

Bachelor of Science in Information Technology (BSIT)

Concentration in **Digital Investigations**



OVERVIEW

Private and public sector entities depend on information technology leaders to conceptualize, implement, and manage high quality, secure information systems to support their organizations. AIU® offers an industry-relevant BSIT program with a concentration in Digital Investigations that's designed to provide real-world knowledge. Areas covered include examining techniques for collection, preservation, analysis and reporting of digital-network evidence.

CURRICULUM INCLUDES

In this specialized curriculum, you can get an overview of cybercrime and immerse yourself in concepts and systems involved in digital investigations, including digital investigation techniques for applications running network operating systems.

This real-world concentration can help you develop a focused, industry-specific knowledge base conducting investigations as a digital crime professional. For example:

Digital Investigations I & II: In this series of courses, students can examine and utilize a variety of tools and techniques necessary to identify and document threats. Topics may include procedures, steganography, operating systems, tool validation plans, and open source software.

Network Investigations: students can explore forensic techniques for collection, preservation, analysis, and reporting of digital network evidence.

COURSEWORK

WE CAN HELP YOU

- Articulate ethical, legal, and professional responsibilities of information technology professionals to include societal and global impact
- Communicate technical information verbally, written, and graphically in various professional settings
- Design and maintain computer-based solutions based on user or system requirements, best practices and industry-relevant tools and technologies
- Recommend computing solutions based on evaluation of current technologies, principles, and theories
- Function effectively on teams in various roles appropriate for the information technology discipline

OUTCOMES

* Transfer credit is evaluated on an individual basis. Not all credits are eligible to transfer. See the University Catalog for transfer credit policies.

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 degree programs, our industry-focused concentrations 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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Bachelor of Science in Information Technology (BSIT)

Concentration in Digital Investigations

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 digital investigations to complete the upper division's core and concentration requirements, you have an opportunity to acquire fundamental understanding of digital and network investigations as you pursue your interest in opportunities involving the detection and prevention of computer crime.

A SPECIALIZED CURRICULUM TAUGHT BY EXPERIENCED PROFESSIONALS

In addition to a quality curriculum based on industry-relevant standards, AIU's BSIT with a focus in Digital Investigations 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 utilized in today's marketplace for digital investigation professionals.

REQUIRED COURSES

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
ITCO105	Information Technology and Society	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
ITCO299	Comprehensive IT Project	4.5
ITCO361	Information Technology Security	4.5
ITCO385	Introduction to Mobile Technologies and the Internet of Things	4.5

CORE COURSES (CONTINUED)

ITCO391	Human/Computer Interfaces and Interactions	4.5
ITCO498	Program Capstone for IT	4.5

Total Core Requirements 58.5

DIGITAL INVESTIGATION COURSES

ITDI372	Introduction to Cyber Crime and Digital Investigations	4.5
ITDI375	Digital Investigations I	4.5
ITDI379	Digital Investigations II	4.5
ITDI473	Network Investigations	4.5

Total Concentration Requirements 18

ELECTIVES

Select 7 undergraduate elective courses	31.5
Select 3 undergraduate Information Technology Elective courses (ITCO/ITDI/ITAS/ITNA/ITSD)	13.5

Total Elective Requirements 45

Total Bachelor's Degree Requirements 180

AIU cannot guarantee employment, salary, or career advancement. Not all programs are available to residents of all states. REQ1574570 9/20

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