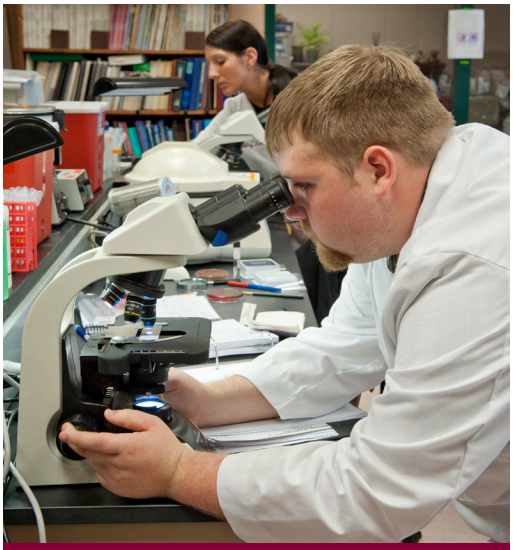
Biology Program



OVERVIEW OF THE PROGRAM:

Biology is the study of life which is a wide-ranging and rapidly growing discipline. Understanding biology requires a working knowledge of all the sciences especially chemistry and mathematics. The biology program at FSU strives to provide students with a broad based education in all fields of biology as well as a fundamental knowledge of chemistry and mathematics.

Programs for students who wish to specialize in biology include the B.A. in education where students may select biology as a teaching field, the B.S. degree with a major in biology, and the B.S. degree in biology with an emphasis in biotechnology. The B.S. degree curriculum is structured to give students some flexibility in their program by selecting advanced courses from three areas of study; Organismal Biology, Ecology or Cell and Molecular biology.

EMPLOYMENT OPPORTUNITIES:

A four year B.S. degree in biology will prepare you to compete for entry level jobs such as lab technician, wildlife biologist, research scientist or naturalist among others. While a bachelor's degree in biology will help you get a job, other careers require additional education beyond the B.S. degree. Many of our best students compete successfully for admission to graduate study at institutions across the country. A biology degree will also provide the pre-professional training required for fields such as dentistry, medicine, pharmacy, and veterinary medicine among others.

Completing the B.A. degree in education with specialization in biology AND passing the appropriate certification exam(s) will certify you to teach biology at the high school level.

The annual median wage for a Biologist is $55,300.00.

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CONTACT INFORMATION

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By selecting a minor or adding a second field of study, additional career opportunities become available. Combining a biology degree with additional study in business allows one to compete for management or marketing jobs in pharmaceutical firms and biological supply companies. Biology and computer science offers opportunities in the rapidly growing area of bioinformatics. Biology and English, journalism or art may lead to careers as a scientific writer or illustrator for highly technical journals or general (popular press) publications. The combinations are as diverse as biology itself, and you are encouraged to explore additional opportunities by consulting with your biology advisor.

BACHELOR OF SCIENCE IN BIOLOGY

MODEL SCHEDULE

FRESHMAN FIRST SEMESTER

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
CHEM	1105	CHEMICAL PRINCIPLES	5
ENGL	1101	WRITTEN ENGLISH I	3
MATH	2501	CALCULUS I	4
			16

FRESHMAN SECOND SEMESTER

BIOL	1106	BIOLOGICAL PRINCIPLES II	4
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4
COMM	2200	G.S. (OR COMM 2201 OR COMM 2202)	3
ENGL	1102	WRITTEN ENGLISH II	3
			14

SOPHOMORE FIRST SEMESTER

BIOL	2203	GENERAL ZOOLOGY	4
CHEM	2201	ORGANIC CHEMISTRY I	4
G.S.			3
G.S.			3
G.S.			3
			17

SOPHOMORE SECOND SEMESTER

BIOL	2202	GENERAL BOTANY	4
CHEM	2202	ORGANIC CHEMISTRY II	4
G.S.			3
G.S.			3
			14

JUNIOR FIRST SEMESTER

BIOL	3306	FUNDAMENTALS OF ECOLOGY	4
BIOL	3380	GENETICS	4
G.S.			3
G.S.			3
			14

JUNIOR SECOND SEMESTER

BIOL	3368	ANIMAL PHYSIOLOGY	4
-OR-			
BIOL	3370	PLANT PHYSIOLOGY	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
BIOL ELECTIVE			4
G.S./ELECTIVE			4
			16

SENIOR FIRST SEMESTER

BIOL ELECTIVE			4
BIOL ELECTIVE			4
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			14

SENIOR SECOND SEMESTER

BIOL	4485	SENIOR SEMINAR	2
G.S./ELECTIVE			3
G.S./ELECTIVE			4
G.S./ELECTIVE			3
G.S./ELECTIVE			3
			15

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