Georgia Tech · Ivan Allen College of Liberal Arts
School of Public Policy

MASTER OF SCIENCE IN CYBERSECURITY

Graduate Students Can Pursue 1 of 3 Cybersecurity Tracks

Cybersecurity is no longer just a computer programmer's problem. It touches multiple disciplines and careers and nearly all aspects of society — from public policy to energy management to product design. In a time when connected devices could outnumber humans, there is an **urgent need for 1.5 million cybersecurity professionals** who can solve a multitude of challenges. Now offered in both on-campus and online formats, you can be part of the solution from anywhere in the world.

Georgia Tech's on-campus and online **Master of Science in Cybersecurity** degree offers unique specializations.

Cyber Physical Systems

School of Electrical and Computer Engineering

Hone the security of physical and embedded systems with a particular focus on the energy domain.

Sample courses:
- Smart Grids
- Power System Protection
- Cyber Physical Systems Security

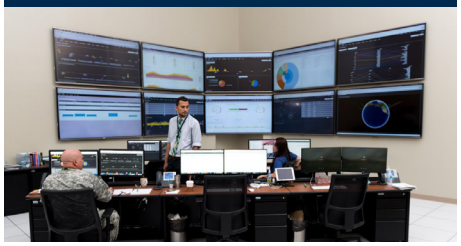
Policy

School of Public Policy

Focus on policy, law and the management of cybersecurity and privacy.

Sample courses:
- Public Policy for the Digital World
- Privacy, Technology, Policy, and Law
- Security Operations and Incident Response
- Geopolitics of Cybersecurity

Information Security



School of Cybersecurity and Privacy

Examine security principles and emerging techniques for software, computer systems and networks.

Sample courses:
- Applied Cryptography
- Network Security
- Secure Computer Systems

Complete Your Degree Online or On Campus

Georgia Tech offers the **Online Master of Science in Cybersecurity (OMS Cybersecurity)**, in collaboration with edX. This reduced-tuition program is the only interdisciplinary degree in cybersecurity offered from a university ranked in the top 10 (by *U.S. News & World Report*) for less than $10,000 tuition. Online students learn from the same faculty and take the same courses as those on campus in Atlanta.

Learn More
spp.gatech.edu

Stay Connected!
@sppgatech

Policy Track Curriculum (32 Credits)

Georgia Tech's curriculum meets standards set forth by the National Initiative for Cybersecurity Education developed by the U.S. Department of Homeland Security. Cybersecurity faculty at Georgia Tech regularly are called to lead conversations, develop standards or research solutions for organizations including the U.S. Department of Defense, law enforcement and intelligence agencies, global oil and gas companies, transportation, retail and payment providers, and more.

Required Core Courses (11 credit hours)

- CS 6035 – Introduction to Information Security
- PUBP/CS/MGT 6725 – Information Security Policies
- CS 6727 – Information Security Practicum
- One CS or ECE Cybersecurity Course

Requirements for the Policy Specialization (choose any 4)

- PUBP 6502 – Information and Communications Policy
- MGT 6726 – Privacy, Technology, Policy and Law
- PUBP 6111 – Internet and Public Policy
- INTA 6450 – Data Analytics and Cybersecurity
- CS/INTA/PUBP 8803 – Geopolitics of Cybersecurity
- PUBP 6501 – Information Policy and Management
- PUBP 6540 – Public Policy for the Digital World

Two Electives (from the following or other approved courses)

- Election Security and Democracy
- Securing the Internet Infrastructure
- Smart Grids
- Critical Infrastructure

Earn free tuition to Georgia Tech

Through the **CyberCorps® Scholarship for Service** program, students who are U.S. citizens can receive a generous scholarship with internship opportunities in exchange for an agreement to work for the U.S. government in a cybersecurity role after graduation.

Why Georgia Tech?

For nearly 20 years, the Georgia Institute of Technology has been a leader in rigorous cybersecurity degree instruction – the first to establish a College of Computing, among the first to offer a master's program for cybersecurity, and regularly recognized for top ranked, comprehensive and pioneering education. Our graduates are some of the most sought after in the world.

Career Considerations

The top three industries reporting "too few" in their security workforce are healthcare, education, and retail, according to a 2015 survey by consulting firm Frost & Sullivan.

Workforce scarcity is increasing salaries worldwide, according to the same report. Roughly 61% of information security workers in the Americas now earn $100,000 or more, up 5% from 2013; while a similar percentage in Europe and Asia-Pacific earn $80,000+, up as much as 13% since 2013.

Next Steps

- Choose the track that most interests you.
- Apply to the School within Georgia Tech offering your track. Review the application requirements on the website and apply by Feb. 15.
- Take the core curriculum of 6 credit hours, plus 3 credits from a track other than your own, and a 5-credit practicum project.
- Complete the specialization track of four courses, totaling 12 credit hours.
- Choose two additional electives, totaling 6 credit hours, for a total of 32 credit hours to earn your degree.

Contact Us

sppgradadvising@gatech.edu