Cybersecurity Minor

Required: Foundation courses (4 required)

- VIA 2111 AND VIA 2112 Digital Life Technology I AND II 
  OR 
  CSC 3010 Overview of Cybersecurity 
- CSC 1051 AND CSC 1052 – Algorithms & Data Structures I AND II 
  OR 
  ECE 1620 Engineering Programming & Applications AND ECE 2620 C++ Algorithms & Data Structures 
- CSC 1300 Discrete Structures

Component I: Core courses (choose 3)

- CSC 3080 Information Security & Protection 
  (CSC 2400 or ECE 2042 prerequisite) 
- CSC 4450 Digital Forensics 
  (CSC 2400 or ECE 2042 prerequisite) 
- ECE 3476 Computer & Network Security 
  (ECE 4470 or CSC 2405 pre/corequisites) 
- ECE 5478 Engineering Secure Cyber-Physical Systems 
- *ECE 5900 Special Topics 
- *CSC 5930 Topics Computer Science 
- *CSC 5993 Independent Study (must be approved) 
  OR 
  *ECE 5991 Electrical Engineering Research I (must be approved)

Component II: Elective courses (choose 1 or 1 additional from Component I)

- ECE 3445 Computer Architecture 
  (ECE 2044 and ECE 2045 prerequisites) 
- ECE 4470 Computer Networks 
  (ECE 1620 prerequisite) 
- CSC 4480 Principles of Database Systems 
  ((CSC 1051 or ECE 1620) and (CSC 1300 or MAT 2600) prerequisites) 
- CSC 4700 Software Engineering 
  (CSC 1052 prerequisite) 
- CSC 4800 Web Application Development 
  (CSC 2053 prerequisite) 
- CSC 4900 Computer Networks 
  (CSC 2045 or CSC 1600 prerequisite)

Component III: Capstone project (choose 1)

* CSC 4790 Senior Projects (CSC 4700 prerequisite) 
* ECE 4971 Senior Design Project (ECE 3971 prerequisite)

*must be in the cybersecurity area and approved by the cybersecurity minor curriculum committee

The courses selected must include at least 2 courses outside of the student’s major that are not listed as specific requirements for their major