

## 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)

#### Humanities (15 hours)

\_\_\_\_ \_ ENG \_\_\_\_\_ 3

(Literature)

\_\_\_\_ \_ PHIL154 Ethics 3

\_\_\_\_ \_ PHIL101 Logic 3

\_\_\_\_ \_ \_\_\_\_\_ 3

(Fine Arts/Theater Arts Elective)

\_\_\_\_ \_ \_\_\_\_\_ 3

(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 (9 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)

### 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 312 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 375/376 Clin Anatomy and Physio 3

Clin Anatomy and Physio Lab 1

\_\_\_\_ \_ BIO 456/457 Bacteriology 3

Bacteriology Lab 1

**Other Biology electives as needed:** BIO 251/253; BIO 252/254; BIO 301; 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)**

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