Graduate Students Can Pursue 1 of 3 Cybersecurity Tracks

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

ENERGY SYSTEMS

» School of Electrical & 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:
- Internet & Public Policy
- Challenge of Terrorism
- Privacy, Technology, Policy & Law

INFORMATION SECURITY

» School of Computer Science

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

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

Cybersecurity is no longer just a computer programmer's problem, it touches multiple disciplines, 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.

HOW TO MAKE IT HAPPEN

- Choose the Track that most interests you.
- Apply to the School within Georgia Tech offering your Track. (Admissions requirements and **deadlines vary** by School.)
- 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.

More at http://cyber.gatech.edu/masters-degree

COMPLETE YOUR DEGREE ONLINE?

Georgia Tech offers the Online Master of Science in Cybersecurity (OMS Cybersecurity), in collaboration with edX. This reduced-tuition program, which begins in January 2019, 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.

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.

Healthcare	76%
Education	76%
Retail & wholesale	74%

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.

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. Come to where we're Creating the Next®...

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.

POLICY TRACK
CURRICULUM (32 CREDITS)

Required Core Courses (14 credit hours)
- » CS 6035 – Introduction to Information Security
- » PUBP 6725 – Information Security Policies (this course is also cross-listed as CS 6725 and MGT 6725
- » CS 6727 – Information Security Practicum
- » CS/ECE 6xxx

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 6014 - Scenario and Path Gaming
- » INTA 8803 - Data Analytics and Security
- » PUBP 6501 – Information Policy and Management
- » INTA 8803 Critical Infrastructure

Two Electives (from the following or other approved courses)
- » PUBP 6701 – Energy Technology & Policy
- » PUBP 6014 - Organization Theory
- » PUBP 6401 - Science, Technology and Public Policy
- » INTA 6103 - International Security
- » INTA 6015 - Technology and Military Org