

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 ENGL 1213 English Composition II 3 hours	ENGL 1113 English Composition I 3 hours MATH 1513 Algebra for STEM 3 hours ORNT 1101 Freshman Orientation 1 hour AGRI 1124 Intro to Animal Sciences 4 hours BIOL 1124 General Biology for Majors 4 hours	
History & Government Courses HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 POLI 1113 American Government 3 hours	Second Semester 17 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 BADM 1113 Digital/Financial Literacy 3 hours CHEM 1315 General Chemistry I 5 hours Program elective 3 hours	
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.	Third Semester 16 Total Credit Hours Humanities Elective 3 hours POLI 1113 American Government 3 hours AGRI 1113 Agricultural Economics 3 hours AGRI 1223 Intro to Plant/Soil Science 3 hours BIOL 2124 Microbiology 4 hours	
Mathematics Courses MATH 1513 Algebra for STEM 3 hours	Fourth Semester 12 Total Credit Hours Humanities Elective 3 hours CHEM 1414 General Chemistry II 4 hours *Program/Gen Ed Electives (2 courses) 5 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.
Science Courses BIOL 1114 General Biology 4 hours (or) BIOL 1124 General Biology for Majors CHEM 1315 General Chemistry I 5 hours	*Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.	
Computer Science Courses BADM 1113 Digital/Financial Literacy 3 hours (or other approved computer course)	<i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.</i>	Career Opportunities Animal Genetics Animal Pharmaceuticals Biotechnology Veterinary Medicine
Orientation Courses ORNT 1101 Freshman Orientation 1 hour	**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.	
General Education Elective Courses 3 hours Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.		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: http://www.noc.edu/act for placement guidelines.
Program Requirement Courses - 18 Total Hours **AGRI 1113 Agriculture Economics 3 hours **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 Substitutions may be made with prior approval.		
Recommended Program Elective Courses-5 Total Hours **BIOL 1414 General Zoology 4 hours **BIOL 2024 Entomology 4 hours **AGRI 2123 Livestock Feeding 3 hours **AGRI 2222 Live Animal Evaluation 2 hours AGRI 2523 Intro to Sheep Prod. & Mgmt 3 hours COMM 1713 Intro to Oral Communications 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		