Computer Science, BS (Starting with Algebra)

YEAR ONE

FALL

Concepts in Algebra – MTH 1000	4 credits	Major Prerequisite Requirement
FC Core Requirement	4 credits	FC Core Requirement
FC Core Requirement	4 credits	FC Core Requirement
First Year Seminar – FYS 1947	4 credits	FC Core Requirement

Total Credits - 16

SPRING

Problem Solving with Java – CSC 1610	4 credits	Major Requirement
Pre-Calculus – MTH 1016	4 credits	Prerequisite Requirement, FC Core Requirement
FC Core Course	4 credits	FC Core Requirement
FC Core Course	4 credits	FC Core Elective

Total Credits - 16

YEAR TWO

FALL

Data Structures – CSC 2820	4 credits	Major Requirement
Discrete Mathematics – MTH 1314	4 credits	Major Requirement
Major Elective 1	4 credits	Major Requirement
FC Core Course	4 credits	FC Core Requirement

Total Credits - 16

SPRING

Object Oriented Design – CSC 2620	4 credits	Major Requirement
Databases – CSC 3810	4 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement
FC Core Course	4 credits	FC Core Elective

Total Credits - 16

YEAR THREE

FALL

Analysis of Algorithms – CSC 2710	4 credits	Major Requirement
Major Elective 2	4 credits	Major Requirement
Major Elective 3	4 credits	Major Requirement
FC Core Course	4 credits	FC Core Elective

Total Credits - 16

SPRING

Major Elective 4	4 credits	Major Requirement
Major Elective 5	4 credits	Major Requirement
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective

Total Credits - 16

YEAR FOUR

FALL

Computer Science Capstone – CSC 4910	4 credits	Major Requirement
Major Elective 6	4 credits	Major Requirement
FC Core Course	4 credits	FC Core Elective
Open Elective	4 credits	Open Elective

Total Credits - 16

SPRING

Major Elective 7	4 credits	Major Requirement
Major Elective 8	4 credits	Major Requirement
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective

Total Credits - 16

Notes: This is a sample curriculum map. Students may progress toward graduation using alternative pathways. In addition, 'FC Core Requirement' signifies that the course is required as part of the Foundations and Connections Core - the College's general education program. Please be aware that all students must take six FC Core Requirement courses (FYS, DPJ, HUM, RTS, SOSC, and STEM) and four FC Core Elective courses to satisfy the College's general education requirement.