Online Master of Science in Cybersecurity (32 hours)

Curriculum Grid

INTERDISCIPLINARY CORE

CORE (6 hours)

These courses should be taken near the beginning of your program.

CS 6035: Introduction to Information Security

PUBP 6725: Information Security Policies and Strategies

FLEXIBLE CORE (3 hours)

Select one required course from a track that is different from the track in which you are enrolled.
*Please note that **CS 6750:** Human Computer Integration is an elective for Policy students ONLY for a flexible core option.

TRACK (18 hours)

REQUIRED COURSES (12 hours)

(select 4 courses from this list)

INFORMATION SECURITY	CYBER-PHYSICAL SYSTEMS	POLICY
CS 6260: Applied Cryptography **CS 6238:** Secure Computer Systems **CS 6262:** Network Security **Information Security Lab:** **CS 6265:** Information Security Lab: Reverse Engineering and Binary Exploitation **-OR-** **CS 6264:** Information Security Lab: System and Network Defenses	**ECE 6320:** Power Systems Control and Operation **ECE 6374:** Cyber-Physical Electric Energy Systems **ECE 8813:** Introduction to Cyber-Physical Systems Security **ECE 8823:** Cyber Physical Design and Analysis	**INTA 6103:** International Security **INTA 6450:** Big Data and Security **MGT 6727:** Privacy for Professionals **PUBP 6501:** Information Policy and Management **PUBP 6502:** Information and Communications Technology Policy **PUBP 8803:** Security Incidence Response **PUBP 8813:** Public Policy for the Digital World **PUBP 8823:** Geopolitics of Cybersecurity **PUBP 8833:** Enterprise Cybersecurity Management

ELECTIVE COURSES (6 hours)

(select 2 courses from this list)

INFORMATION SECURITY	CYBER-PHYSICAL SYSTEMS	POLICY
CS 6210: Advanced Operating Systems **CS 6239:** Enterprise Cybersecurity Management **CS 6250:** Computer Networks **CS 6261:** Security Operations and Incident Response **CS 6264:** Information Security Lab: System and Network Defenses **CS 6265:** Information Security Lab: Reverse Engineering and Binary Exploitation **CS 6300:** Software Development Process **CS 6400:** Database System Concepts & Design **CS 6747:** Advanced Topics in Malware Analysis	**ECE 6323:** Power System Protection **ECE 6747:** Advanced Topics in Malware Analysis **ECE 8833:** Enterprise Cybersecurity Management **ECE 8843:** Side-Channels and Their Role in Cybersecurity	These two electives can be taken from any track, including the courses listed in the Policy track. **INTA 6742:** Modeling, Simulation and Military Gaming

PRACTICAL EXPERIENCE (5 hours)

(Prerequisites: a minimum of 8 courses, including the core prior to enrollment, and a permit. Info Sec students must also complete either CS 6265 or CS 6264.)

CS/ECE/PUBP 6727: Practicum

All courses are 3 credit hours, apart from the 5-credit hour practicum.
Schedule is subject to change.

Georgia Tech