

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) |
| Total Credits – 16 | | |

SPRING

| | | |
|------------------------------------------|-----------|----------------------------|
| General Chemistry 2 – CHM 1120 | 4 credits | Major Requirement |
| Calculus 2 – MTH 1218 | 4 credits | Major Requirement |
| FC Core Course Culture and Society (CUS) | 4 credits | FC Core Requirement (CUS) |
| FC Core Course Social Science (SOSC) | 4 credits | FC Core Requirement (SOSC) |
| 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 |
| 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 |
| FC Core Elective/Minor | 4 credits | FC Core Elective |
| 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 |
| FC Core Elective/Minor | 4 credits | FC Core Elective |
| FC Core Elective/Minor | 4 credits | FC Core Elective |
| Total Credits – 16 | | |

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, CUS, HUM, RTS, SOOSC, and STEM) and four FC Core Elective courses to satisfy the College's general education requirement.