

CURRICULUM MAP



MERRIMACK COLLEGE

Electrical Engineering, BS

YEAR ONE

FALL

Intro to Engineering – GEN 1001	4 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement
Intro to College Writing – ENG 1050	4 credits	General Education Requirement
Intro to Philosophy – PHL 1000 level	4 credits	General Education Requirement
First Year Experience – FYE 1050	1 credit	General Education Requirement

Total Credits – 17

SPRING

Digital Fundamentals – EEN 1200	4 credits	Major Requirement
Calculus II – MTH 1218	4 credits	Major Requirement
General Chemistry – CHM 1110	4 credits	Major Requirement
Religion – RTS 1000 level	4 credits	General Education Requirement

Total Credits – 16

YEAR TWO

FALL

Circuit Theory 1 – EEN 2130	4 credits	Major Requirement
Physics I – PHY 2211	4 credits	Major Requirement
Problem Solving with Python – CSC 1611	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

SPRING

Circuit Theory II – EEN 2140	4 credits	Major Requirement
Embedded Controller Design – EEN 2270	4 credits	Major Requirement
Statistics for Engineers – MTH 1505	4 credits	Major Requirement
Physics II – PHY 2212	4 credits	Major Requirement

Total Credits – 16

YEAR THREE

FALL

Electronics I – EEN 3210	4 credits	Major Requirement
Energy, Generation, Conserv. – EEN 3270	4 credits	Major Requirement
Calculus III – MTH 2219	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

SPRING

Electronics II – EEN 3220	4 credits	Major Requirement
Eng. Electromagnetics – EEN 3430	4 credits	Major Requirement
Differential Equations – MTH 2220	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

YEAR FOUR

FALL

Advanced Major Elective I	4 credits	Major Requirement
Discrete Time Signals & Systems – EEN 4145	4 credits	Major Requirement
VLSI Design – EEN 4750	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

Advanced Major Elective II	4 credits	Major Requirement
Feedback Circuits – EEN 4270	4 credits	Major Requirement
Design Project II – EEN 4970	2 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 14

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