

# Master of Science in Information Technology (MSIT) Concentration in Military Defense



## OVERVIEW

In today's connected world, cybersecurity is crucial. Protecting our military defense systems is a key facet in keeping our country safe from attack. To do so, an understanding of past, modern, and future warfare can help to best identify the threads facing our country today—as well as tomorrow.

AIU's Master of Science in Information Technology degree with a concentration in Military Defense is designed to provide students with knowledge, skills, and abilities relevant for the cybersecurity field. The program's problem-based, hands-on curriculum can help you prepare for the challenges of a career path in cybersecurity.

## CURRICULUM INCLUDES

In this industry-focused curriculum, students have an opportunity to learn how to design, analyze, test, and implement systems. Through the program's military defense courses, 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.

**Modern Military Technology:** covers military technology and tactics from the middle ages to today. Emphasis is placed on ground, surface, and air power transformation. Students will have the opportunity to analyze military technologies to include vehicle, network, aircraft, warship, sensors, and communication.

**Joint Service Intelligence Technology:** covers technologies, systems, and techniques used by joint service intelligence organizations in their operations. Emphasis is placed on Command, Control, Computers, Communications, Intelligence, Surveillance, and Reconnaissance (C4ISR) in efforts to analyze, collect, and share information.

**Emerging and Future Warfare Technology:** explores emerging technologies and the future of technological solutions and support for warfare. Featured content may include hypersonic weapons, smart artillery, mini-drones, and laser weapon, stealth, and space technologies.

## 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 part of the American InterContinental University System, which is accredited by the Higher Learning Commission ([hlcommission.org](http://hlcommission.org)), a regional accreditation agency recognized by the U.S. Department of Education.



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

## COURSEWORK

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The goal of the AIU Master of Science in Information Technology degree with a concentration in Military Defense is to provide students with knowledge, skills, and abilities relevant for the military defense field.

## INDUSTRY-FOCUSED CURRICULUM

The specialized curriculum in AIU’s MSIT-Military Defense program allows you to study the skills needed to evaluate technological aspects of past, current, and future military weapons and systems. This program also allows you to analyze

offensive and defensive weapons, air power, sensors, and communications technologies used by the military and intelligence organizations.

## 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 military defense.

REQUIRED COURSES

CORE COURSES		
ITMD 500	Modern Military Technology	4.5
ITMD 510	Joint Service Intelligence Technology	4.5
ITMD 520	Emerging and Future Warfare Technology	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.  
540-20505 REQ1803163 3/22

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