

CURRICULUM MAP



MERRIMACK COLLEGE

Civil 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
Intro to Philosophy – PHL 1000 level	4 credits	General Education Requirement
First Year Experience – FYE 1000	1 credit	General Education Requirement

Total Credits – 17

SPRING

Applied Statistics – MTH 1505/MTH 2527	4 credits	Major Requirement
Calculus II – MTH 1218	4 credits	Major Requirement
Physics I + Lab – PHY 2211	4 credits	Major Requirement
General Education Elective/Minor	4 credits	General Education Requirement

Total Credits – 16

YEAR TWO

FALL

Site Engineering + Lab – CEN 2001	4 credits	Major Requirement
Mechanics I (Statics) – GEN 2010	4 credits	Major Requirement
Chemistry I + Lab – CHM 1100	4 credits	Major Requirement
Calculus III – MTH 2219	4 credits	Major Requirement

Total Credits – 16

SPRING

Mechanics of Materials & Lab – GEN 2012	4 credits	Major Requirement
Fluid Mechanics & Lab – GEN 3040	4 credits	Major Requirement
Differential Equations – MTH 2220	4 credits	Major Requirement
Problem Solving w/Python – CSC 1611	4 credits	Major Requirement

Total Credits – 16

YEAR THREE

FALL

Structural Analysis – CEN 3010	4 credits	Major Requirement
Geotechnical Eng. & Lab – CEN 3020	4 credits	Major Requirement
Water Resources & Hydraulics – CEN 3045	2 credits	Major Requirement
Science/Math Elective	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 18

SPRING

Transportation Eng. & Lab – CEN 3030	4 credits	Major Requirement
Environmental Eng. & Lab – CEN 3050	4 credits	Major Requirement
Intro to Geology – CEN 2050	2 credits	Major Requirement
Religion – RTS 1000 level	4 credits	General Education Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 18

YEAR FOUR

FALL

Design Elective A	4 credits	Major Requirement
Design Elective B	4 credits	Major Requirement
Technical Elective	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

SPRING

Design Project – CEN 4901W	4 credits	Major Requirement
Design Elective C	4 credits	Major Requirement
Open CE Elective	4 credits	Major Requirement
General Ed Elective	4 credits	General Education Requirement

Total Credits – 16

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