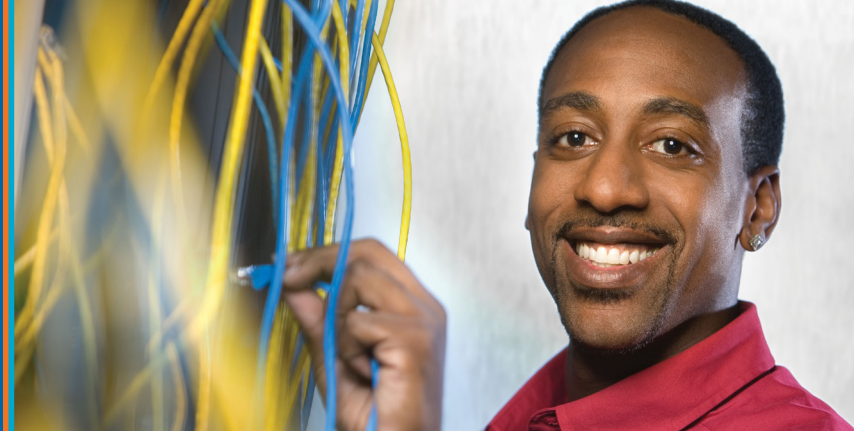


Bachelor of Science in Information Technology (BSIT)

Specialization in **Network Administration**



OVERVIEW

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.

COURSEWORK

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.

OUTCOMES

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

WHY AIU?

AIU offers a streamlined, real-world curriculum and flexibility designed to help you schedule school around your life, not the other way around. Along with industry-relevant undergraduate and graduate degrees, our industry-focused specializations allow in-depth study of the field.

To accommodate busy lives, we offer full- and part-time program options and transfer-in credit* for eligible college, work and military experience, which could cut down on the time it takes to earn a degree.



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* Not all credits are eligible to transfer. See the University Catalog for transfer credit policies.

Bachelor of Science in Information Technology (BSIT)

Specialization in Network Administration

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

ITCO101	Discovering Information Technology	4.5
ITCO103	Introduction to Computer and Network Hardware	4.5
ITCO107	Developing Professional Communications	4.5
ITCO211	Introduction to Operating Systems	4.5
ITCO221	Fundamentals of Programming and Logic	4.5
ITCO231	Introduction to Databases	4.5
ITCO251	Network Infrastructure Basics	4.5
ITCO361	Information Technology Security	4.5
ITCO381	Introduction to Web Systems and Media	4.5
ITCO391	Human/Computer Interfaces and Interactions	4.5

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
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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. 1292779 3-18

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