

AGRICULTURE

The Division of Agriculture, located in Baker Hall, offers associate degrees (AS) that prepare graduates for transfer as juniors into bachelor's degree programs at Oklahoma State University and other institutions. In addition, the Division has two (AAS) programs and one (Certificate) program, which are designed for immediate employment in the field.

- **Agriculture (AS)**
 - Agriculture Communications
 - Agriculture Economics
 - Agriculture Education
 - Agronomy
 - Animal Science
 - Food Science
 - Pre-vet
- **Forestry (AS)**
 - Environmental/Natural Resources
 - Ecosystem/Range Management
 - Wildlife Ecology
- **Forestry Technology (AAS)**
- **Horticulture (AS)**
- **Meat Processing and Food Safety (AAS and Certificate)**

Division of Agriculture Agriculture (A.S.)

The A.S. in Agriculture is designed to outline the freshman and sophomore years of study for students who plan to transfer to Oklahoma State University or other universities to major in the wide variety of fields related to agriculture. Eastern offers seven advising tracks in agriculture. The student should choose the option that best suits his or her career and university transfer plans.

Agricultural Communications	Animal Science
Agriculture Economics	Food Science
Agriculture Education	Pre-Veterinary Medicine
Agronomy	

Orientation (1 hour)	Course	Note
I. College Success Skills (1 hour)	AG 1011 – Agriculture Orientation	This course should be taken during the student’s first semester.
General Education (41 hours)	Courses	Notes
II. Social Sciences and History (10 hours)	A. POL SC 1113 – American Federal Government B. American History: Take one of the following: HIST 1483 – American History to 1877 HIST 1493 – American History since 1877 C. AG ECON 1114 – Intro to Ag Economics	
III. Mathematics (3 hours)	MATH 1513 – College Algebra	PREREQUISITE: exemption from or exit from Developmental Math
IV. Natural Sciences (9 hours)	A. Life Science. BIOL 1114 – General Biology B. Physical Science. CHEM 1315 – General College Chemistry I*	PREREQUISITE for <i>all</i> science courses: exemption from or exit from Developmental Reading *PREREQUISITE: exemption from or exit from Developmental Math
V. Communications (12 hours)	A. Take both of the following: ENGL 1113 – Freshman Composition I* ENGL 1213 – Freshman Composition II B. SPCH 1113 – Fundamentals of Speech C. AG 2113 – Microcomputer Tech in Agriculture	*PREREQUISITE: exemption from or exit from Developmental English.
VI. Humanities (6 hours)	A. Take one of the following: HUMAN 1133 – Music in Life HUMAN 1143 – Art in Life HUMAN 1153 – Survey of World Religions HUMAN 2103 – Theatre Appreciation HUMAN 2113 – Global Humanities I HUMAN 2213 – Global Humanities II HUMAN 2223 – Intro to Global Philosophy HUMAN 2233 – World Literature I HUMAN 2243 – World Literature II B. Take one of the following: Another HUMAN course from category VI.A or HIST 2413 – Early World Civilization	PREREQUISITE for all courses with a HUMAN prefix: exemption from or exit from Developmental Reading All courses in category VI. A. has a “global” perspective. NOTE: Students planning to transfer to Texas or other schools requiring more American history might have a substitution option in the humanities field. The student

	HIST 2423 – Modern World Civilization ENGL 2413 – Introduction to Literature ENGL 2433 – World Literature I ENGL 2443 – World Literature II ENGL 2543 – English Literature I ENGL 2653 – English Literature II ENGL 2773 – American Literature I ENGL 2883 – American Literature II REL ED 2103 – Intro to Old Testament REL ED 2203 – Intro to New Testament	should discuss this with an advisor.
VII. General Education Elective (at least 1 hour)	A. Excess hour from any General Education section II, III, IV, V or VI OR B. Apply an extra hour of General Education: One hour of general education may be applied if the student takes more than 12 hours in an advising track that includes a general-education course.* OR C. Choose from the following: SPAN 1115 – Spanish I PSYCH 1113 – Introduction to Psychology	* Choice A, i.e. applying an hour from an advising track will work for agricultural majors in many cases. Students may, of course, choose additional hours in this category for personal interest or to facilitate university transfer.
Major Field Requirements (23 hours)	Courses	Notes
Courses required for ALL tracks (11 hours)	AGRON 1213 – Crop Production AGRON 2124 – Fundamentals of Soil Science ANSI 1124 – Introduction to Animal Science	
Choose ONE track (at least 12 hours)	Courses	Notes
Courses required for track in Agricultural Communications.	AG COMM 2103 – Communications in Agriculture MCOMM 1103 – Fundamentals of Photography MCOMM 1113 – Intro to Mass Communications 3 or more hours of elective with advisor approval	
Courses required for track in Agriculture Economics.	ACCT 2103 – Financial Accounting ACCT 2203 – Managerial Accounting Choose one of the following: ECON 2113 – Intro to Macroeconomics MATH 2113 – Business Statistics* Plus 3 or more hours of elective with advisor approval	*PREREQUISITE: MATH 1513
Courses required for track in Agriculture Education.	ANSI 1102 – Livestock Selection HORT 1113 – Principles of Horticulture PSY 1113 – Introduction to Psychology AGLE 2303 Agricultural Leadership Plus 1 or more hours of elective with advisor approval*	*SPAN 1115 or 1125 is recommended unless the teacher education language requirement has been otherwise met.
Courses required for track in Agronomy	AGRON 2012 – Crop Production Lab CHEM 1415 – General College Chemistry II MATH 1613 – Trigonometry Plus 2 or more hours of AGRON or ANSI elective	
Courses required for track in Animal Science (minimum 12 hours)	A. ANSI 2253 – Meat Animal & Carcass Evaluation B. Choose one of the following: CHEM 1415 – General College Chemistry II MATH 2113 – Business Statistics* or MATH 2233 – Elementary Statistics* C. Choose two of the following: ANSI 1102 – Livestock Selection ANSI 1202 – Beef Cattle Management	*PREREQUISITE: MATH 1513

	B. SPCH 1113 – Fundamentals of Speech C. AG 2113 – Microcomputer Tech. in Agriculture	
VI. Humanities (6 hours)	A. Take one of the following: HUMAN 1113 – Music in Life HUMAN 1143 – Art in Life HUMAN 1153 – Survey of World Religions HUMAN 2103 – Theatre Appreciation HUMAN 2113 – Global Humanities I HUMAN 2213 – Global Humanities II HUMAN 2223 – Intro to Global Philosophy HUMAN 2413 – Early World Civilization HUMAN 2243 – Modern World Civilization B. Take one of the following: Another HUMAN course from category VI.A or HIST 2413 – Early World Civilization HIST 2423 – Modern World Civilization ENGL 2413 – Introduction to Literature ENGL 2433 – World Literature I ENGL 2443 – World Literature II ENGL 2543 – English Literature I ENGL 2653 – English Literature II ENGL 2773 – American Literature I ENGL 2883 – American Literature II REL ED 2103 – Intro to Old Testament REL ED 2203 – Intro to New Testament	PREREQUISITE for all courses with a HUMAN prefix: exemption from or exit from Developmental Reading All courses in category VI.A. have a “global” perspective.
Major Field	Courses	Notes
Courses required for track in Forestry (23 hours)	AGRON 2124 – Fundamentals of Soil Science BOT 2134 – Dendrology BOT 1114 – General Botany if not already taken from the General Education Sciences FOREST 1123 – Introduction to Forestry FOREST 1224 – Forest Measurement FOREST 2123 – Timber Harvesting MATH 1613 – Trigonometry MATH 2233 – Elementary Statistics	
Courses required for track in Environmental Science/Natural Resources (23 hours)	A. Take ALL the following: AGRON 2124 – Fundamentals of Soil Science BIOL 2104 – Environmental Science II BOT 1114 – General Botany if not already taken from the General Education Sciences CHEM 1415 – General College Chemistry II MATH 1613 – Trigonometry MATH 2233 – Elementary Statistics B. Take ONE of the following: PHY 1114 – General Physics I SOC 1113 – Introduction to Sociology	
Courses required for track in Ecosystem/Range Management (23 hours)	AGRON 2124 – Fundamentals of Soil Science BIOL 2104 – Environmental Science II BOT 1114 – General Botany if not already taken from the General Education Sciences AGRON 1213 – Crop Production ANSI 1124 – Introduction to Animal Science PHS 1114 – General Physics I	
Courses required for Wildlife Ecology	AGRON 2124 – Fundamentals of Soil Science BIOL 2104 – Environmental Science II	

(23 hours)	ZOO 1114 – General Zoology CHEM 1415 – General College Chemistry II FOREST 1123 – Introduction to Forestry MATH 2233 – Elementary Statistics SOC 1113 – Introduction to Sociology	
Total for an Associate in Science	Minimum of 67 credit hours	The student may choose to take additional hours to facilitate transfer or to meet personal interests.

Special Note About Physical Education–Health–Wellness. Some universities have a requirement for physical education or health or wellness in their general education and/or teacher education curricula. Students should consult their advisors and the catalogs of the universities to which they intend to transfer to determine appropriate courses, if any, to take at Eastern.

Division of Agriculture Forest Technology (A.A.S.)

The AAS in Forest Technology Program is designed to outline study for students who want to enter directly into the workforce in the forestry field upon earning the associate degree. Although this A.A.S. degree is not intended for university transfer, all of the general education and several of the major field courses in the program will count toward the A.S. in Forestry, which is designed to prepare the student to go on to a bachelor's degree in forestry at Oklahoma State or other universities. The Forest Technology program is recognized by the Society of American Foresters.

Orientation (1 hour)	Course	Note
College Success Skills (1 hour)	AG 1011 – Agriculture Orientation	This course should be taken during the first semester of enrollment.
General Education (21 hours)	Courses	Notes
Social Sciences and History (6 hours)	A. POL SC 1113 – American Federal Government B. American History: Take <i>one</i> of the following: HIST 1483 – American History to 1877 HIST 1493 – American History Since 1877	
Math (3 hours)	Math 1513 – College Algebra	
Communications (9 hours)	A. Take the following: ENGL 1113 – Freshman Composition I* B. AG 2113 – Microcomputer Tech. In Agriculture C. SPCH 1113 – Fundamentals of Speech	*PREREQUISITE: exit from or exemption from Developmental English
Major Field (48 hours)	Courses	Notes
	AGRON 2124 – Fundamentals of Soil Science BIOL 2104 – Environmental Science II BOT 2134 – Dendrology BUS 1133 – Human Relations FOREST 1103 – Forest Business Methods FOREST 1123 – Introduction to Forestry FOREST 1224 – Forest Measurement FOREST 2114 – Applied Silviculture FOREST 2115 – Advanced Forest Measurements FOREST 2123 – Timber Harvesting FOREST 2132 – Forest Practices FOREST 2213 – Forest Multiple Use and Conservation FOREST 2214 – Forest Protection	

	FOREST 2992 – Special Topics in Forestry	
Total for A.A.S. in Forest Technology	Minimum of 67 hours.	Students may choose to take additional hours for career or personal interests.

Division of Agriculture Horticulture (A.S.)

The A.S. in Horticulture is designed to outline the freshman and sophomore years of study for students who plan to transfer to Oklahoma State University or other universities to major in horticulture or a related field. Eastern also offers an A.A.S. degree in Horticulture/Parks Technology for students who want to enter the career directly after earning the associate degree.

Orientation (1 hour)	Course	Note
I. College Success Skills (1 hour)	AG 1011 Agriculture Orientation	This course should be taken during the student's first semester.
General Education (41 hours)	Courses	Notes
II. Social Sciences and History (10 hours)	A. POL SC 1113 – American Federal Government B. American History: Take one of the following: HIST 1483 – American History to 1877 HIST 1493 – American History since 1877 C. AG ECON 1114	
III. Mathematics (3 hours)	MATH 1513 – College Algebra	PREREQUISITE: exemption from or exit from Developmental Math
IV. Natural Sciences (9 hours)	A. Life Science. BIOL 1114 – General Biology B. Physical Science. CHEM 1315 – General College Chemistry I*	PREREQUISITE for all science courses: exemption from or exit from Developmental Reading *PREREQUISITE: exemption from or exit from Developmental Math
V. Communications (12 hours)	A. Take both of the following: ENGL 1113 – Freshman Composition I* ENGL 1213 – Freshman Composition II B. SPCH 1113 – Fundamentals of Speech C. AG 2113 – Microcomputer Tech in Agriculture	*PREREQUISITE: exemption from or exit from Developmental English.
VI. Humanities (6 hours)	A. Take one of the following: HUMAN 1133 – Music in Life HUMAN 1143 – Art in Life HUMAN 1153 – Survey of World Religions HUMAN 2103 – Theatre Appreciation HUMAN 2113 – Global Humanities I HUMAN 2213 – Global Humanities II HUMAN 2223 – Intro to Global Philosophy HUMAN 2233 – World Literature I HUMAN 2243 – World Literature II B. Take one of the following:	PREREQUISITE for all courses with a HUMAN prefix: exemption from or exit from Developmental Reading All courses in category VI.A. have a “global” perspective. NOTE: Students planning to transfer to Texas or other

	<p>Another HUMAN course from category VI.A or HIST 2413 – Early World Civilization HIST 2423 – Modern World Civilization ENGL 2413 – Introduction to Literature ENGL 2433 – World Literature I ENGL 2443 – World Literature II ENGL 2543 – English Literature I ENGL 2653 – English Literature II ENGL 2773 – American Literature I ENGL 2883 – American Literature II REL ED 2103 – Intro to Old Testament REL ED 2203 – Intro to New Testament</p>	<p>schools requiring more American history might have a substitution option in the humanities field. The student should discuss this with an advisor.</p>
<p>VII. General Education Elective (at least 1 hour)</p>	<p>A. Apply an extra hour of General Education: One hour of general education may be applied if the student takes more than 12 hours in an advising track that includes a general education course.* or B. Choose from the following: SPAN 1115 – Spanish I PSYCH 1113 – Introduction to Psychology SOC 1113 – Introduction to Sociology</p>	<p>* Choice A, i.e. applying an hour from an advising track will work for agricultural majors in many cases. Students may, of course, choose additional hours in this category for personal interest or to facilitate university transfer.</p>
<p>Major Field (min of 23 hours)</p>	<p>Courses</p>	<p>Notes</p>
<p>Courses required for Horticulture majors.</p>	<p>AGRON 2124 – Fundamentals of Soil Science BOT 1114 – General Botany CHEM 1415 – General College Chemistry II HORT 1113 – Principles of Horticulture & Landscape Design HORT 2112 – Indoor Plants HORT 2212 – Herbaceous Plants Plus 3 hours of related elective with advisor approval.</p>	
<p>Total for A.S. in Horticulture</p>	<p>Minimum of 65 credit hours</p>	<p>(The student may choose to take additional hours to facilitate transfer or to meet personal interests.)</p>

Special Note About Physical Education–Health–Wellness. Some universities have a requirement for physical education or health or wellness in their general education and/or teacher education curricula. Students should consult their advisors and the catalogs of the universities to which they intend to transfer to determine appropriate courses, if any, to take at Eastern.

Division of Agriculture Meat Processing and Food Safety (A.A.S.)

The A.A.S. in Meat Processing and Food Safety is designed to outline study for students who want to enter directly into the workforce in the field upon earning the associate degree. Although this A.A.S. degree is not intended primarily for university transfer, all of the general education and some of the major field courses in the program will count toward a bachelor's degree at Oklahoma State or other universities.

Orientation (1 hour)	Course	Note
College Success Skills (1 hour)	AG 1011 – Agriculture Orientation	This course should be taken during the first semester of enrollment.
General Education (18 hours)	Courses	Notes
Social Sciences and History (6 hours)	A. POL SC 1113 – American Federal Government B. American History: Take <i>one</i> of the following: HIST 1483 – American History to 1877 HIST 1493 – American History Since 1877	
Communications (12 hours)	A. Take the following: ENGL 1113 – Freshman Composition I* B. AG 2113 – Microcomputer Tech in Agriculture C. SPCH 1113- Fundamentals of Speech D. SPAN 1103 Conversational Spanish	*PREREQUISITE: exit from or exemption from Developmental English
Major Field (43 hours)	Courses	Notes
	ACCT 1113 – Basic Bookkeeping ANSI 1124 – Introduction to Animal Science ANSI 2253 – Meat Animal and Carcass Evaluation MPFS 1123 – Meat Processing & Merchandising MPFS 1214 – Introduction to Meat Technology MPFS 1244 – Introduction to Livestock Processing MPFS 2004 – Meat Industry Internship MPFS 2112 – Advanced Meat Merchandising MPFS 2134 – Food Safety and Sanitation MPFS 2144 – Advanced Livestock Processing/Safety Analysis MPFS 2212 – Advanced Meat Technology and Fabrications MPFS 2224 – Processed Sausage and Cured Meats MPFS 2122 – Poultry Processing Technology	
Total for A.A.S. in Meat Processing/ Food Safety	Minimum of 62 hours.	Students may choose to take additional hours for career or personal interests.

Division of Agriculture
Meat Processing and Food Safety (Certificate)

The Certificate in Meat Processing and Food Safety is designed to outline the study for students who desire immediate employment opportunity in the area of processing meats with an understanding of the importance of food safety.

ACCT 1113 Basic Bookkeeping
ANSI 2253 Meat Animal and Carcass Evaluation
MPFS 1123 Meat Processing and Merchandising
MPFS 1214 Introduction to Meat Technology
MPFS 1244 Introduction to Livestock Processing
MPFS 2112 Advanced Meat Merchandising
MPFS 2122 Poultry Processing Technology
MPFS 2134 Food Safety and Sanitation
MPFS 2144 Advanced Livestock Processing / Safety Analysis
MPFS 2212 Advanced Meat Technology and Fabrications
MPFS 2224 Processed Sausage and Cured Meats

Total Hours for Certificate in Meats Processing and Food Safety: 35

Note: Students may choose to take additional courses, but these 35credits are required to earn this Certificate from Eastern.