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: 
   Lab Science
X

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 (18 or 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
or Env 202 Data Analysis for Scientists

*Students proficient at the precalculus level should enroll in Math 219 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**

**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.

Biotechnology Concentration (6 or 7):

Biol 260/260L Cell Biology with Lab
Chem 301/301L Biochemistry I with Lab
or Chem 300/300L Principles of Biochemistry with Lab
Phys 201/201L Physics for Earth and Life Scientists
or Phys 211/211L Principles of Physics I AND
Phys 212/212L Principles of Physics II

Continued on next page

Rev. 9.20.3
BIOLOGY MAJOR
Biotechnology Concentration

Continued from previous page

One (1) Course from Group A (see below)

_________ ________________________________________________

Group A: Cellular and Molecular Biology Electives

BIOL 218/218L  Introduction to Bioinformatics with Lab
BIOL 228/228L  Microbiology with Lab
BIOL 260/260L  Cellular Biology with Lab
BIOL 356      Biology of Cancer
BIOL 381      Theories of Infectious Diseases
BIOL 400      Trends in Biotechnology
BIOL 426      Human Immunity
BIOL 432      Vertebrate Development
CHEM 300/300L Principles of Biochemistry with Lab
CHEM 301/301L Principles of Biochemistry with Lab

Choose Two (2) additional courses from the list below:

FREE ELECTIVES (1-5): May be used toward a minor or courses from the list 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
MATH 219      Calculus I
PHYS 201/201L  Physics for Earth and Life Scientists with Lab
or PHYS 211/211L Physics I with Lab AND
PHYS 212/212L  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 Biotechnology Concentration.

Note: If the student is enrolled in the PSM 4+1 program up to two (2) of the science graduate courses may be used toward this concentration in place of the additional courses.