

CURRICULUM MAP



MERRIMACK COLLEGE

Computer Engineering, BS

YEAR ONE

FALL

Intro to Engineering – EEN 1001	4 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement
Intro to College Writing – ENG 1050	4 credits	General Education Requirement
General Chemistry & Lab – CHM 1110	4 credits	Major Requirement
First Year Experience – FYE 1000	1 credit	General Education Requirement

Total Credits – 17

SPRING

Digital Fundamentals & Lab – EEN 1200	4 credits	Major Requirement
Calculus II – MTH 1218	4 credits	Major Requirement
Discrete Math – MTH 1314	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

YEAR TWO

FALL

Circuit Theory 1 & Lab – EEN 2130	4 credits	Major Requirement
Physics I & Lab – PHY 2211	4 credits	Major Requirement
Problem Solving with Java – CSC 1610	4 credits	Major Requirement
Intro to Philosophy – PHL 1000 level	4 credits	General Education Requirement

Total Credits – 16

SPRING

Circuit Theory II & Lab – EEN 2140	4 credits	Major Requirement
Embedded Controller Design – EEN 2270	4 credits	Major Requirement
Data Structures – CSC 2820	4 credits	Major Requirement
Intro to Religion – RTS 1000 level	4 credits	General Education Requirement

Total Credits – 16

YEAR THREE

FALL

Computer Architecture – CSC 4720	4 credits	Major Requirement
Physics II & Lab – PHY 2212	4 credits	Major Requirement
Electronics I & Lab – EEN 3210	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

SPRING

Analysis of Algorithms – CSC 2710	4 credits	Major Requirement
Statistics for Engineers – MTH 1505	4 credits	Major Requirement
Linear Algebra – MTH 3335	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

YEAR FOUR

FALL

Operating Systems – CSC 3320	4 credits	Major Requirement
CSC/EEN Advanced Major Elective	4 credits	Major Requirement
Discrete Time Signals & Systems – EEN 4145	4 credits	Major Requirement
Design Project I – EEN 4960	2 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 18

SPRING

Data Networking – CSC 3935	4 credits	Major Requirement
Open Elective	4 credits	Open Elective
CSC/EEN Advanced Major Elective	4 credits	General Education Requirement
Design Project II – EEN 4970	2 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 18

Note: This is a sample curriculum map. Students may progress toward graduation using alternative pathways.