

**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	Credit Hours	SUGGESTED COURSE SEQUENCE	Credit Hours
<b>GENERAL EDUCATION COURSES</b>	37 TOTAL HOURS	<b>FIRST SEMESTER</b>	15 TOTAL HOURS
<b>ENGLISH COMPOSITION COURSES</b>		ENGL 1113 English Composition I	3 hours
ENGL 1113 English Composition I	3 hours	MATH 1493 Math Applications (OR)	3 hours
ENGL 1213 English Composition II	3 hours	MATH 1513 College Algebra	3 hours
<b>HISTORY AND GOVERNMENT COURSES</b>		ORNT 1101 Freshman Orientation	1 hour
HIST 1483 American History to 1877		AGRI 1124 Intro to Animal Sciences	4 hours
(OR) HIST 1493 American History Since 1877	3 hours	BISI 1114 General Biology (OR)	
POLI 1113 American Government	3 hours	BISI 1124 Gen Bio for Majors	4 hours
<b>HUMANITIES COURSES</b>		<b>SECOND SEMESTER</b>	15 TOTAL HOURS
Electives	6 hours	ENGL 1213 English Composition II	3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.		HIST 1483 American History to 1877	
<b>MATHEMATICS COURSES</b>		(OR) HIST 1493 American History Since 1877	3 hours
MATH 1493 Math Applications (OR)		BSAD 1113 Digital/Financial Literacy	3 hours
MATH 1513 College Algebra	3 hours	CHEM 1014 Concepts in Chemistry	
<b>SCIENCE COURSES</b>		(OR) CHEM 1314 General Chemistry I	4 hours
BISI 1114 General Biology (OR)		AGRI 2222 Live Animal Evaluation	2 hours
BISI 1124 Gen Bio for Majors	4 hours	<b>THIRD SEMESTER</b>	15 TOTAL HOURS
CHEM 1014 Concepts of Chemistry		Humanities Elective	3 hours
(OR) CHEM 1314 General Chemistry I	4 hours	POLI 1113 American Government	3 hours
<b>COMPUTER SCIENCE COURSES</b>		AGRI 1113 Agricultural Economics	3 hours
BSAD 1113 Digital/Financial Literacy	3 hours	AGRI 1223 Intro to Plant/Soil Science	3 hours
(or other approved computer course)		SPCH 1713 Intro to Oral Communications	3 hours
<b>ORIENTATION COURSES</b>		(program elective)	3 hours
ORNT 1101 Freshman Orientation	1 hour	<b>FOURTH SEMESTER</b>	15 TOTAL HOURS
<b>GENERAL EDUCATION ELECTIVE COURSES</b>	4 hours	Humanities Elective	3 hours
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.		AGRI 2124 Fundamentals of Soil Science	4 hours
<i>It is advised that if a student takes a three 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.</i>		*Program/Gen Ed Electives (2-3 courses)	8 hours
<b>PROGRAM REQUIREMENT COURSES</b>	16 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		
**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</b>	7 TOTAL HOURS		
**BISI 1314 General Botany	4 hours		
**BISI 1414 General Zoology	4 hours		
**BISI 2024 Entomology	4 hours		
SPCH 1713 Intro to Oral Communication	3 hours		
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. & Management	3 hours		
MATH 2023 Elementary Statistics	3 hours		
<b>TOTAL CREDIT HOURS</b>	<b>60</b>		

**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.**

**Career Opportunities**

- Animal Production
- Agricultural Pharmaceutical Sales
- Animal Science
- Agricultural 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 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: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.