

Biology-Chemistry Major from 2-Year Pre-Pharmacy

Year 1

Fall	January	Spring
CHEM-111 General Chemistry I		CHEM-113 General Chemistry II
BIOL-204 Fundamentals of Human Physiology		BIOL-202 Fundamentals of Human Anatomy
All necessary labs		All necessary labs

Year 2

Fall	January	Spring
CHEM-311 Organic Chemistry I		CHEM-312 Organic Chemistry II
PHYS-111 College Physics I		PHYS-112 College Physics II
BIOL-229 Introduction to Molecular Biology		BIOL-313 Microbiology
All necessary labs		All necessary labs

Year 3

Fall	January	Spring
CHEM-405 Biochemistry I (Lab)	(BIOL-332 DNA Science)	BIOL-422 Advanced Human Physiology
(BIOL-260 Genetics)		(CHEM-406 Biochemistry II)
(BIOL-431 Immunology)		CHEM-235 Analytical Chemistry
		All necessary labs

Take admissions tests in spring or summer.

Year 4

Fall	January	Spring
BIOL-395 Orientation to Research or CHEM-403 Chemical Communications		(BIOL-356 Cell Biology)

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

NOTES

Students must take BIOL-260 Genetics, BIOL-431 Immunology, BIOL-365 Cell Biology, or BIOL-332 DNA Science to substitute for BIOL-106 Principles of Biology I.

Either Biochemistry I Lab or Biochemistry II are required.

Semester Hours

58-62 Biology-Chemistry Major

38 LARC

24 Electives

120 Required

Biology-Chemistry from 2-Year Pre-Pharm

The Biology-Chemistry Major (*from Two-Year Pre-Pharmacy*):

General Chemistry I and II

Principles of Biology I (*substituted by Genetics, Immunology, Cell Biology, or DNA Science*)

Principles of Biology II (*substituted by Fundamentals of Human Physiology*)

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 Anatomy (*substituted by 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.