

# CURRICULUM MAP



MERRIMACK COLLEGE

## Biochemistry, BA

### 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)
<b>Total Credits – 16</b>		

#### SPRING

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

### YEAR TWO

#### FALL

Organic Chemistry – 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)
<b>Total Credits – 16</b>		

#### SPRING

Organic Chemistry 2 – CHM 2220	4 credits	Major Requirement
Physics 2 – PHY 2212	4 credits	Major Requirement
FC Core Elective/Minor	4 credits	FC Core Elective
FC Core Elective/Minor	4 credits	FC Core Elective
<b>Total Credits – 16</b>		

### YEAR THREE

#### FALL

Analytical Chemistry – CHM 3410	4 credits	Major Requirement
Cellular Biochemistry – BIO 3037	4 credits	Major Requirement
FC Core Elective/Minor	4 credits	FC Core Elective
FC Core Elective/Minor	4 credits	FC Core Elective
<b>Total Credits – 16</b>		

## SPRING

Genetics – BIO 2018	4 credits	Major Requirement
Inorganic Chemistry – CHM 2320	4 credits	Major Requirement
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective

**Total Credits – 16**

## YEAR FOUR

### FALL

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

**Total Credits – 16**

### SPRING

Advanced Chemistry Course	4 credits	Major Requirement
Directed Research/Internship	4 credits	Major 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.