

CURRICULUM MAP



MERRIMACK COLLEGE

Biochemistry, BS

YEAR ONE

FALL

General Chemistry 1 – CHM 1110	4 credits	Major Requirement, FC Core Requirement (STEM)
Calculus 1 – MTH 1217	4 credits	Major Requirement
Religious and Theological Studies (RTS) Course	4 credits	FC Core Requirement (RTS)
First Year Seminar – FYS 1947	4 credits	FC Core Requirement (FYS)
Total Credits – 16		

SPRING

General Chemistry 2 – CHM 1120	4 credits	Major Requirement
Calculus 2 – MTH 1218	4 credits	Major Requirement
FC Core Course Diversity, Power and Justice (DPJ)	4 credits	FC Core Requirement (DPJ)
FC Core Course Social Science (SOSC)	4 credits	FC Core Requirement (SOSC)
Total Credits – 16		

YEAR TWO

FALL

Organic Chemistry 1 – CHM 2210	4 credits	Major Requirement
Physics 1 – PHY 2211	4 credits	Major Requirement
General Biology 1 – BIO 1027	4 credits	Major Requirement
FC Core Course Humanities (HUM)	4 credits	FC Core Requirement (HUM)
Total Credits – 16		

SPRING

Organic Chemistry 2 – CHM 2220	4 credits	Major Requirement
Physics 2 – PHY 2212	4 credits	Major Requirement
Genetics – BIO 2018	4 credits	Major Requirement
FC Core Elective/Minor	4 credits	FC Core Elective
Total Credits – 16		

YEAR THREE

FALL

Analytical Chemistry – CHM 3410	4 credits	Major Requirement
Cellular Biochemistry – BIO 3037	4 credits	Major Requirement
Physical Chemistry – CHM 3570	4 credits	Major Requirement
FC Core Elective/Minor	4 credits	FC Core Elective

Total Credits – 16

SPRING

Inorganic Chemistry – CHM 2320	4 credits	Major Requirement
FC Core Elective/Minor	4 credits	FC Core Elective
FC Core Elective/Minor	4 credits	FC Core Elective
Open Elective	4 credits	Open Elective

Total Credits – 16

YEAR FOUR

FALL

Directed Research/Internship	4 credits	Major Elective
Chemistry Advanced Course	4 credits	Major Requirement
Biology Advanced Course	4 credits	Major Requirement
Open Elective	4 credits	Open Elective

Total Credits – 16

SPRING

Directed Research/Internship	4 credits	Major Elective
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective
Senior Seminar – CHM 3010	2 credits	Major Requirement

Total Credits – 18

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, SOSOC, and STEM) and four FC Core Elective courses to satisfy the College's general education requirement.