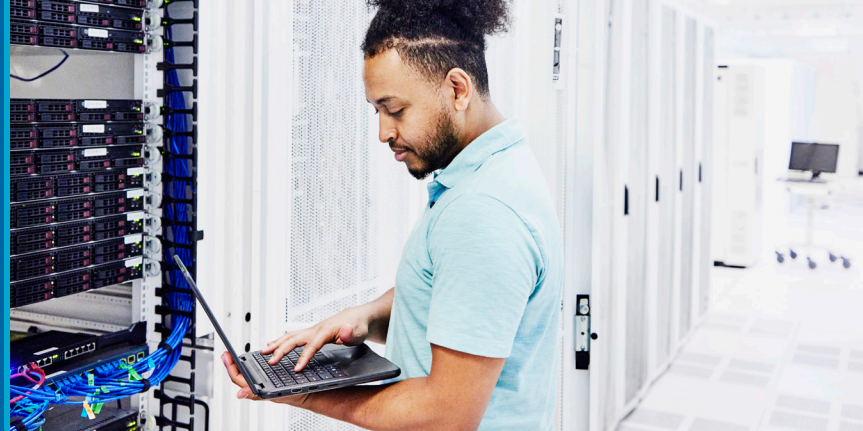


Master of Science in Information Technology (MSIT) Concentration in Cybersecurity



OVERVIEW

Information is crucial to the success of organizations and individuals. A master's degree with a cybersecurity focus can be of interest to students thinking about pursuing a career path in the fields of cybersecurity, risk analysis, disaster recovery, digital security, and cybersecurity program creation.

AIU's Master of Science in Information Technology degree with a concentration in Cybersecurity is designed to provide abilities, skills, and knowledge relevant to pursue a career path in the cybersecurity field. This program emphasizes problem-based, hands-on learning, helping students to understand the daily challenges of cybersecurity problems.

CURRICULUM INCLUDES

The cybersecurity classes offered in this program give students an opportunity to learn how to design, analyze, test, and implement systems. In this industry-focused curriculum, students can also explore software development management, global technology management, enterprise architecture, and technological innovations. The program also focuses on technical communications as well as legal and ethical issues, such as:

Global Technology Management: focuses on the global nature of technology and the management of technology in the international business environment. Key concepts can include risk management, legal and ethical issues, cooperation, and competition.

Risk Analysis and Planning: focuses on cybersecurity risk analysis and planning, which includes disaster recovery, business continuity, detection, incident response, mitigation strategies, and policies. Ethical and legal issues, vulnerability testing, capability planning, and external partnerships are also covered.

Human Factors in Cybersecurity: focuses on the human components of cyber security to include training, education, monitoring, and procedures, in addition to exploring how to mitigate risk from human factors. Students will have the opportunity to develop policies and training that address security awareness, professional integrity, and ethics.

Cybersecurity Laws and Ethics: explores the significance and enforcement of cybersecurity laws, and covers cybersecurity ethics from personal, team, organization, and national views. Students will have the opportunity to research selected cybersecurity laws and evaluate governmental controls and jurisdiction.

* Transfer credits are 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.

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.

American InterContinental University is a member of the American InterContinental University System.

The System is accredited by the Higher Learning Commission (hlcommission.org), an institutional accreditation agency recognized by the U.S. Department of Education.

COURSEWORK

AIUniv.edu

Master of Science in Information Technology

(MSIT) Concentration in Cybersecurity

The goal of the Master of Science in Information Technology degree with a concentration in Cybersecurity is to provide students with the knowledge, skills, and abilities relevant for the cybersecurity field.

INDUSTRY-FOCUSED CURRICULUM

The specialized curriculum in AIU's MSIT-Cybersecurity program allows students to study the skills needed to protect an organization's digital assets. The program may include topics such as cyber-risk management and assessments, as well as cyber-risk management strategies, policies, procedures,

business continuity, disaster recovery, human risk factors, insider threats, security programs, organizational security culture, ethical decision making, and cybersecurity laws.

TAUGHT BY EXPERIENCED PROFESSIONALS

AIU's MSIT program is taught by a team of experienced professionals who bring their real-world perspectives into the classroom. This approach can help students better understand the qualities and skills utilized in today's information technology industry.

OUTCOMES

WE CAN HELP YOU LEARN HOW TO:

- Assess and design IT architecture and systems for solutions to business needs.
- Design plans for IT projects, programs, and operations.
- Communicate technical information to internal and external stakeholders, including those with and without technical knowledge.
- Research, evaluate, and select appropriate technologies to support business requirements.
- Demonstrate the ability to manage processes specific to cybersecurity.

REQUIRED COURSES

CORE COURSES

CYB 500	Risk Analysis and Planning	4.5
CYB 510	Human Factors in Cybersecurity	4.5
CYB 520	Cybersecurity Laws and Ethics	4.5
ITCO 502	Systems Analysis and Design	4.5
ITCO 512	Advanced Technical Communication	4.5
ITCO 522	Software Development Management	4.5
ITCO 532	Global Technology Management	4.5
ITCO 542	Enterprise Architecture	4.5
ITCO 552	Innovations and Emerging Media	4.5
ITCO 592	Capstone	4.5
Total MSIT Degree Requirements		45 Credits

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