

BIOLOGY MAJOR

Pre-Health Program

This worksheet is a guide to supplement your degree audit in Degree Works. All students need 32 FSU course-credits to graduate. For students who change majors or enter FSU with transfer credits your degree audit may appear differently, as previous coursework could fulfill Domains and Free Electives. Please see your Advisor and/or The Advising Center with any questions.

DOMAIN GENERAL EDUCATION (11 Courses Required):

The FSU General Education program consists of 11 requirements. In the Biology major Domain II-B is satisfied through completion of the major (X). One (1) additional subdomain is met by a specific course in the major (see below), leaving nine (9) courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog (p. 256) for full information.

Common Core

- _____ A. ENWR 110 Composition II
 _____ B. MATH/STAT XXX (credit-bearing): MATH 180*

Domain I

- _____ A. Creative Arts: _____
 _____ B. Humanities: _____
 _____ C. Language: _____

Domain II

- _____ A. Analysis, Modeling, Problem-Solving
 _____ B. Natural Sciences (2): Non-Lab Science: _____
 _____ X _____ Lab Science

Domain III

- _____ A. Perspectives on the Past: _____
 _____ B. Perspectives on Contemporary World: _____
 _____ C. Global Competency, Ethical Reasoning,
 and/or Human Diversity: _____

X = Fulfilled through completion of major
 * = Required course in the major

MAJOR COURSES (19):

Required Core Courses (11):

_____	BIOL 125	The Biology Experience
_____	BIOL 135/135L	Foundations of Biological Science with Lab
_____	BIOL 208/208L	Genetics with Lab
_____	BIOL 230	Professional Communication in Biology
_____	BIOL 262/262L	Molecular Biology with Lab
_____	BIOL 402	Processes of Organic Evolution
_____	CHEM 107/107L	Principles of Chemistry with Lab
_____	CHEM 108/108L	Principles of Chemistry and Quantitative Analysis with Lab
_____	CHEM 207/207L	Organic Chemistry I with Lab
_____	MATH 180	Precalculus* (CC-B) **
_____	STAT 208	Biostatistics
_____	<u>or</u> ENVS 202	Data Analysis for Scientists

**Students proficient at the precalculus level should enroll in MATH219 Calculus 1 to satisfy the Gen. Ed. Domain Common Core Math Requirement.*

***Fulfills a General Education requirement.*

Required Capstone Course (1):

_____	BIOL 460	Research Experience in Biology**
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***An original research project is required of all Biology Majors. Prior to enrollment in BIOL469 Research Experience in Biology, the student should meet with their academic advisor and with other Biology faculty to tailor the research project to the student's interests and career goals.*

Pre-Health Concentration (7):

Physiology Elective (choose 1):

_____	BIOL 235/235L	Principles of Human Physiology with Lab
_____	BIOL 241/241L	Human Anatomy and Physiology I with Lab

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Additional Biology or Physiology Electives (choose 3):

_____	BIOL 228/228L	Microbiology with Lab
_____	BIOL 233/233L	Comparative Vertebrate Anatomy with Lab
_____	BIOL 242/242L	Human Anat. and Physiology II with Lab
_____	<i>or</i> BIOL 344/344L	Animal Physiological Ecology with Lab
_____	BIOL 260/260L	Cell Biology with Lab
_____	BIOL 356	Biology of Cancer
_____	BIOL 381	Theories of Infectious Disease
_____	BIOL 426	Human Immunology
_____	BIOL 432	Vertebrate Development
_____	HLTH 302	Exercise Physiology

Biochemistry Elective (choose 1):

_____	CHEM 300/300L	Principles of Biochemistry with Lab
_____	CHEM 301/301L	Biochemistry I with Lab

Additional electives (choose 2):

_____	CHEM 208/208L	Organic Chemistry II with Lab
_____	CHEM 332/332L	Biochemistry II with Lab
_____	HLTH 222	Public Health and Epidemiology
_____	HLTH 326	Drugs, Alcohol, and Addictive Behavior
_____	MATH 219	Calculus I
_____	MATH 220	Calculus II
_____	NEUR 225	Biopsychology
_____	NEUR 380	Neuropharmacology
_____	NEUR 450	Seminar in Neuroscience
_____	NUTR 110	Fundamentals of Nutrition Science
_____	PHIL 222	Bioethics
_____	PHYS 211/211L	Principles of Physics I with Lab
_____	PHYS 212/212L	Principles of Physics II with Lab

Note: A student who selects CHEM 208/208L Organic Chemistry II with Lab, CHEM 301/301L Biochemistry I with Lab and CHEM 332/332L Biochemistry II with Lab may complete a Biochemistry minor in addition to the concentration.

Recommended:

HEAL 100	Orientation to Health-Related Professions (Non-credit)
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FREE ELECTIVES (1-4): May be used toward the recommended classes below*

_____	_____
_____	_____
_____	_____
_____	_____

**For students who plan to pursue an advanced degree in Biology, the following courses are strongly recommended:*

CHEM 300/300L	Principles of Biochemistry with Lab
MATH219	Calculus I
PHYS 201/201L	Physics for Earth and Life Scientists with Lab
<i>or</i> PHYS211/211L	Physics I with Lab AND
PHYS 212/212L	Physics II with lab