

AGRICULTURAL SCIENCES - PRE-VET OPTION

(Note: Program requirements for this degree are offered on 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:	This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements. The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.
General Education Courses - 37 Total Credit Hours	First Semester 15 Total Credit Hours	Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.
English Composition Courses	ENGL 1113 English Composition I 3 hours	The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.
ENGL 1213 English Composition II 3 hours	MATH 1513 Algebra for STEM 3 hours	Career Opportunities
History & Government Courses	ORNT 1101 Freshman Orientation 1 hour	Animal Genetics Animal Pharmaceuticals Biotechnology Veterinary Medicine
HIST 1483 Amer. History to 1877 3 hours	AGRI 1124 Intro to Animal Sciences 4 hours	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.
(or) HIST 1493 Amer. History Since 1877	BIOL 1124 General Biology for Majors 4 hours	
POLI 1113 American Government 3 hours	Second Semester 17 Total Credit Hours	
Humanities Courses	ENGL 1213 English Composition II 3 hours	
Electives 6 hours	HIST 1483 Amer. History to 1877 3 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.	(or) HIST 1493 Amer. History Since 1877	
Mathematics Courses	BADM 1113 Digital/Financial Literacy 3 hours	
MATH 1513 Algebra for STEM 3 hours	CHEM 1315 General Chemistry I 5 hours	
Science Courses	Program elective 3 hours	
BIOL 1124 General Biology for Majors 4 hours	Third Semester 16 Total Credit Hours	
CHEM 1315 General Chemistry I 5 hours	Humanities Elective 3 hours	
Computer Science Courses	POLI 1113 American Government 3 hours	
BADM 1113 Digital/Financial Literacy 3 hours	AGRI 1113 Agricultural Economics 3 hours	
(or other approved computer course)	AGRI 1223 Intro to Plant/Soil Science 3 hours	
Orientation Courses	BIOL 2124 Microbiology 4 hours	
ORNT 1101 Freshman Orientation 1 hour	Fourth Semester 12 Total Credit Hours	
General Education Elective Courses 3 hours	Humanities Elective 3 hours	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.	CHEM 1414 General Chemistry II 4 hours	
	*Program/Gen Ed Electives (2 courses) 5 hours	
Program Requirement Courses - 18 Total Hours	*Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.	
**AGRI 1113 Agriculture Economics 3 hours	This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.	
**AGRI 1124 Intro to Animal Science 4 hours		
**AGRI 1223 Intro to Plant/Soil Science 3 hours		
BIOL 2124 Microbiology 4 hours		
CHEM 1414 General Chemistry II 4 hours		
<i>Substitutions may be made with prior approval.</i>		
Recommended Program Elective Courses - 5 Total Hours		
**BIOL 1414 General Zoology 4 hours		
**BIOL 2024 Entomology 4 hours		
COMM 1713 Intro to Oral Communications 3 hours		
**AGRI 2123 Livestock Feeding 3 hours		
**AGRI 2222 Live Animal Evaluation 2 hours		
AGRI 2523 Intro to Sheep Prod. & Mgmt 3 hours		
MATH 2023 Elementary Statistics 3 hours		
PRDV 1101 Intro to Research 1 hour		
PRDV 2321 Professional Development 1 hour		
PHYS 1114 General Physics I 4 hours		
PHYS 1214 General Physics II 4 hours		
Total Credit Hours 60 hours		