



## 2022 – 2023 Bachelor of Science in Biology with a Concentration in Biomedical Sciences

Not an Official Record – Official Records from Office of Registrar

General Education Requirements	Credits
ENGL B101 or B105 ( <i>Composition &amp; Rhetoric</i> )	3
ENGL B102 or B106 ( <i>Composition &amp; Literature</i> )	3
COMM B140 or B201	3
Liberal Arts Elective <sup>1</sup>	6
HIST B101, B102, B111, B112, B115, or B116	3
Fine Arts <sup>2</sup>	3
Social/Behavioral Science	3
Foreign Language (2 courses in the same language)	6
Global Citizenship & Multicultural Understanding <sup>3</sup>	3
REACH Act "Founding Documents" ( <i>HIST B111, B430, B442, B469, or POLI B201</i> )	0-3
Program Requirements	
CHEM B111 ( <i>General Chemistry I</i> )	4
CHEM B112 ( <i>General Chemistry II</i> )	4
CHEM B333, B331L ( <i>Organic Chemistry I, Lab</i> )	4
CHEM B334, B332L ( <i>Organic Chemistry II, Lab</i> )	4
PHYS B201/B201L ( <i>General Physics I/Lab</i> ) or PHYS B211/B211L ( <i>Essentials of Physics I/Lab</i> )	4
STAT B201 ( <i>Elementary Statistics</i> )	3
Choose one sequence: <ul style="list-style-type: none"> <li>• MATH B141 (<i>Calculus I</i>) &amp; MATH B142 (<i>Calculus II</i>)</li> <li>• MATH B122 (<i>Calculus for Business Admin and Social Sciences</i>) &amp; MATH B170 (<i>Finite Mathematics</i>)</li> <li>• MATH B122 (<i>Calculus for Business Admin and Social Sciences</i>) &amp; MATH B172 (<i>Mathematical Modeling for the Life Sciences</i>)</li> <li>• MATH B141 (<i>Calculus I</i>) &amp; MATH B170 (<i>Finite Mathematics</i>)</li> <li>• MATH B141 (<i>Calculus I</i>) &amp; MATH B172 (<i>Mathematical Modeling for the Life Sciences</i>)</li> </ul>	6-8
Major Requirements	
BIOL B101 ( <i>Biological Principles I</i> )	4
BIOL B102 ( <i>Biological Principles II</i> )	4
BIOL B301 ( <i>Ecology and Evolution</i> ) with lab	4
BIOL B302 ( <i>Cell and Molecular Biology</i> ) with lab	4
BIOL B303 ( <i>Fundamental Genetics</i> )	3
BIOL B441 ( <i>Principles of Biochemistry</i> ) with lab	4
Biomedical Sciences Concentration Requirements	
Any 4 of the following 6 courses with labs: <ul style="list-style-type: none"> <li>• BIOL B405/B405L (<i>Developmental Biology/Lab</i>)</li> <li>• BIOL B430 (<i>Histology</i>)</li> <li>• BIOL B431/B431L (<i>Bacteriology/Lab</i>)</li> <li>• BIOL B435/B435L (<i>Neurobiology/Lab</i>)</li> <li>• BIOL B461/461L (<i>Medical Parasitology/Lab</i>)</li> <li>• BIOL B498 <i>Biological Research: An Introduction</i></li> </ul>	16

### Minimum Credit Hours Required for Graduation: 120 Credits

<sup>1</sup>Courses from the following disciplines: AFAM, ANTH, ARTH, ARTS, ECON, ENGL, FREN, GEOG, GERM, HIST, MUSC, PHIL, POLI, PSYC, RELG, SOCY, SPAN, COMM, THEA. IDST B260 may be used to fulfill this requirement. One-hour credits in MUSC and THEA may not be used to fulfill this requirement

<sup>2</sup>Courses from the following disciplines: ARTH, ARTS, MUSC, THEA, ENGL B180. 1-hour credits in MUSC and THEA may not be used to fulfill this requirement.

<sup>3</sup>The following courses fulfill this requirement: ANTH B102, ANTH B312, ANTH B317, ANTH B351, ANTH B352, ANTH B452, COMM B450, EDCI B322, ENGL B270, ENGL B291, ENGL B441, GEOG B121, GLST B301, GLST, B398, HIST B109, HIST B115, HIST B116, HRTM B360, NURS B330, PSYC B380, PUBH B300, RELG B203, SOCY B315, SPAN B380.