

# BIOCHEMISTRY MAJOR

## American Chemical Society Approved 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). Two (2) additional subdomains are met by specific courses in the major (see below), leaving ***eight (8) 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 219\*

### Domain I

- \_\_\_\_\_ A. Creative Arts: \_\_\_\_\_  
 \_\_\_\_\_ B. Humanities: \_\_\_\_\_  
 \_\_\_\_\_ C. Language: \_\_\_\_\_

### Domain II

- \_\_\_\_\_ A. Analysis, Modeling, Problem-Solving: MATH 220\*  
 \_\_\_\_\_ 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, 22.50-22.75 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

#### American Chemical Society Approved Concentration Courses (9 courses, 10-10.25 credits):

_____	CHEM 303/303L	Physical Chemistry I with Lab
_____	CHEM 401/401L	Inorganic Chemistry with Lab
_____	CHEM 480	Chemical Research I
_____	CHEM 481	Chemical Research II
_____	MATH 219	Calculus I (CC-B) **
_____	MATH 220	Calculus II (II-A) **
_____	PHYS 211/211L	Principles of Physics I with Lab
_____	PHYS 212/212L	Principles of Physics II with Lab

\*\* Fulfills a General Education requirement.

#### Choose one (1) from:

_____	BIOL 260/260L	Cell Biology with Lab
_____	CHEM 218/218L	Quantitative Analytical Chemistry with Lab
_____	CHEM 304/304L	Physical Chemistry II with Lab
_____	CHEM 390	Special Topics in Chemistry

### FREE ELECTIVES:

*There are no free electives available in this major.*