

Biological Sciences, Pre-Pharmacy Option

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

PROGRAM REQUIREMENTS	Credit Hours
GENERAL EDUCATION	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I.....	3
ENGL 1213 English Composition II	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877	3
POLI 1113 American Government	3
HUMANITIES	
Electives	6
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.	
MATHEMATICS	
MATH 1513 College Algebra	3
SCIENCE	
BISI 1124 Biology for Majors (or)	
BISI 1114 General Biology	4
CHEM 1314 General Chemistry I	4
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy.....	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation	1
GENERAL EDUCATION ELECTIVES.....	4
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 <u>three</u> 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.	
PROGRAM REQUIREMENTS.....	19
BISI 2104 Human Anatomy	4
BISI 2124 Microbiology.....	4
CHEM 1414 General Chemistry II	4
**MATH 2103 Elementary Calculus	3
**PHYS 1114 General Physics I.....	4
Substitutions may be made with prior approval.	
RECOMMENDED PROGRAM ELECTIVES ...	4
ECON 2113 Macroeconomics.....	3
MATH 2023 Elementary Statistics	3
SPCH 1713 Intro to Oral Communication ..	3
PSYC 1113 General Psychology.....	3
Hours for the program electives may be combined with general education elective hours to reach the minimum total of 60 credits.	
TOTAL CREDIT HOURS.....	60

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER	15
ENGL 1113 English Composition I	3
BISI 1124 Biology for Majors.....	4
ORNT 1101 Freshman Orientation	1
CHEM 1314 General Chemistry I	4
MATH 1513 College Algebra	3
SECOND SEMESTER	16
ENGL 1213 English Composition II	3
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ...	3
BSAD 1113 Digital/Financial Literacy.....	3
CHEM 1414 General Chemistry II	4
MATH 2103 Elementary Calculus	3
THIRD SEMESTER	14
POLI 1113 American Government	3
Humanities Elective	3
PHYS 1114 Gen Physics I	4
BISI 2104 Human Anatomy	4
FOURTH SEMESTER.....	15
Humanities Elective	3
BISI 2124 Microbiology.....	4
SPCH 1713 Intro to Oral Comm	3
*Program/Gen Ed Electives	5

This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.

*Hours from recommended program electives and general education electives in Science may be combined to meet Gen Ed requirement.

**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Pharmacy. Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.

Career Opportunities
Pharmaceutical Research
Pharmacy

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 ACT 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 at <http://www.noc.edu/act> for placement guidelines.