

## 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.)

<p><b>Program Requirements</b></p> <p><b>General Education Courses - 37 Total Credit Hours</b></p> <p><b>English Composition Courses</b></p> <p>ENGL 1113 English Composition I 3 hours</p> <p>ENGL 1213 English Composition II 3 hours</p> <p><b>History &amp; Government Courses</b></p> <p>HIST 1483 Amer. History to 1877 3 hours</p> <p>(or) HIST 1493 Amer. History Since 1877</p> <p>POLI 1113 American Government 3 hours</p> <p><b>Humanities Courses</b></p> <p>Electives 6 hours</p> <p>One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.</p> <p><b>Mathematics Courses</b></p> <p>MATH 1513 Algebra for STEM 3 hours</p> <p><b>Science Courses</b></p> <p>BISI 1124 General Biology for Majors 4 hours</p> <p>CHEM 1315 General Chemistry I 5 hours</p> <p><b>Computer Science Courses</b></p> <p>BSAD 1113 Digital/Financial Literacy 3 hours</p> <p>(or other approved computer course)</p> <p><b>Orientation Courses</b></p> <p>ORNT 1101 Freshman Orientation 1 hour</p> <p><b>General Education Elective Courses</b> 3 hours</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.</p> <p><b>Program Requirement Courses - 18 Total Hours</b></p> <p>**AGRI 1113 Agriculture Economics 3 hours</p> <p>**AGRI 1124 Intro to Animal Science 4 hours</p> <p>**AGRI 1223 Intro to Plant/Soil Science 3 hours</p> <p>BISI 2124 Microbiology 4 hours</p> <p>CHEM 1414 General Chemistry II 4 hours</p> <p><i>Substitutions may be made with prior approval.</i></p> <p><b>Recommended Program Elective Courses - 5 Total Hours</b></p> <p>**BISI 1414 General Zoology 4 hours</p> <p>**BISI 2024 Entomology 4 hours</p> <p>SPCH 1713 Intro to Oral Communications 3 hours</p> <p>**AGRI 2123 Livestock Feeding 3 hours</p> <p>**AGRI 2222 Live Animal Evaluation 2 hours</p> <p>AGRI 2523 Intro to Sheep Prod. &amp; Mgmt 3 hours</p> <p>MATH 2023 Elementary Statistics 3 hours</p> <p>PRDV 1101 Intro to Research 1 hour</p> <p>PRDV 2321 Professional Development 1 hour</p> <p>PHYS 1114 General Physics I 4 hours</p> <p>PHYS 1214 General Physics II 4 hours</p> <p><b>Total Credit Hours 60 hours</b></p>	<p><b>Suggested Course Sequence:</b></p> <p><b>First Semester 15 Total Credit Hours</b></p> <p>ENGL 1113 English Composition I 3 hours</p> <p>MATH 1513 Algebra for STEM 3 hours</p> <p>ORNT 1101 Freshman Orientation 1 hour</p> <p>AGRI 1124 Intro to Animal Sciences 4 hours</p> <p>BISI 1124 General Biology for Majors 4 hours</p> <p><b>Second Semester 17 Total Credit Hours</b></p> <p>ENGL 1213 English Composition II 3 hours</p> <p>HIST 1483 Amer. History to 1877 3 hours</p> <p>(or) HIST 1493 Amer. History Since 1877</p> <p>BSAD 1113 Digital/Financial Literacy 3 hours</p> <p>CHEM 1315 General Chemistry I 5 hours</p> <p>Program elective 3 hours</p> <p><b>Third Semester 16 Total Credit Hours</b></p> <p>Humanities Elective 3 hours</p> <p>POLI 1113 American Government 3 hours</p> <p>AGRI 1113 Agricultural Economics 3 hours</p> <p>AGRI 1223 Intro to Plant/Soil Science 3 hours</p> <p>BISI 2124 Microbiology 4 hours</p> <p><b>Fourth Semester 12 Total Credit Hours</b></p> <p>Humanities Elective 3 hours</p> <p>CHEM 1414 General Chemistry II 4 hours</p> <p>*Program/Gen Ed Electives (2 courses) 5 hours</p> <p><i>*Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.</i></p> <p><i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.</i></p> <p><b>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</b></p>	<p>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.</p> <p>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.</p> <p>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.</p> <p><b>Career Opportunities</b></p> <p>Animal Genetics</p> <p>Animal Pharmaceuticals</p> <p>Biotechnology</p> <p>Veterinary Medicine</p> <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: <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines.</p>
---	--	--