COMPUTER SCIENCE

Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

FRESHMAN YEAR

FALL		SPRING	
MATH 1710, Calculus I (see note 1)	4	MATH 1720, Calculus II (MATH 1710)	3
CHEM 1410 or 1415, Chemistry (see note 2)	3	CSCE 1040, Comp. Science II (CSCE 1030, MATH 1710)	3
CHEM 1430 or 1435, Chemistry Lab (see note 2)	1	TECM 2700, Tech. Writing (Communication Core)	3
CSCE 1030, Computer Science I (see note 3)	4	BIOL 1710, Biology I (see note 2)	3
Communication Core course	3	BIOL 1760, Biology Lab (see note 2)	2
Total Hours	15	Total Hours	14

SOPHOMORE YEAR

FALL		SPRING	
MATH 2700, Linear Algebra (MATH 1720)	3	MATH 1780, Probability Models (MATH 1710)	3
PHYS 1710, Mechanics (MATH 1710)	3	PHYS 2220, E. & M. (MATH 1720, PHYS 1710, 1730)	3
PHYS 1730, Mechanics Lab (MATH 1710)	1	PHYS 2240, E. & M. Lab (MATH 1720, PHYS 1710, 1730)	1
CSCE 2100, Computing Foundations I (CSCE 1040)	3	CSCE 2110, Computing Foundations II (CSCE 2100)	3
EENG 2710, Digital Logic Design	3	CSCE 2610, Assembly & Org. (CSCE 2100, EENG 2710)	3
University Core course	3	University Core course	3
Total Hours	16	Total Hours	16

JUNIOR YEAR

FALL		SPRING	
CSCE 3110, Data Structures (CSCE 2110)	3	CSCE 4010, Social Issues (CSCE 3600)	3
CSCE 3600, Systems Programming (CSCE 2100)	3	CSCE 4110, Analysis of Algorithms (CSCE 3110)	3
CSCE Elective course (see note 5)	3	CSCE Elective course (see note 5)	3
TECM course (TECM 2700)	3	CSCE Elective course (see note 5)	3
University Core course	3	University Core course	3
Total Hours	15	Total Hours	15

SENIOR YEAR

FALL		SPRING	
CSCE 4444, Software Engineering (CSCE 2110)	3	CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 6)	3
CSCE Elective course (see note 5)	3	CSCE Elective course (see note 5)	3
CSCE Elective course (see note 5)	3	CSCE Elective course (see note 5)	3
University Core course	3	University Core course	3
University Core course	3	University Core course	3
Total Hours	15	Total Hours	15

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or completion of MATH 1610 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: BIOL 1710 & 1760 has no prerequisite. CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: CSCE 1030 requires completion of or co-enrollment in MATH 1710, Calculus I(or higher) as prerequisite.

Note 4: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 5: Must complete appropriate prerequisite(s) for each CSCE Core, Breadth and/or Free elective course.

Note 6: CSCE 4901requires TECM 2700 and CSCE 4444 as prerequisite as well as CSCE 4110 as corequisite or prerequisite. CSCE 4999 requires professor consent as prerequisite.

Must earn at least a grade of "C" and a minimum 2.5 GPA in CSCE 1030, CSCE 1040, CSCE 2100, CSCE 2110, & MATH 1710 as foundations to enroll in advanced courses.

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