

BIOCHEMISTRY MAJOR

General Biochemistry Concentration

This worksheet is a guide to supplement your degree audit in Degree Works. All students need a minimum of 30 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 Biochemistry major Domain II-B is partially 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 Undergraduate Catalog 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 courses, 22-23 credits):

Major Core Requirements (10 courses, 12.50 credits):

_____	BIOL 130/130L	Principles of Biology with Lab
_____	<u>or</u> BIOL 135/135L	Foundations of Biological Science with Lab
_____	BIOL 208/208L	Genetics with Lab
_____	BIOL 262/262L	Molecular Biology with Lab
_____	CHEM 107/107L	Principles of Chemistry with Lab
_____	CHEM 108/108L	Principles of Chemistry & Quantitative Analysis with Lab
_____	CHEM 207/207L	Organic Chemistry I with Lab
_____	CHEM 208/208L	Organic Chemistry II with Lab
_____	CHEM 301/301L	Biochemistry I with Lab
_____	CHEM 321/321L	Instrumental Analysis with Lab
_____	CHEM 332/332L	Biochemistry II with Lab

General Biochemistry Concentration (9 courses, 9.5-10.5 credits):

_____	CHEM 218/218L	Quantitative Analytical Chemistry with Lab
_____	CHEM 318	Principles of Physical Chemistry
_____	MATH 180	Precalculus (CC-B)**
_____	PHYS 201/201L	Physics with Applications to Earth and Life Systems with Lab
_____	ENVS 202	Data Analysis for Scientists
_____	<u>or</u> STAT 157	Probability and Statistics (II-A)**
_____	<u>or</u> STAT 203	Statistics for the Natural Sciences (II-A)**

Choose four (4) from:

_____	BIOL 228/228L	Microbiology with Lab
_____	BIOL 241/241L	Human Anatomy and Physiology I with Lab
_____	BIOL 260/260L	Cell Biology with Lab
_____	BIOL 356	The Biology of Cancer
_____	BIOL 400	Trends in Biotechnology
_____	BIOL 426	Human Immunity
_____	BIOL 432	Vertebrae Development
_____	CHEM 390	Special Topics in Chemistry
_____	CHEM 401/401L	Inorganic Chemistry with Lab
_____	CHEM 480	Chemical Research I
_____	CHEM 481	Chemical Research II
_____	FDSC 405/405L	Food Analysis with Lab
_____	FDSC 408/408L	Food Chemistry with Lab

** Fulfills a General Education requirement.

FREE ELECTIVES (0)

There are no free electives available in this major.