

## AGRICULTURAL SCIENCES

(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:	
<b>General Education Courses - 37 Total Credit Hours</b> <b>English Composition Courses</b> ENGL 1113 English Composition I 3 hours ENGL 1213 English Composition II 3 hours <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 <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. <b>Mathematics Courses</b> MATH 1483 Math Functions 3 hours (or) MATH 1513 Algebra for STEM (or) MATH 2023 Elementary Statistics <b>Science Courses</b> BIOL 1114 General Biology 4 hours (or) BIOL 1124 Gen Bio for Majors CHEM 1014 Concepts of Chemistry 4-5 hours (or) CHEM 1315 General Chemistry I (or) PHSC 1114 General Physical Science <b>Computer Science Courses</b> BADM 1113 Digital/Financial Literacy 3 hours (or other approved computer course) <b>Orientation Courses</b> ORNT 1101 Freshman Orientation 1 hour <b>General Education Elective Courses</b> 3-4 hours Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences. Note: 4th gen ed hour may be taken in Recommended Program Electives below. <b>Program Requirement Courses - 16 Total Hours</b> **AGRI 1113 Agriculture Economics 3 hours **AGRI 1124 Intro to Animal Science 4 hours **AGRI 1223 Intro to Plant/Soil Science 3 hours **AGRI 2124 Fund of Soil Science 4 hours **AGRI 2222 Live Animal Evaluation 2 hours <i>Substitutions may be made with prior approval.</i> <b>Recommended Program Elective Courses - 7 Total Hrs</b> ACCT 2103 Accounting I-Financial 3 hours ACCT 2203 Accounting II-Managerial 3 hours AGRI 1013 Introduction to Horticulture 3 hours **AGRI 2103 Agriculture Leadership 3 hours **AGRI 2123 Livestock Feeding 3 hours AGRI 2523 Intro to Sheep Prod. & Mgmt 3 hours **BIOL 1314 General Botany 4 hours **BIOL 2024 Entomology 4 hours BIOL 2403 Intro to Wildlife Conservation 3 hours COMM 1713 Intro to Oral Communication 3 hours MATH 2023 Elementary Statistics 3 hours PRVD 1101 Intro to Research 1 hour PRVD 2321 Prof. Development 1 hour <b>Total Credit Hours 60 hours</b>	<b>Suggested Course Sequence:</b> <b>First Semester 15 Total Credit Hours</b> ENGL 1113 English Composition I 3 hours MATH 1483 Math Functions 3 hours BIOL 1114 General Biology 4 hours (or) BIOL 1124 Gen Bio for Majors ORNT 1101 Freshman Orientation 1 hour AGRI 1124 Intro to Animal Sciences 4 hours <b>Second Semester 15-16 Total Credit Hours</b> ENGL 1213 English Composition II 3 hours HIST 1483 Amer. History to 1877 3 hours (or) HIST 1493 Amer. History Since 1877 CHEM 1014 Concepts in Chemistry 4-5 hours (or) CHEM 1315 General Chemistry I (or) PHSC 1114 General Physical Science BADM 1113 Digital/Financial Literacy 3 hours AGRI 2222 Live Animal Evaluation 2 hours <b>Third Semester 15 Total Credit Hours</b> POLI 1113 American Government 3 hours Humanities Elective 3 hours AGRI 1113 Agricultural Economics 3 hours AGRI 1223 Intro to Plant/Soil Science 3 hours COMM 1713 Intro to Oral Communication (program elective) 3 hours <b>Fourth Semester 14-15 Total Credit Hours</b> Humanities Elective 3 hours AGRI 2124 Fundamentals of Soil Science 4 hours *Program/Gen Ed Electives 7-8 hours (2-3 courses)  *Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.  <i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.</i>   **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 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. 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. 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. <b>Career Opportunities</b> Animal Production Agriculture Pharmaceutical Sales Animal Science Agriculture Education Animal Nutrition Research  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.