

Bachelor of Science in Information Technology (BSIT)

Specialization in **Digital Investigations**



OVERVIEW

From mission-critical business systems to e-commerce and the Internet, IT is not only an industry in its own right, it's a fundamental building block of all other industries. AIU® offers an industry-current BSIT program with an in-depth specialization in Digital Investigations that's designed to give students the real-world knowledge they need to get to the next level. 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 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 digital investigations. For example:

Principles of Electronic Discovery: topics of study include finding data collection, media restoration, file and email conversion, keyword and metadata searching, filtering, and classification and presentation of data.

Digital Investigations I: students examine and utilize a variety of tools and techniques necessary to identify and document threats.

Global Investigations: students study advanced topics in digital forensics, including international organization regulations, language barriers, and rogue providers, amongst other important areas.

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
- Collect and evaluate digital crime evidence while maintaining evidence integrity and usefulness by following proper procedures

COURSEWORK

OUTCOMES

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.



AIUniv.edu

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

Bachelor of Science in Information Technology (BSIT)

Specialization 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 specialization 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 specialized 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 sought in today's competitive marketplace for digital investigation 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
ITCO327	Introduction to Mobile Technologies and Internet of Things	4.5

CORE COURSES (CONTINUED)

ITCO498	Program Capstone	4.5
MGMT412	Project Management	4.5

Total Core Requirements 58.5

DIGITAL INVESTIGATION SPECIALIZATION COURSES

ITCO299	Comprehensive IT Project	4.5
ITCO341	Applications of Discrete Mathematics and Statistics in IT	4.5
ITCO425	System Architecture and Integration	4.5
ITDI372	Introduction to Cyber Crime and Digital Investigations	4.5
ITDI375	Digital Investigations I	4.5
ITDI379	Digital Investigations II	4.5
ITDI472	Principles in Electronic Discovery	4.5
ITDI473	Network Investigations	4.5
ITDI474	Global Investigations	4.5

Total Specialization Requirements 40.5

GENERAL ELECTIVE COURSES

GEN ELEC	General Electives-Upper and Lower Division	22.5
----------	--	------

Total General Elective Requirements 22.5

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

AIUniv.edu