

BIOLOGICAL SCIENCES, PRE-PHARMACY OPTION

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus 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>Program Requirements</p> <p>General Education Courses - 37 Total Credit Hours</p> <p>English Composition Courses ENGL 1113 English Composition I 3 hours ENGL 1213 English Composition II 3 hours</p> <p>History & Government Courses HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 POLI 1113 American Government 3 hours</p> <p>Humanities Courses 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>Mathematics Courses MATH 1513 Algebra for STEM 3 hours</p> <p>Science Courses BISI 1124 Biology for Majors 4 hours (or) BISI 1114 General Biology CHEM 1315 General Chemistry I 5 hours</p> <p>Computer Science Courses BSAD 1113 Digital/Financial Literacy 3 hours (or other approved computer course)</p> <p>Orientation Courses ORNT 1101 Freshman Orientation 1 hour</p> <p>General Education Elective Courses 3 hours Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences. It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</p> <p>Program Requirement Courses - 19 Total Hours BISI 2104 Human Anatomy 4 hours BISI 2124 Microbiology 4 hours CHEM 1414 General Chemistry II 4 hours **MATH 2103 Elementary Calculus 3 hours **PHYS 1114 General Physics 1 4 hours <i>Substitutions may be made with prior approval.</i></p> <p>Recommended Program Elective Courses - 4 Total Hours ECON 2113 Macroeconomics 3 hours MATH 2023 Elementary Statistics 3 hours PRVD 2321 Professional Development 1 hour SPCH 1713 Intro to Oral Communications 3 hours PSYC 1113 General Psychology 3 hours PRVD 1101 Intro to Research 1 hour</p> <p>Total Credit Hours 60 hours</p>	<p>Suggested Course Sequence:</p> <p>First Semester 16 Total Credit Hours 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 CHEM 1315 General Chemistry I 5 hours</p> <p>Second Semester 16 Total Credit Hours ENGL 1213 English Composition II 3 hours HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 BSAD 1113 Digital/Financial Literacy 3 hours CHEM 1414 General Chemistry II 4 hours MATH 2103 Elementary Calculus 3 hours</p> <p>Third Semester 14 Total Credit Hours POLI 1113 American Government 3 hours Humanities Elective 3 hours PHYS 1114 General Physics I 4 hours BISI 2104 Human Anatomy 4 hours</p> <p>Fourth Semester 14 Total Credit Hours Humanities Elective 3 hours BISI 2124 Microbiology 4 hours *Program/Gen Ed Electives (2 courses) 4 hours SPCH 1713 Intro to Oral Communication 3 hours (recommended elective)</p> <p>*Hours from recommended program electives and general education electives in Science may be combined for final 6 hours required to graduate.</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>This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Pharmacy.</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>Career Opportunities Pharmaceutical Research Pharmacy Pharmaceutical Sales</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: http://www.noc.edu/act for placement guidelines.</p>
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