

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.)

PROGRAM REQUIREMENTS		SUGGESTED COURSE SEQUENCE		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. 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. Career Opportunities
	Credit Hours		Credit Hours	
GENERAL EDUCATION COURSES	37 TOTAL HOURS	FIRST SEMESTER	17 TOTAL HOURS	<ul style="list-style-type: none"> • Chiropractor • Dental Hygiene • Medical Doctor • Funeral Science • Nutrition • Occupational Therapist • Optometry • Osteopathic Medical • Research • Physical Therapist • Wellness • Radiology <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: ACT Northern Oklahoma College (http://www.noc.edu/act) for placement guidelines.</p>
ENGLISH COMPOSITION COURSES		ENGL 1113 English Composition I	3 hours	
ENGL 1113 English Composition I	3 hours	MATH 1513 College Algebra	3 hours	
ENGL 1213 English Composition II	3 hours	ORNT 1101 Freshman Orientation	1 hour	
HISTORY AND GOVERNMENT COURSES		POLI 1113 American Government	3 hours	
HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877	3 hours	BISI 1124 Biology for Majors	4 hours	
POLI 1113 American Government	3 hours	Humanities elective	3 hours	
HUMANITIES COURSES		SECOND SEMESTER	14 TOTAL HOURS	
Electives	6 hours	ENGL 1213 English Composition II	3 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.		BSAD 1113 Digital/Financial Literacy	3 hours	
MATHEMATICS COURSES		CHEM 1314 General Chemistry I	4 hours	
*MATH 1513 College Algebra	3 hours	BISI 2104 Human Anatomy	4 hours	
SCIENCE COURSES		THIRD SEMESTER	15 TOTAL HOURS	
BISI 1124 Biology for Majors	4 hours	HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877	3 hours	
CHEM 1314 General Chemistry I	4 hours	BISI 2124 Microbiology	4 hours	
COMPUTER SCIENCE COURSES		PHYS 1114 General Physics I	4 hours	
BSAD 1113 Digital/Financial Literacy (or other approved computer course)	3 hours	CHEM 1414 General Chemistry II	4 hours	
ORIENTATION COURSES		FOURTH SEMESTER	14 TOTAL HOURS	
ORNT 1101 Freshman Orientation	1 hour	Humanities Elective	3 hours	
GENERAL EDUCATION ELECTIVE COURSES	4 hours	PHYS 1214 General Physics	4 hours	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral Science, or Social Sciences.		General Education Elective	4 hours	
<i>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.</i>		*Program Elective	3 hours	
PROGRAM REQUIREMENT COURSES	20 TOTAL HOURS			
BISI 2124 Microbiology	4 hours	This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.		
BISI 2104 Human Anatomy	4 hours	**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
CHEM 1414 General Chemistry II	4 hours			
**PHYS 1414 General Physics I	4 hours			
**PHYS 1214 General Physics II	4 hours			
Substitutions may be made with prior approval.				
RECOMMENDED PROGRAM ELECTIVE COURSES	3 TOTAL HOURS			
GEOG 2253 World Geography	3 hours			
SOCI 1113 General Sociology	3 hours			
SPCH 1713 Intro to Oral Communications	3 hours			
PSYC 1113 General Psychology	3 hours			
MATH 1613 Plane Trigonometry	3 hours			
BISI 2204 Human Physiology	4 hours			
HPET 2212 First Aid	2 hours			
NUTR 2123 Intro to Human Nutrition	3 hours			
TOTAL CREDIT HOURS	60			
<i>*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.</i>				