

## BIOLOGICAL SCIENCES, PRE-MEDICINE 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><b>Program Requirements</b></p> <p><b>General Education Courses - 37 Total Credit Hours</b></p> <p><b>English Composition Courses</b> ENGL 1113 English Composition I 3 hours ENGL 1213 English Composition II 3 hours</p> <p><b>History &amp; Government Courses</b> 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> 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> *MATH 1513 Algebra for STEM 3 hours</p> <p><b>Science Courses</b> BIOL 1124 Biology for Majors 4 hours CHEM 1315 General Chemistry I 5 hours</p> <p><b>Computer Science Courses</b> BADM 1113 Digital/Financial Literacy 3 hours (or other approved computer course)</p> <p><b>Orientation Courses</b> 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> BIOL 2104 Human Anatomy 4 hours BIOL 2124 Microbiology 4 hours CHEM 1414 General Chemistry II 4 hours **PHYS 1414 General Physics I 4 hours **PHYS 1214 General Physics II 4 hours <i>Substitutions may be made with prior approval.</i></p> <p><b>Recommended Program Elective Courses - 3 Total Hours</b> BIOL 2204 Human Physiology 4 hours COMM 1713 Intro to Oral Communications 3 hours HPET 2212 First Aid 2 hours MATH 1613 Plane Trigonometry 3 hours NUTR 2123 Intro to Human Nutrition 3 hours PRDV 1101 Intro to Research 1 hour PRDV 2321 Professional Development 1 hour PSYC 1113 General Psychology 3 hours SOC1 1113 General Sociology 3 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> ENGL 1113 English Composition I 3 hours MATH 1513 Algebra for STEM 3 hours POLI 1113 American Government 3 hours BIOL 1124 Biology for Majors 4 hours Humanities elective 3 hours ORNT 1101 Freshman Orientation 1 hour</p> <p><b>Second Semester 15 Total Credit Hours</b> ENGL 1213 English Composition II 3 hours BADM 1113 Digital/Financial Literacy 3 hours BIOL 2104 Human Anatomy 4 hours CHEM 1315 General Chemistry I 5 hours</p> <p><b>Third Semester 15 Total Credit Hours</b> HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 BIOL 2124 Microbiology 4 hours CHEM 1414 General Chemistry II 4 hours PHYS 1114 General Physics I 4 hours</p> <p><b>Fourth Semester 13 Total Credit Hours</b> Humanities Elective 3 hours PHYS 1214 General Physics II 4 hours General Education Elective 3 hours *Program Elective 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>*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM.</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 Pre-Medicine degree option is designed for the student whose goal is to be a medical doctor. Students wishing to go into a different medical field such as physical therapy should consult an academic advisor in pre-medicine about specific requirements.</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> Chiropractor Dental Hygiene Medical Doctor Funeral Science Nutrition Occupational Therapist Optometry Osteopathic Medical Research Physical Therapist Wellness Radiology/ Medical Imaging</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 by A.C.T. test scores--primary or a residual 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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