

**MASTER OF SCIENCE IN CYBERSECURITY
(MSCSEC) COURSEWORK PLANNING WORKSHEET
January 2020**

This sheet is for planning purposes. It should **not** be submitted to the ECE Graduate Affairs Office for approval. All coursework plans must be filed on the secure website: <https://secure2.ece.gatech.edu/PHP/gradforms/main.php>.

**MSCSEC Non-Thesis (Only)
with Energy Systems Track**

Core Courses:

Group I

| Course # | Course Name | Hrs | Grade | Term/Yr |
|----------------------|--|-----------|-------|---------|
| CS 6035 | Introduction to Information Security | 3 | | |
| CS/MGT PUBP 6725 | Information Security Policies | 3 | | |
| CS/ECE/ PUBP 6727 | Information Security Practicum | 5 | | |
| CS/PUBP 6XXX | Flexible core course – 3-hour course must be different from ECE’s track – (To meet this requirement, students must complete a required course from a specialization track that is different from the one in which they are enrolled). | 3 | | |
| | | | | |
| | Total Core Course Hours | 14 | | |

Energy Systems Track:

Group II

| Course # | Course Name | Hrs | Grade | Term/Yr |
|--------------|---|-----------|-------|---------|
| ECE 6320 | Power Systems Control and Operation | 3 | | |
| ECE 88x3 | Introduction to Cyber-Physical Electric Energy Systems // Cyber-Physical Security in Electric Energy Systems | 3 | | |
| ECE 88x3 | Introduction to Cyber-Physical Systems Security OR Advanced Hardware Oriented Security and Trust | 3 | | |
| ECE 8803 CPS | Cyber Physical Design and Analysis | 3 | | |
| | | | | |
| | Total ECE Track Hours | 12 | | |

Electives:

Select Two Courses from List Below

Group III

| Course # | Course Name | Hrs | Grade | Term/Yr |
|----------|---|----------|-------|---------|
| ECE 6550 | Linear Systems and Controls | 3 | | |
| ECE 6607 | Computer Communication Networks | 3 | | |
| ECE 6615 | Sensor Networks | 3 | | |
| ECE 6102 | Dependable Distributed Systems | 3 | | |
| ECE 88x3 | Advanced Computer Security | 3 | | |
| ECE 6323 | Power System Protection | 3 | | |
| ECE 88x3 | Principles of Smart Electricity Grids // Smart Electricity Grids | 3 | | |
| ECE 88x3 | Software Vulnerabilities and Security // Advanced Topics in Malware Analysis | 3 | | |
| ECE 88x3 | Side-Channels and Their Role in Cybersecurity | 3 | | |
| | Total Elective Hours | 6 | | |

TOTAL DEGREE REQUIREMENTS

32