

# CURRICULUM MAP



MERRIMACK COLLEGE

## Biochemistry, BA

### YEAR ONE

#### FALL

General Chemistry 1 – CHM 1110	4 credits	Major Requirement
Calculus 1 – MTH 1217	4 credits	Major Requirement
Religion – RTS 1000	4 credits	General Education Requirement
Intro to College Writing – FYW 1000	4 credits	General Education Requirement
First Year Experience – FYE 1000	1 credit	General Education Requirement

**Total Credits – 17**

#### SPRING

General Chemistry 2 – CHM 1120	4 credits	Major Requirement
Calculus 2 – MTH 1218	4 credits	Major Requirement
Philosophy – PHL 1000	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement

**Total Credits – 16**

### 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
General Education Elective	4 credits	General Education Requirement

**Total Credits – 16**

#### SPRING

Organic Chemistry 2 – CHM 2220	4 credits	Major Requirement
Physics 2 – PHY 2212	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement

**Total Credits – 16**

### YEAR THREE

#### FALL

Analytical Chemistry – CHM 3410	4 credits	Major Requirement
Cellular Biochemistry – BIO 3037	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement

**Total Credits – 16**

## SPRING

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

**Total Credits – 16**

## YEAR FOUR

### FALL

Directed Research/Internship	4 credits	Major Elective
General Education Elective	4 credits	General Education Requirement
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**

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