

Biology-Chemistry Major

1st Year

Fall	January	Spring
CHEM-111 General Chemistry I		CHEM-113 General Chemistry II
BIOL-106 Principles of Biology I		BIOL-108 Principles of Biology II
All necessary Labs		All necessary Labs

2nd Year

Fall	January	Spring
CHEM-311 Organic Chemistry I		CHEM-312 Organic Chemistry II
PHYS-111 College Physics I or PHYS-210 General Physics I		PHYS-112 College Physics II or PHYS-220 General Physics II
		BIOL-229 Introduction to Molecular Biology
All necessary Labs		All necessary Labs

3rd Year

Fall	January	Spring
CHEM-405 Biochemistry I (Lab) (BIOL-313 Microbiology)		BIOL-422 Advanced Human Physiology (CHEM-406 Biochemistry II)
		CHEM-235 Analytical Chemistry
		All necessary Labs

Take admissions tests in spring or summer.

4th Year

Fall	January	Spring
(BIOL-364 Comparative Vertebrate Anatomy)		(BIOL-365 Cell Biology)
BIOL-395 Orientation to Research or CHEM-403 Chemical Communications		(BIOL-202 Fund. of Human Anatomy)
Necessary Lab		

Two hours from BIOL 475 Internship in Biology, BIOL 496 Research, CHEM 475 Internship in Chemistry, CHEM 496 Research, NASC 310 Medical Practicum, NASC 375 Health Science Practicum, or PHYS 499 Research

Semester Hours

58-62 Biology-Chemistry Major

38 LARC

24 Electives

120 Required

Biology-Chemistry at Manchester University

The Biology-Chemistry Major:

General Chemistry I and II

Principles of Biology I and II

College or General Physics I and II

Organic Chemistry I and II

Analytical Chemistry

Introduction to Molecular Biology

Microbiology or Cell Biology

Biochemistry I

Biochemistry I Lab or Biochemistry II

Advanced Human Physiology

Comparative Vertebrate or Fundamentals of Human Anatomy

BIOL-395 Orientation to Research or CHEM-403 Chemical Communications

Two hours from BIOL 475 Internship in Biology, BIOL 496 Research, CHEM 475 Internship in Chemistry, CHEM 496 Research, NASC 310 Medical Practicum, NASC 375 Health Science Practicum, or PHYS 499 Research

General

Research experiences both on campus and off

Academic advising with faculty

Academic science clubs

Science seminar

Mentors for shadowing experiences

After Graduation

Acceptance rates to medical, dental, vet, and pharmacy schools are high.

Admission to graduate programs for master and doctorate degrees in a wide variety of science fields.

Employment with bachelor's degree.