

DIVISION OF 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 three AAS programs and one certificate program which are designed for immediate employment in field.

Agriculture Degrees and Certificates

Agriculture (AS)

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

Forestry (AS)

- Environmental/Natural Resources
- Ecosystem/Range Management
- Wildlife Ecology

Forestry Technology (AAS)

Horticulture (AS)

Meat Processing and Food Safety (AAS & Certificate)

Ranch Operations - Stocker Management (AAS & Certificate)

Dean Larriann Livingston recognized Taylor Chambers of Tushka, OK as Eastern Oklahoma State College's 2021 Outstanding Graduate of the Agriculture Division. Chambers graduated in the top ten percent of her class with an associate degree in agriculture economics and an overall 4.0 grade point average. She is a Presidential Scholar and was recently named to the 2021 All-Oklahoma Academic Team. Chambers was also selected as a 2021 New Century Transfer Pathway Scholar.

During her time at Eastern, Chambers was involved in numerous student organizations and served in many leadership roles. She served as president of the Phi Theta Kappa honor society, the vice president of the Eastern Student Government Association, and vice president of the Aggie Club. She was also a member of the Meats Judging Team, Soils Judging Team, and a member of the Agriculture Ambassador Leadership Program.

Taylor is the daughter of Chad and Peggy Chambers of Tushka, OK. She plans to attend Oklahoma State University where she will pursue a bachelor's degree in agricultural sciences and natural resources as an agribusiness/agricultural communications double major.



DIVISION OF AGRICULTURE

Agriculture (A.S.)

HUMAN 2513 Social/Political Change	3
HUMAN 2613 Bible as Literature	3

And

Take One Additional Course from the following courses or from the list above:

HIST 2413 Early World Civilization	3
HIST 2423 Modern World Civilization	3
ENGL 2413 Intro to Literature	3
ENGL 2433 World Literature I	3
ENGL 2443 World Literature II	3
ENGL 2543 English Literature I	3
ENGL 2653 English Literature II	3
ENGL 2773 American Literature I	3
ENGL 2883 American Literature II	3
RELED 2103 Intro to Old Testament	3
RELED 2203 Intro to New Testament	3

General Education Elective1

Select from the following courses:

PSY 1113 Intro to Psychology.....	3
SPAN 1113 Spanish I	3

Program Requirements 23

Common Core (All Options)11

AGRON 1213 Crop Production	3
AGRON 2124 Fund of Soil Science	4
ANSI 1124 Intro to Animal Science	4

Ag Communications Option 12

AGCOMM 2103 Communications in Ag	3
MCOMM 1103 Fund of Photography	3
MCOMM 1113 Intro to Mass Comm	3

Choose One of the following courses:

AG 2013 Ecology of Natural Resources	3
AGLE 2303 Agriculture Leadership	3

Ag Economics Option 12

ACCT 2103 Financial Accounting	3
ACCT 2203 Managerial Accounting	3
3 hours electives with advisor approval	3

Choose One of the following courses:

ECON 2113 Intro to Macroeconomics	3
MATH 2113 Business Statistics	3

Ag Education Option 12

HORT 1113 Principles of Horticulture	3
PSY 1113 Intro to Psychology	3
AGLE 2303 Agricultural Leadership	3

Choose One of the following courses:

ANSI 2253 Live Animal & Carcass Evaluation	3
AG 2013 Ecology of Natural Resources	3

Agronomy Option 12

CHEM 1415 General College Chemistry II	5
MATH 1613 Trigonometry	3

Choose One of the following courses:

MATH 2233 Elementary Statistics	3
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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.

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

Required Hours64

Orientation1

AG 1011 Agriculture Orientation	1
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General Education Courses40

Behavioral and Social Sciences 9

POLSC 1113 Amer Fed Gov.	3
AGECON 1113 Intro to Ag Econ	3
<i>Take <u>One</u> of the following courses:</i>	
HIST 1483 American History to 1877	3
HIST 1493 American History since 1877	3

Mathematics3

MATH 1513 College Algebra	3
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Natural Sciences9

BIOL 1114 General Biology	4
CHEM 1315 General College Chemistry I	5

Communications12

SPCH 1113 Fundamentals of Speech	3
AG 2113 Microcomputer Tech in Ag	3
ENGL 1113 Freshman Composition I	3
ENGL 1213 Freshman Composition II	3

Humanities6

Take One of the following courses:

HUMAN 1133 Music in Life	3
HUMAN 1143 Art in Life	3
HUMAN 1153 Survey of World Religions	3
HUMAN 2103 Theatre Appreciation	3
HUMAN 2113 Global Humanities I	3
HUMAN 2213 Global Humanities II	3
HUMAN 2223 Introduction to Philosophy	3
HUMAN 2233 World Literature I	3
HUMAN 2243 World Literature II	3

BOT 1114 General Botany	4
PHYS 1114 General Physics I	4
Animal Science Option	12
ANSI 2253 Meat Animal and Carcass Eval	3
<i>Choose One of the following courses:</i>	
CHEM 1415 General College Chemistry II	5
MATH 2113 Business Statistics	3
OR	
MATH 2233 Elementary Statistics	3
<i>Choose Two of the following courses:</i>	
ANSI 1102 Livestock Selection	2
ANSI 1202 Beef Cattle Management	2
ACCT 2103 Financial Accounting	3
Food Science Option	12
FDSC 1133 Fundamentals of Food Science	3
ANSI 2253 Meat Animal and Carcass Eval	3
MPFS 2134 Food Safety and Sanitation	4
2 hours of electives with advisor approval	2
Pre-Veterinary Medicine Option	12
ANSI 2253 Meat Animal and Carcass Eval	3
CHEM 1415 General College Chemistry II	5
4 hours of electives with advisor approval	4
Total Credit Hours (minimum)	64

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

Forestry and Natural Resources Management (A.S.)

The A.S. in Forestry and Natural Resources Management 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 forestry or a related field. Eastern also offers an A.A.S. degree in Forestry Technology for students who want to enter the career directly after earning the associate degree. The student should choose the major field that best suits his or her career and university transfer plans.

Forestry	
Environmental Science/Natural Resources	
Ecosystem/Range Management	
Wildlife Ecology	
Required Hours	66
Orientation	1
AG 1011 Agriculture Orientation	1
General Education Courses	42
Behavioral and Social Sciences	9

POLSC 1113 Amer Fed Gov.	3
AGECON 1113 Intro to Ag Econ	3
<i>Take One of the following courses:</i>	
HIST 1483 American History to 1877	3
HIST 1493 American History since 1877	3

Mathematics	3
MATH 1513 College Algebra	3

Natural Sciences	12
CHEM 1315 General College Chemistry I	5
<i>Take Two of the following courses:</i>	
BIOL 1114 General Biology	4
BOT 1114 General Botany	4
BIOL 2103 Environmental Science	3

Communications	12
SPCH 1113 Fundamentals of Speech	3
AG 2113 Microcomputer Tech in Ag	3
ENGL 1113 Freshman Composition I	3
ENGL 1213 Freshman Composition II	3

Humanities	6
<i>Take One of the following courses:</i>	
HUMAN 1133 Music in Life	3
HUMAN 1143 Art in Life	3
HUMAN 1153 Survey of World Religions	3
HUMAN 2103 Theatre Appreciation	3
HUMAN 2113 Global Humanities I	3
HUMAN 2213 Global Humanities II	3
HUMAN 2223 Introduction to Philosophy	3
HUMAN 2233 World Literature I	3
HUMAN 2243 World Literature II	3
HUMAN 2513 Social/Political Change	3
HUMAN 2613 Bible as Literature	3

And

Take One Additional Course from the following courses or from the list above:

HIST 2413 Early World Civilization	3
HIST 2423 Modern World Civilization	3
ENGL 2413 Intro to Literature	3
ENGL 2433 World Literature I	3
ENGL 2443 World Literature II	3
ENGL 2543 English Literature I	3
ENGL 2653 English Literature II	3
ENGL 2773 American Literature I	3
ENGL 2883 American Literature II	3
RELED 2103 Intro to Old Testament	3
RELED 2203 Intro to New Testament	3

Program Requirements	23
Forestry Option	23

Select 23 hours from the following courses:

AGRON 2124 Fundamentals of Soil Science	4
BOT 2134 Dendrology	4
BOT 1114 General Botany (if not taken in General Education)	4

FOREST 1123 Intro to Forestry	3
FOREST 2123 Timber Harvesting	3
MATH 1613 Trigonometry	3
MATH 2233 Elementary Statistics	3

Environmental Sci/Natural Resource Option 23

Take ALL the following courses:

AGRON 2124 Fundamentals of Soil Science	4
BIOL 2104 Environmental Science II	4
BOT 1114 General Botany (if not taken in General Education)	4
CHEM 1415 General College Chemistry II	5
<i>Take Two of the following courses:</i>	
MATH 1613 Trigonometry	3
MATH 2233 Elementary Statistics	3
PHY 1114 General Physics I	4
SOC 1113 Introduction to Sociology	3

Ecosystem/Range Management Option 23

Select 23 hours from the following courses:

AGRON 2124 Fundamentals of Soil Science	4
BOT 1114 General Botany (if not taken in General Education)	4
AGRON 1213 Crop Production	3
FOREST 1123 Intro to Forestry	3
PHY 1114 General Physics I	4
MATH 2233 Elementary Statistics	3
BOT 2134 Dendrology	4

Wildlife Ecology Option 23

AGRON 2124 Fundamentals of Soil Science	4
BIOL 2104 Environmental Science II	4
ZOO 1114 General Zoology	4
CHEM 1415	5
FOREST 1123 Intro to Forestry	3
<i>Take One of the following courses:</i>	
MATH 2233 Elementary Statistics	3
SOC 1113 Intro to Sociology	3
BOT 2134 Dendrology	4

Total Credit Hours (minimum) 66

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 A.A.S. 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.

Required Hours67

Orientation1

AG 1011 Agriculture Orientation	1
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General Education Courses18

Behavioral and Social Sciences6

POLSC 1113 Amer Fed Gov.	3
<i>Take One of the following courses:</i>	
HIST 1483 American History to 1877	3
HIST 1493 American History since 1877	3

Mathematics3

<i>Take One of the following courses:</i>	
MATH 1503 Survey of Mathematics.....	3
MATH 1513 College Algebra	3
MATH 2233 Elementary Statistics	3

Communications9

SPCH 1113 Fundamentals of Speech	3
AG 2113 Microcomputer Tech in Ag	3
ENGL 1113 Freshman Composition I	3

Program Requirements48

AGRON 2124 Fundamentals of Soil Science	4
BIOL 2104 Environmental Science II	4
BOT 2134 Dendrology	4
BUS 1133 Human Relations	3
FOREST 1103 Forest Business Methods	3
FOREST 1123 Introduction to Forestry	3
FOREST 1224 Forest Measurement	4
FOREST 2114 Applied Silviculture	4
FOREST 2115 Advanced Forest Measurement	5
FOREST 2123 Timber Harvesting	3
FOREST 2132 Forest Practices	2
FOREST 2213 Forest Multiple Use & Cons	3
FOREST 2214 Forest Protection	4
FOREST 2992 Special Topics in Forestry	2

Total Credit Hours (minimum)67

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.

Required Hours64

Orientation1

AG 1011 Agriculture Orientation	1
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General Education Courses40

Behavioral and Social Sciences	9
POLSC 1113 Amer Fed Gov.	3
AGECON 1113 Intro to Ag Econ	3
<i>Take <u>One</u> of the following courses:</i>	
HIST 1483 American History to 1877	3
HIST 1493 American History since 1877	3
Mathematics	3
MATH 1513 College Algebra	3
Natural Sciences	9
BIOL 1114 General Biology	4
CHEM 1315 General College Chemistry I	5
Communications	12
SPCH 1113 Fundamentals of Speech	3
AG 2113 Microcomputer Tech in Ag	3
ENGL 1113 Freshman Composition I	3
ENGL 1213 Freshman Composition II	3
Humanities	6
<i>Take <u>One</u> of the following courses:</i>	
HUMAN 1133 Music in Life	3
HUMAN 1143 Art in Life	3
HUMAN 1153 Survey of World Religions	3
HUMAN 2103 Theatre Appreciation	3
HUMAN 2113 Global Humanities I	3
HUMAN 2213 Global Humanities II	3
HUMAN 2223 Introduction to Philosophy	3
HUMAN 2233 World Literature I	3
HUMAN 2243 World Literature II	3
HUMAN 2513 Social/Political Change	3
HUMAN 2613 Bible as Literature	3
<i>And</i>	
<i>Take <u>One</u> Additional Course from the following courses or from the list above:</i>	
HIST 2413 Early World Civilization	3
HIST 2423 Modern World Civilization	3
ENGL 2413 Intro to Literature	3
ENGL 2433 World Literature I	3
ENGL 2443 World Literature II	3
ENGL 2543 English Literature I	3
ENGL 2653 English Literature II	3
ENGL 2773 American Literature I	3
ENGL 2883 American Literature II	3
RELED 2103 Intro to Old Testament	3
RELED 2203 Intro to New Testament	3
General Education Elective	1
<i>Select from the following courses:</i>	
PSY 1113 Intro to Psychology	3
SOC 1113 Introduction to Sociology	3
SPAN 1113 Spanish I	3
Program Requirements	23
AGRON 2124 Fundamentals of Soil Science	4
BOT 1114 General Botany	4

CHEM 1415 General College Chemistry II	5
HORT 1113 Prin of Horticulture & Ld Dsgn	3
HORT 2112 Indoor Plants	2
HORT 2212 Herbaceous Plants	2
3 hours of electives with advisor approval	3

Total Credit Hours (minimum)64

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.

Required Hours62

Orientation1

 AG 1011 Agriculture Orientation

General Education Courses18

Behavioral and Social Sciences 6

 POLSC 1113 Amer Fed Gov.

Take One of the following courses:

 HIST 1483 American History to 1877

 HIST 1493 American History since 1877

Communications12

 SPCH 1113 Fundamentals of Speech

 AG 2113 Microcomputer Tech in Ag

 ENGL 1113 Freshman Composition I

 SPAN 1103 Conversational Spanish

Program Requirements 41

 ACCT 1113 Basic Bookkeeping

 AGEC 1133 Intro to Agriculture Economics

 ANSI 1124 Introduction to Animal Science

 ANSI 2253 Meat Animal and Carcass Eval

 FDSC 1133 Fundamentals of Food Safety

 MPFS 1123 Meat Processing & Merchandising

 MPFS 1214 Intro to Meat Technology

 MPFS 2004 Meat Industry Internship

 MPFS 2134 Food Safety and Sanitation

 MPFS 2144 Adv Lvstck Process/Safety Analysis

 MPFS 2224 Processed Sausage & Cured Meats

 MPFS 2122 Poultry Processing Technology

Total Credit Hours (minimum)62

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.

Certificate Requirements	24
ANSI 2253 Meat Animal and Carcass Eval	3
MPFS 1123 Meat Processing & Merchandising	3
MPFS 1214 Intro to Meat Technology	4
MPFS 2122 Poultry Processing Technology	2
MPFS 2134 Food Safety and Sanitation	4
MPFS 2144 Adv Lvstck Process/Safety Analysis	4
MPFS 2224 Processed Sausage & Cured Meats	4
Total Credit Hours (minimum)	24

Note: Students may choose to take additional courses, but these 24 credits are required to earn this Certificate from Eastern.

DIVISION OF AGRICULTURE

Ranch Operations - Stocker Management (A.A.S.)

The A.A.S. in Ranch Operations - Stocker Management is designed to provide students with an overview of ranch management and hands-on training in the stocker cattle industry. 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 University or other universities.

Required Hours	65
Orientation	1
AG 1011 Agriculture Orientation	1
General Education Courses	18
POLSC 1113 Amer Fed Gov.	3
<i>Take One of the following courses:</i>	
HIST 1483 American History to 1877	3
HIST 1493 American History since 1877	3
Communications	12
AG 2113 Microcomputer Tech in Ag	3
SPAN 1103 Conversational Spanish	3
ENGL 1113 Freshman Composition I	3
<i>Take One of the following courses:</i>	
ENGL 1213 Freshman Composition II.....	3
SPCH 1113 Fundamentals of Speech	3
Program Requirements	46
ANSI 1124 Introduction to Animal Science	4
ANSI 1202 Beef Cattle Management	2
ANSI 1212 Live Animal Evaluation	2
ANSI 1223 Ranch Animal Anatomy and Diseases ...	3

ANSI 2113 Ranch Mgt Internship/Capstone	3
ANSI 2123 Livestock Feeding	3
ANSI 2253 Meat Animal and Carcass Evaluation	3
ANSI 2991 Special Topics - Ranch Mgmt-Sem 1	1
ANSI 2991 Special Topics - Ranch Mgmt-Sem 2	1
ANSI 2991 Special Topics - Ranch Mgmt-Sem 3	1
AGEC 1113 Agriculture Economics	3
AGEC 2993 Special Topics in Ag Economics	3
AGRON 1213 Crop Production	3
AGRON 2014 Hay, Forage and Pastures	4
AGRON 2124 Fundamentals of Soil Science	4
BUS AD 1123 Introduction to Business	3
<i>Take One of the following courses:</i>	
BUS AD 1023 Business Math	3
BIOL 1114 General Biology	4
ZOO 1114 General Zoology	4

Total Credit Hours (minimum)65

DIVISION OF AGRICULTURE

Ranch Operations - Stocker Management (Certificate)

The Certificate in Ranch Operations - Stocker Management is designed to outline the study for students who desire immediate employment opportunity in the area of ranch operations specific to stocker management.

Certificate Requirements	35
ANSI 1124 Introduction to Animal Science	4
ANSI 1202 Beef Cattle Management	2
ANSI 1223 Ranch Animal Anatomy and Diseases.....	3
ANSI 2113 Internship / Capstone	3
ANSI 2123 Livestock Feeding	3
ANSI 2253 Meat Animal and Carcass Eval	3
ANSI 2991 Special Topics - Ranch Mgmt-Sem 1	1
ANSI 2991 Special Topics - Ranch Mgmt-Sem 2	1
ANSI 2991 Special Topics - Ranch Mgmt-Sem 3	1
AGEC 1113 Agriculture Economics	3
AGEC 2993 Special Topics in Ag Economics	3
AGRON 2014 Hay, Forage and Pastures	4
AGRON 2124 Fundamentals of Soil Science	4
Total Credit Hours (minimum)	35

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