

## BIOLOGICAL SCIENCES

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

<p><b>Program Requirements</b></p> <p><b>General Education Courses - 37 Total Credit Hours</b></p> <p><b>English Composition Courses</b></p> <p>ENGL 1113 English Composition I 3 hours ENGL 1213 English Composition II 3 hours</p> <p><b>History &amp; Government Courses</b></p> <p>HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 POLI 1113 American Government 3 hours</p> <p><b>Humanities Courses</b></p> <p>Electives 6 hours One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.</p> <p><b>Mathematics Courses</b></p> <p>MATH 1513 Algebra for STEM 3 hours</p> <p><b>Science Courses</b></p> <p>BISI 1124 Biology for Majors 4 hours CHEM 1315 General Chemistry I 5 hours</p> <p><b>Computer Science Courses</b></p> <p>BSAD 1113 Digital/Financial Literacy 3 hours (or other approved computer course)</p> <p><b>Orientation Courses</b></p> <p>ORNT 1101 Freshman Orientation 1 hour</p> <p><b>General Education Elective Courses</b> 3 hours Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.</p> <p><b>Program Requirement Courses - 20 Total Hours</b></p> <p>**BISI 1314 General Botany 4 hours **BISI 1414 General Zoology 4 hours BISI 2124 Microbiology 4 hours CHEM 1414 General Chemistry II 4 hours **PHYS 1114 General Physics I 4 hours <i>Substitutions may be made with prior approval.</i></p> <p><b>Recommended Program Elective Courses - 3 Total Hours</b></p> <p>BISI 1214 Environmental Science 4 hours **BISI 2024 Entomology 4 hours BISI 2324 Comp Vertebrate Anatomy 4 hours **BISI 2403 Intro to Wildlife Conservation 3 hours MATH 1613 Plane Trigonometry 3 hours MATH 2023 Elementary Statistics 3 hours **PHYS 1214 General Physics II 4 hours NUTR 2123 Intro to Human Nutrition 3 hours HPET 2212 First Aid 2 hours</p> <p><b>Total Credit Hours 60 hours</b></p>	<p><b>Suggested Course Sequence:</b></p> <p><b>First Semester 17 Total Credit Hours</b></p> <p>ENGL 1113 English Composition I 3 hours MATH 1513 Algebra for STEM 3 hours ORNT 1101 Freshman Orientation 1 hour BISI 1124 Biology for Majors 4 hours BSAD 1113 Digital/Financial Literacy 3 hours HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877</p> <p><b>Second Semester 14 Total Credit Hours</b></p> <p>ENGL 1213 English Composition II 3 hours CHEM 1315 General Chemistry I 5 hours MATH 2023 Elementary Statistics (recommended program elective) 3 hours General Education Elective 3 hours</p> <p><b>Third Semester 15 Total Credit Hours</b></p> <p>CHEM 1414 General Chemistry II 4 hours Humanities Elective 3 hours BISI 1314 General Botany 4 hours PHYS 1114 General Physics I 4 hours</p> <p><b>Fourth Semester 14 Total Credit Hours</b></p> <p>Humanities Elective 3 hours BISI 1414 General Zoology 4 hours BISI 2124 Microbiology 4 hours POLI 1113 American Government 3 hours</p> <p><i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.</i></p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>The Associate in Science degree program in Biological Sciences prepares students to transfer to a four-year university to pursue a bachelor's degree or entry into the field of life science.</p> <p>Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.</p> <p><b>Career Opportunities</b></p> <p>Animal/Plant Production Pre-Veterinary Medical Assistant Veterinary Assistant Research Lab Assistant Pharmaceutical Sales Wildlife Technician Wildlife Production</p> <p>NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines.</p>
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