Carnegie Mellon University
Carnegie Mellon Institute
for Strategy & Technology

Master of Science in Security, Technology, and International Relations

MS STAIR

The Master of Science in Security, Technology, and International Relations (MS STAIR) is Carnegie Mellon University's newest political science master's program.

OVERVIEW

The M.S. in Security, Technology, and International Relations (or MS STAIR) is a professional degree designed to equip students with the strategic mindset and technological acumen essential for navigating the complex landscape of technology and policy. Whether you aspire to shape the future of technology governance, lead digital transformations, or understand the geopolitical implications of emerging technologies, our programs offer the specialized knowledge and skills to propel your career to new heights.

CAREER PREPARATION

Graduates of MS STAIR are prime candidates to be employed as consultants, policy advisors, program managers and directors, program/policy analysts, operations officers, impact specialists, and data specialists within the following fields: international relations, domestic/foreign policy, global technology services, innovative technologies, politics, data science, advocacy, and global public relations.

Impact of an advanced degree in the policy/analyst job market:

- "Workers with a master's degree earn approximately **$13,000 more per year** than those with just a bachelor's degree" (U.S. Bureau of Labor Statistics- Education Pays).

- "**33%** of employers have raised educational requirements over the last five years. **33%** are hiring workers with master's degrees for positions that had been primarily held by those with four-year degrees" (careerbuilder.com).

Core Course Options:
- Emerging Technologies and International Law
- Remote Systems and the Cyber Domain in Conflict
- A Strategist's Introduction to Artificial Intelligence
- The Future of Warfare
- Space and National Security
- Click. Hack. Rule: Understanding the Power & Peril of Cyber Conflict
- Digital Diplomacy: Cybersecurity Challenges and Global Governance

Methodology Courses:
- Employing Qualitative and Quantitative Methods in Program Evaluation
- Policy Analysis, Writing, and Presentation Skills

Elective Options (short list of many provided):
- The Future of Democracy
- Democracy's Data: Analytics and Insights into American Elections
- The Politics of Fake News and Misinformation
- Cyber Policy as National Policy
- Security War Game Simulation
- Contemporary American Foreign Policy
- Nonviolent Conflict and Revolution

FACULTY SPOTLIGHTS

"Warfare is changing as a result of open technological innovation worldwide, especially in the widespread ability to mobilize, project power, and integrate systems, and so individuals in small groups have greater lethality than they used to have."

- Prof. Audrey Kurth Cronin

"I'm really excited to be here at CMIST mostly because Carnegie Mellon is such a truly interdisciplinary place, so for someone like me whose interests run from psychology to linguistics, it really is a fantastic place to gather new ideas and seek out new collaborations."

- Prof. Justin Canfil

PAST CMIST STUDENT INTERNSHIPS

- US Securities & Exchange Commission
- US Department of State
- American Foreign Policy Council
- Climate Action Campaign
- Senate Foreign Relations Committee
- The International Institute for Strategic Studies
- Potomac Institute for Policy Studies
- US Government Accountability Office
- American Association of People with Disabilities
- Niskanen Center
- Washington International Trade Association
- Congressional Offices
- Environmental Protection Agency
- Executive Office of the President
- Koch Institute
- Office of Naval Intelligence
- US Department of Defense
- United Nations Foundation
- The Wilson Center
- US Department of Commerce
- US Supreme Court
- Hudson Institute, Center for Defense Concepts and Technology
- Georgetown University Center for Security and Emerging Technologies
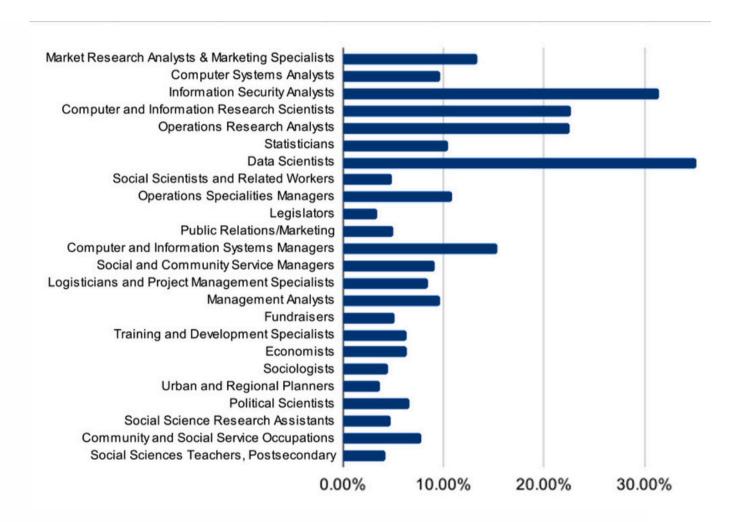
The following is a breakdown of 10-year employment projections from the Bureau of Labor Statistics for MS STAIR-related professions for 2022 to 2032:

MS STAIR ADMISSIONS INFORMATION:

- Application Window: **December 1st - March 1st**
- Fellowships Available
- Contact Dr. Mark Gardner- markgard@andrew.cmu.edu to register for upcoming Virtual Informational Sessions
- Are you a DC-based professional? Ask us about using your current position to get graduate credit towards your degree.

To Learn More

Carnegie Mellon Institute for Strategy & Technology

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For more information contact:

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