

CYBERSECURITY

Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

Must earn at least a grade of "C" in each course except for most University Core courses.

FRESHMAN YEAR

FALL		SPRING	
MATH 1710, Calculus 1 (see note 1)	4	MATH 1720, Calculus II (MATH 1710)	3
CHEM 1410, Chemistry I (see note 2)	3	CSCE 1045, Computer Programming II (CSCE 1035, MATH 1710)	3
CHEM 1430, Chemistry I Lab (see note 2)	1	TECM 2700, Technical Writing (Communication Core)	3
CSCE 1035, Computer Programming I (see note 3)	4	CHEM 1420, Chemistry II (see note 2)	3
Communication Core Course	<u>3</u>	CHEM 1440, Chemistry II Lab (see note 2)	<u>1</u>
Total Hours	15	Total Hours	13

SOPHOMORE YEAR

FALL		SPRING	
MATH 2700, Linear Algebra (MATH 1720)	3	MATH 3680, Applied Statistics (MATH 1710, Co MATH 1720)	3
PHYS 1710, Mechanics (MATH 1710)	3	PHYS 2220, Elec. & Magnet (MATH 1720, PHYS 1710, 1730)	3
PHYS 1730, Mechanics Lab (MATH 1710)	1	PHYS 2240, Elec. & Magnet Lab (MATH 1720, PHYS 1710, 1730)	1
CSCE 2100, Foundations of Computing I (CSCE 1045)	3	CSCE 2550, Foundations of Cybersecurity (CSCE 1045)	3
CSCE 2110, Foundations of Computing II (CSCE 1045)	3	CSCE 3600, Systems Programming (CSCE 2110)	3
University Core Course	<u>3</u>	University Core Course	<u>3</u>
Total Hours	16	Total Hours	16

JUNIOR YEAR

FALL		SPRING	
CSCE 3530, Intro. to Computer Networks (CSCE 3600)	3	CSCE 4357, Database Systems Security (CSCE 3550)	3
CSCE 3550, Intro. to Computer Security (CSCE 3600)	3	CSCE 4535, Intro. to Network Admin. (CSCE 3530)	3
CSCE 4010, Social Issues in Computing (CSCE 3600)	3	CSCE 4560, Secure Electronic Commerce (CSCE 2100)	3
Advanced Supporting Elective	3	CSCE 4570, Information Privacy (CSCE 3550)	3
University Core Course	<u>3</u>	University Core Course	<u>3</u>
Total Hours	15	Total Hours	15

SENIOR YEAR

FALL		SPRING	
CSCE 4907, Cybersecurity Capstone I (Co CSCE 4565)	3	CSCE 4927, Cybersecurity Capstone II (CSCE 4907)	3
CSCE 4565, Secure Software Systems (CSCE 3550)	3	Advanced Supporting Elective	3
Advanced Supporting Elective	3	Advanced Supporting Elective	3
University Core Course	3	University Core Course	3
University Core Course	<u>3</u>	Misc. Elective to reach 120 hours (if needed)	<u>3</u>
Total Hours	15	Total Hours	15

Notes:

Note 1: MATH 1710 requires one of the following a prerequisite: completion of MATH 1650 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: CHEM 1410 & 1430 require MATH 1100, College Algebra (or higher) as prerequisite. There is no prerequisite for BIOL. CHEM 1420 & 1440 require CHEM 1410 as prerequisite.

Note 3: CSCE 1035 requires completion of MATH 1650, Pre-Calculus, or co-enrollment in MATH 1710, Calculus I (or higher) as prerequisite.

Must earn at least a grade of "C" and a minimum 2.5 GPA in CSCE 1035, CSCE 1045, CSCE 2100, CSCE 2550, & MATH 1710 as foundations to enroll in advanced courses.

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.