Flow Chart for TSE Track with Coursework Option

- **Fall 1 (9)**
  - CS 4471/5471 (3) Computer Security
  - EE 4723 (3) Network Security
  - CS 4710 (3) Model Driven Software Development

- **Spring 1 (9)**
  - CS 5000 (3) National Cybersecurity Policy and Law
  - MA 3203 (3) Cryptography
  - CS 5740 (3) Development of Trusted Software

- **Fall 2 (12)**
  - CS 5472 (3) Advanced Topics in Computer Security
  - CS 5321 (3) Advanced Algorithms
  - Elective (3)

- **Required Total: 30**

Color Reference Chart:
- Yellow = Core
- Blue = Concentration
- Orange = Elective
Flow Chart for TSK Track with Thesis Option

**Fall 1 (9)**
- CS 4471/5471 (3)
  Computer Security
- EE 4723 (3)
  Network Security
- CS 4710 (3)
  Model Driven Software Development

**Spring 1 (9)**
- CS 5000 (3)
  National Cyber Security Policy and Law
- MA 3203 (3)
  Cryptography

**Summer 1 (3)**
- Thesis Research (3)

**Fall 2 (9)**
- CS 5472 (3)
  Advanced Topics in Computer Security
- CS 5321 (3)
  Advanced Algorithms
- CS 5740 (3)
  Development of Trusted Software
- Thesis Research (3)

**Required Total: 30**

**Color Reference Chart:**
- Yellow = Core
- Teal = Concentration
- Orange = Thesis Research
Flow Chart for TSK Track with Report Option

**Fall 1 (9)**
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- CS 4710 (3) Model Driven Software Development

**Spring 1 (9)**
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography

**Summer 1 (3)**
- Report Research or Coursework (3)

**Fall 2 (9)**
- CS 5472 (3) Advanced Topics in Computer Security
- CS 5321 (3) Advanced Algorithms
- CS 5740 (3) Development of Trusted Software

Required Total: 30

Color Reference Chart:
- Yellow = Core
- Teal = Concentration
- Orange = Report Research
Flow Chart for CIP Track with Coursework Option

**Fall 1 (9)**
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- EE 5500 (3) Probability and Stochastic Processes

**Spring 1 (9)**
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography
- EE 5231 (3) Energy Control Center Applications

**Fall 2 (12)**
- EE 5455 (3) Cybersecurity for Industrial Control Systems
- EE 5451 (3) Risk Assessment for Critical Infrastructure Protection
- Elective or (3)

**Elective (3)**

**Total: 30**

**Color Reference Chart:**
- Light yellow = Core
- Blue = Concentration
- Orange = Elective
Flow Chart for CIP Track with Thesis Option

Fall 1 (9)
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- EE 5500 (3) Probability and Stochastic Processes

Spring 1 (9)
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography

Summer 1 (3)
- Thesis Research (3)

Fall 2 (9)
- EE 5455 (3) Cybersecurity for Industrial Control Systems
- EE 5451 (3) Risk Assessment for Critical Infrastructure Protection

Required Total: 30
- Thesis Research (3)

Color Reference Chart:
- Yellow = Core
- Teal = Concentration
- Orange = Thesis Research
Flow Chart for CIP Track with Report Option

Fall 1 (9)
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- EE 5500 (3) Probability and Stochastic Processes

Spring 1 (9)
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography

Summer 1 (3)
- Report Research or Coursework (3)

Fall 2 (9)
- EE 5455 (3) Cybersecurity for Industrial Control Systems
- EE 5451 (3) Risk Assessment for Critical Infrastructure Protection
- Report Research (3)

Required Total: 30

Color Reference Chart:
- Yellow = Core
- Teal = Concentration
- Orange = Report Research
Flow Chart for NSM Track with Coursework Option

Fall 1 (9)
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- SAT 5111 (3) Security and Privacy

Fall 2 (12)
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography
- SAT 4812 (3) Cyber Security II
- Elective (3)

Spring 1 (9)
- SAT 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography
- SAT 4812 (3) Cyber Security II
- Elective (3)

Spring 2 (12)
- SAT 5816 (3) Digital Forensics
- SAT 5281 (3) Healthcare Security Management

Required Total: 30
Flow Chart for NSM Track with Report Option

Fall 1 (9)
- CS 4471/5471 (3) Computer Security
- EE 4723 (3) Network Security
- SAT 5111 (3) Security and Privacy

Spring 1 (9)
- CS 5000 (3) National Cyber Security Policy and Law
- MA 3203 (3) Cryptography
- SAT 4812 (3) Cyber Security II

Summer 1 (3)
- Report Research or Coursework (3)

Fall 2 (9)
- SAT 5816 (3) Digital Forensics
- SAT 5281 (3) Healthcare Security Management
- Report Research (3)

Required Total: 30

Color Reference Chart:
- Yellow = Core
- Blue = Concentration
- Orange = Report Research