

Carnegie Mellon University
Carnegie Mellon Institute
for Strategy & Technology

Master of Information Technology Strategy

To Learn More

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MITs

The Master of Information Technology Strategy (MITs) is a cooperative endeavor administered by the Carnegie Mellon Institute for Strategy & Technology (CMIST) and in partnership with the College of Engineering and the School of Computer Science.



OVERVIEW

The rapidly evolving landscape of technology and related challenges requires an understanding of the broad range of network and cyber operations, data analytics and forensics, cybersecurity, decision science, politics and strategy, international security, and the ability to apply best practices to solutions.

The MITS program offers a multidisciplinary approach, within which students obtain:

- Breadth through core coursework in each of these four areas: Data Analytics, Technology Strategy & Governance, Information Security, and Software and Networked Systems, and
- Depth through a concentration in one of those areas.

Over the course of 12- or 16-months, the MITS program helps shape students into leaders by leveraging Carnegie Mellon's broad expertise in the critical areas of AI, cybersecurity and information dominance, drawing from CMU's faculty, research centers, and degree programs of international renown.

95%

of MITS graduates are employed within three months of graduation

*CPDC Post-graduation Outcomes Survey



\$125,000

the median starting salary for MITS graduates

*CPDC Post-graduation Outcomes Survey

Unique Program Features

Concentration Areas: MITS focuses on four thematic areas collectively spanning disciplines that are essential in developing astute, knowledgeable, and practiced leaders in cybersecurity and information dominance.

Seminar: The Seminar course provides students with an opportunity to broaden their understanding of how what they learn in courses is being applied by thought leaders. As a global leader in technology and strategy, Carnegie Mellon hosts military and civilian leaders for campus-wide talks and in-depth seminars.

Capstone Project: The semester-long capstone promotes team-based engagement on a real-world problem related to MITS concentration areas. Information on past projects can be found at the MITS website (www.cmu.edu/mits).

(NEW!) Summer Internship: Students in the 16-month Applied Study program are given the opportunity to do a summer internship relevant to their field of study.

Concentration Areas

Data Analytics

To be successful, tomorrow's leaders in Information Dominance must be proficient in extracting knowledge from large data systems. Such extraction requires mastery in techniques such as machine learning, social network analysis, and large-scale data reduction and filtering.

Information Security

An understanding of cyber threats and the mitigation of their impact ensures that program graduates are equipped to address the dangers of cyber attacks.

Technology Strategy & Governance

The ability to demonstrate an understanding of the impact of emerging technologies on international and national security, strategic decision-making, governance, and policy development.

Software & Networked Systems

Developing an understanding of system and software architecture is essential for the management of safe, secure, and reliable information infrastructures.

Take a course in:

- Applied Cryptography
- Network Forensics
- Dynamic Network Analysis
- Graduate Artificial Intelligence
- Future of Warfare
- Advanced Machine Learning
- Digital Diplomacy
- Distributed Systems
- Cloud Computing
- And more!