of interest. It can help you develop a focused, industry-specific knowledge base common to IT professionals in the field of network administration. For example:

**Routing and Switching**: students can study topics including the role of switches and routers in network topologies and architectures, collisions and network congestion, and switch management issues.

**Enterprise Networking**: students study LAN and WAN systems relative to network configurations, hardware, operation systems, and other key topics.

**Specialized Network Administration**: students explore architectural network designs in accordance with ISO standards, Quality of Service (QoS), and configuration/fault/performance management considerations.

**WE CAN HELP YOU**
- Summarize details of essential computer concepts
- Use an operating system interface to access, add, troubleshoot and configure hardware and manage files
- Implement a relational database management system utilizing the concepts of database design and data modeling
- Develop business applications using programming languages, tools and software development methodologies
- Assess, design, manage and implement computer networks

* Not all credits are eligible to transfer. See the University Catalog for transfer credit policies.
The AIU Bachelor of Science in Information Technology (BSIT) degree program offers a dynamic curriculum focused on industry-relevant technology trends and applications designed to help students learn how to evaluate emerging technologies in the application of appropriate information systems to manage and achieve organizational goals and objectives.

FOCUS ON YOUR SPECIFIC AREA OF INTEREST
By studying key topics in network administration to complete the upper division’s core specialization requirements, you have an opportunity to acquire industry-current knowledge of network configurations, networking hardware, network operating systems, segmentation through sub-netting and network management issues.

A SPECIALIZED CURRICULUM TAUGHT BY EXPERIENCED PROFESSIONALS
In addition to a quality curriculum based on industry-relevant standards, AIU’s BSIT with a specialized focus in Network Administration is taught by experienced faculty, many who have worked in the fields they teach. This offers you an opportunity to learn from professionals who can share their understanding of the qualities and skills sought in today’s competitive marketplace for network administration professionals.

### GENERAL EDUCATION COURSES
- ENGL106 English Composition I 4.5
- ENGL107 English Composition II 4.5
- MATH125 General College Mathematics 4.5
- MATH133 College Algebra 4.5
- UNIV103 Academic and Professional Success 4.5
- UNIV106 Technology and Information Literacy 4.5
- UNIV109 Interpersonal Communication 4.5
  - Humanities (2 courses) 9
  - Natural Sciences (2 courses) 9
  - Social and Behavioral Sciences (2 courses) 9

**Total General Education Requirements** 58.5

### CORE COURSES (CONTINUED)
- ITCO327 Introduction to Mobile Technologies and Internet of Things 4.5
- ITCO498 Program Capstone 4.5
- MGMT412 Project Management 4.5

**Total Core Requirements** 58.5

### GENERAL ELECTIVE COURSES
- GEN ELEC General Electives 22.5

**Total General Elective Requirements** 22.5

### NETWORK ADMINISTRATION SPECIALIZATION
- ITCO299 Comprehensive IT Project 4.5
- ITCO341 Applications of Discrete Mathematics and Statistics in IT 4.5
- ITCO425 System Architecture and Integration 4.5
- ITNA353 Routing and Switching 4.5
- ITNA355 Advanced Routing and Switching 4.5
- ITNA357 Network Security Management 4.5
- ITNA359 Special Topics in Network Administration 4.5
- ITNA455 Enterprise Networking 4.5
- ITNA457 Specialized Network Administration 4.5

**Total Specialization Requirements** 40.5

**Total Bachelor’s Degree Requirements** 180

For important information about the educational debt, earnings, and completion rates of students who attended these programs, go to www.aiuniv.edu/disclosures. AIU cannot guarantee employment or salary. Not all programs are available to residents of all states.

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