

CURRICULUM MAP



MERRIMACK COLLEGE

Computer Engineering, BS (Algebra Start)

YEAR ONE

FALL

Concepts in Algebra - MTH 1000	4 credits	Major Requirement
First Year Seminar - FYS 1947	4 credits	FC Core Requirement (FYS)
Introduction to Engineering - GEN 1001	4 credits	Major Requirement, FC Core (STEM)
FC Core Class (RTS, DPJ, HUM, or SOSC)	4 credits	FC Core Requirement
Total Credits - 16		

SPRING

Pre-Calculus - MTH 1016	4 credits	Major Requirement
General Chemistry - CHM 1110	4 credits	Major Requirement
FC Core Class (RTS, DPJ, HUM, or SOSC)	4 credits	FC Core Requirement
Problem Solving with Python - CSC 1611	4 credits	Major Requirement
Total Credits - 16		

SUMMER

Calculus I - MTH 1217	4 credits	Major Requirement
Total Credits - 4		

YEAR TWO

FALL

Calculus II - MTH 1218	4 credits	Major Requirement
Physics I - PHY 2211	4 credits	Major Requirement
Circuit Theory I - EEN 2130	4 credits	Major Requirement
Data Structures - CSC 2820	4 credits	Major Requirement
Total Credits - 16		

SPRING

Applied Statistics and Probability - MTH 1505	4 credits	Major Requirement
Circuit Theory II - EEN 2140	4 credits	Major Requirement

Digital Fundamentals - EEN 1200	4 credits	Major Requirement
Physics II with Lab - PHY 2212	4 credits	Major Requirement
Total Credits - 16		

YEAR THREE

FALL

Analysis of Algorithms - CSC 2710	4 credits	Major Requirement
Electronics I - EEN 3210	4 credits	Major Requirement
CSC Breadth Course 1	4 credits	Major Requirement
CSC Breadth Course 2	4 credits	Major Requirement
Total Credits - 16		

SPRING

Embedded Controller Design - EEN 2270	4 credits	Major Requirement
Discrete Mathematics - MTH 1314	4 credits	Major Requirement
CSC Breadth Course 3	4 credits	Major Requirement
FC Core Class (RTS, DPJ, HUM, or SOSC)	4 credits	FC Core Requirement
Total Credits - 16		

YEAR FOUR

FALL

Discrete-Time Signals & Systems - EEN 4145	4 credits	Major Requirement
Linear Algebra - MTH 3335	4 credits	Major Requirement
Senior Seminar	4 credits	Major Requirement
Senior Design I - EEN 4960	2 credits	Major Requirement
Total Credits - 16		

SPRING

Senior Design II - EEN 4970	2 credits	Major Requirement
Senior Elective - EEN/CSC 4xxx	4 credits	Major Requirement
Required Open Elective	4 credits	Major Requirement
Senior Elective - EEN/CSC 4xxx	4 credits	Major Requirement
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.

Students must earn a C- or higher in a prerequisite for another course to enroll in the next course. For example, you must earn a C- or higher in Calculus I in order to enroll in Calculus II.

All students must accumulate 100 experiential education points through various activities such as internships, competitions, study abroad, co-op, and so on. Additionally, all seniors must take the FE exam and complete the senior exit survey.