

Bachelor of Science in Biology

120 credit hours

UNIVERSITY STUDIES PROGRAM (52 hours)

Introduction to College (1 hour)

____ _ SU 100 Successful Student Strategies 1

Communication (12 hours)

____ _ ENG 109 College Writing Workshop I 3
____ _ ENG 110 College Writing Workshop II 3
____ _ COM201 Effective Speaking 3
____ _ _____ 3
(Foreign Language or Communication)

Humanities (12 hours)

____ _ ENG _____ 3
(Literature)
____ _ PHIL154 Ethics 3
____ _ _____ 3
(Fine Arts/Theater Arts Elective)
____ _ _____ 3
(Humanities, Creative Writing, Fine Arts, Linguistics, Lit, Phil, or Theater Arts Elective)

Natural Science and Mathematics (9 hours)

____ _ BIO 121 Introduction to Biology 3
____ _ CHEM 211 General Chemistry I 3
____ _ MATH 120 Adv Mathematics for NS 3

Religious Studies (6 hours)

____ _ RS _____ 3
____ _ RS _____ 3

Social Sciences (12 hours)

____ _ HIST _____ 3
____ _ PSY103 Psychological Systems 3
____ _ _____ 3
(African American Studies, Anthropology, Criminal Justice, Economics, Geography, History, Pol Science, Psych, Social Science, or Sociology Elective)
____ _ _____ 3
(African American Studies, Anthropology, Criminal Justice, Economics, Geography, History, Pol Science, Psych, Social Science, or Sociology Elective)

Student Name/ID Number _____

Entry Date _____

Requirements for Biology Major (59 hours)

A grade of C or higher is required in all major courses.

Mathematics (6 hours)

____ _ MATH 231 Statistical Techniques 3
____ _ MATH 253 Calculus I 3

Chemistry (13 hours)

____ _ CHEM 212 General Chemistry II 3
____ _ CHEM 221 General Chemistry Lab I 1
____ _ CHEM 222 General Chemistry Lab II 1
____ _ CHEM 301 Organic Chemistry I 3
____ _ CHEM 302 Organic Chemistry II 3
____ _ CHEM 311 Organic Chemistry Lab I 1
____ _ CHEM 312 Organic Chemistry Lab II 1

Physics (8 hours)

____ _ PHYS 311 Classical Physics I 3
____ _ PHYS 321 Classical Physics II 3
____ _ PHYS 321 Classical Physics I Lab 1
____ _ PHYS 322 Classical Physics II Lab 1

Biology (17 hours in required courses)

____ _ BIO 123 Introduction to Biology Lab 1
____ _ BIO 122 Organismal Biology 3
____ _ BIO 124 Organismal Biology Lab 1
____ _ BIO 150 Problem Solving in Natural Science 3
____ _ BIO 349/495 Internship or Indep Research 3
____ _ BIO 369 Genetics 3
____ _ BIO 447 Biology Seminar I 3

Biology Electives (15 hours in biology electives; at least one course from group A, B, and C)

Group A

____ _ CHEM 306 Biochemistry 3
____ _ BIO 314 Intermediate Metabolism 3
____ _ BIO 453 Virology 3
____ _ BIO 465 Cell Biology 3

Group B

____ _ BIO 359 Environmental Science 3
____ _ BIO 420 Evolution 3
____ _ BIO 426 Ecology 3

Group C

____ _ BIO 305 Plant Science 3
____ _ BIO 301 Pathophysiology 3
____ _ BIO 456/457 Bacteriology 3
Bacteriology Lab 1

Other Biology electives as needed: BIO 251/253; BIO 252/254; BIO 349; BIO 408; BIO 448, BIO 490, BIO 495, BIO 256/257 (cannot be taken in addition to BIO 456/457)

General Electives (9 hours)

____ _ _____ 3
____ _ _____ 3
____ _ _____ 3