

Biochemistry

Degree Type

Bachelor of Science - Major

Major Requirements

Consists of 51-52 credit hours including the following courses:

Required Courses

Course Code	Title	Credits
BIOL-110	Principles of Biology I	4
BIOL-111	Principles of Biology II	4
BIOL-325	Molecular Biology of the Cell	4
CHEM-161	General Chemistry I	4
CHEM-162	General Chemistry II	4
CHEM-305	Organic Chemistry I	4
CHEM-380	Instrumental Analysis	4
CHEM-415	Physical Chemistry for the Life Sciences	3
CHEM-460	Capstone Seminar	2
BCHM-356	Biochemistry I With Lab	4
BCHM-455	Biochemistry II	3

Choose one course from each of the following sections:

Course Code	Title	Credits
CHEM-306	Organic Chemistry II	4
CHEM-310	Organic Chemistry II & Spectroscopy	5
Course Code	Title	Credits
MATH-130	Survey of Calculus	3
MATH-131	Calculus I	3
Course Code	Title	Credits
PHYS-218	College Physics I	4
PHYS-221	General Physics I	4
Total Credits		51-52

Students may not double major in biochemistry and biology or chemistry.

Students may not major in biochemistry and minor in biology.

General Education Requirement

The following courses satisfy Bridgewater College's general education requirement for natural and physical sciences:

CHEM-102 Earth and its Environment

CHEM-161 General Chemistry I

GEOL-130 Physical Geology

Chemistry Course Prerequisites

MATH-110 or MATH-118 is a prerequisite for CHEM-125.

MATH-110 is a prerequisite for any CHEM course numbered above 125.

MATH-130 or MATH-131 is a prerequisite for all CHEM courses numbered 350 or above