

CHECK SHEET  
Cybersecurity Minor  
College of Engineering  
Bradley Department of Electrical & Computer Engineering

Students graduating in Spring 2019

Two minor core courses:<sup>1</sup>

- ECE 4560: Applied Computer and Network Security Fundamentals \_\_\_ (3)  
(Pre: ECE 4564 or CS 3214)  
CS 4264: Principles of Computer Security \_\_\_ (3)  
(Pre: CS 3214 or (ECE 2500, ECE 3574))

One of the following group (networks):

- ECE 4564: Network Application Design \_\_\_ (3)  
(Pre: ECE 2504, ECE 2574)  
CS 3754: Cloud Software Development \_\_\_ (3)  
(Pre: CS 2114)  
CS 4254: Computer Network Arch and Programming \_\_\_ (3)  
(Pre: CS 3214)  
ECE 4614: Telecommunication Networks \_\_\_ (3)  
(Pre: ECE 2504, ECE 2704, STAT 4714)

One of the following group (systems):

- CS 3214: Computer Systems \_\_\_ (3)  
(Pre: CS 2506, CS 2114)  
CS/ECE 4504: Computer Organization \_\_\_ (3)  
(Pre: CS 3214)  
ECE 3574: Applied Software Engineering \_\_\_ (3)  
(Pre: ECE 2574)

One of the following group (interdisciplinary):

- ACIS 4684: Information Systems Security and Assurance \_\_\_ (3)  
(Pre: ACIS 4554 or BIT 4554)  
BIT 4614 Information Security \_\_\_ (3)  
(Pre: ACIS 4554 or BIT 4554)  
FIN 4014: Internet, Electronic, and Online Law \_\_\_ (3)  
(Pre: None)  
MATH 4175: Cryptography \_\_\_ (3)  
(Pre: One Math course at or above 3000 level)  
MATH 4176: Cryptography \_\_\_ (3)  
(Pre: Math 4175)

One additional course from either the networks, systems, or interdisciplinary list

- WWW XXXX: Elective Course \_\_\_ (3)

One credit seminar course

ECE 4944 Cybersecurity Seminar (only offered Spring term)  
(Pre: ECE 2504 or CS 2505 and Senior Standing)

\_\_\_ (1)

**TOTAL**

\_\_\_ (19)

**Declaration Requirement:** Students wishing to declare their intention to complete the cybersecurity minor must first successfully complete CS 3214 OR ECE 3574. Students may declare their intention at <http://www.engr.vt.edu/undergraduate/undergraduate-changing-majors.html>

**GPA Requirement:** Students must obtain a GPA of 2.0 or better over the courses used to satisfy the requirements of the minor.

<sup>1</sup> This checksheet does not contain hidden prerequisites.