



# EASTERN KENTUCKY UNIVERSITY

## College of Business & Technology

### ASSOCIATE OF APPLIED SCIENCE OPTIONS: TECHNICAL AGRICULTURE (A.A.S. DEGREE) MECHANICS, AGRIBUSINESS, LIVESTOCK - Fall 2009

Typical sequence of courses required for an Associate of Applied Science Degree.

#### AGRICULTURE SYSTEMS MANAGEMENT

##### First Semester (15 hrs)

BTO 100 Orientation (1)  
AGR 130 Agronomy (3)  
AGR 131 Agronomy Lab (1)  
AGR 213 Ag Mechanics (4)  
ENG 101 English Comp I (3)  
MAT 105 Math (3)

##### Second Semester (17 hrs)

AGR 210 Ag Math (2)  
AGR 272 Ag Machinery (3)  
CHE 101 Chemistry I (4)  
ENG 102 English Comp II (3)  
ECO 230 Economics (3)  
AGR Practicum (2)

##### Third Semester (16 hrs)

AGR 304 Pest Mgt (4)  
AGR 308 Agribusiness (3)  
AGR 362 Hydraulics (2)  
AGR 383 Diesel Systems (3)  
AGR Practicum (3)  
Free Elective (1)

##### Fourth Semester (16 hrs)

AGR 215 Soils (3)  
AGR 305 Skills Seminar (1)  
AGR 381 Ag Structures (3)  
AGR Elective (4)  
AGR Practicum (2)  
Humanities (3)

#### AGRIBUSINESS MANAGEMENT

##### First Semester (15 hrs)

BTO 100 Orientation (1)  
AGR 130 Agronomy (3)  
AGR 131 Agronomy Lab (1)  
AGR 213 Ag Mechanics (4)  
ENG 101 English Comp I (3)  
MAT 105 Math (3)

##### Second Semester (17 hrs)

AGR 210 Ag Math (2)  
CHE 101 Chemistry I (4)  
ENG 102 English Comp II (3)  
ECO 230 Economics (3)  
AGR Elective (2)  
AGR Practicum (2)

##### Third Semester (16 hrs)

AGR 304 Pest Mgt (4)  
AGR 308 Agribusiness (3)  
AGR 409 Ag Records (2)  
AGR 440 Ag Financing (3)  
AGR Elective (2)  
AGR Practicum (2)

##### Fourth Semester (16 hrs)

AGR 215 Soils (3)  
AGR 305 Skills Seminar (1)  
AGR 310 Ag Business (3)  
AGR 350 Ag Marketing (3)  
AGR Practicum (2)  
Humanities (3)  
Free Elective (1)

#### LIVESTOCK MANAGEMENT

##### First Semester (15 hrs)

BTO 100 Orientation (1)  
AGR 125 Animal Science (3)  
AGR 126 Animal Sci Lab (1)  
AGR 130 Agronomy (3)  
AGR 131 Agronomy Lab (1)  
ENG 101 English Comp I (3)  
MAT 105 Math (3)

##### Second Semester (16 hrs)

AGR 210 Ag Math (2)  
CHE 101 Chemistry I (4)  
ENG 102 English Comp II (3)  
ECO 230 Economics (3)  
AGR Elective (2)  
AGR Practicum (2)

##### Third Semester (17 hrs)

AGR 213 Ag Mechanics (4)  
AGR 304 Pest Mgt (4)  
AGR 308 Agribusiness (3)  
AGR 321 Feeds & Feeding (4)  
AGR Practicum (2)

##### Fourth Semester (16 hrs)

AGR 215 Soils (3)  
AGR 305 Skills Seminar (1)  
AGR 327, 328 or 380 Beef, Swine  
or Dairy (4)  
AGR Elective (2)  
AGR Practicum (2)  
Humanities (3)  
Free Elective (1)

#### SUGGESTED ELECTIVE COURSES FOR AN ASSOCIATE OF APPLIED SCIENCE DEGREE

Forages  
Horse Production  
Poultry Production  
Agricultural Marketing  
Sustainable Agroecosystems  
Conservation of Agricultural Resources

Soils Laboratory  
Animal Diseases  
Livestock Genetics  
Agricultural Financing  
Cooperative Education  
Agribusiness Management

You may count associate degree credits towards a bachelors degree in the same area with no loss of credit.



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#### POTENTIAL EMPLOYMENT OPPORTUNITIES WITH AN ASSOCIATE OF APPLIED SCIENCE DEGREE

<u>CAREERS</u>	<u>DESCRIPTION</u>
<b>AGRICULTURE MECHANICS</b>	
Machinery Dealer/ Parts Manager	Management of parts department for local AG equipment dealers
Agricultural Equipment Dealer	Retail sales of farm machinery & consumer products to farm and urban customers
Agricultural Equipment Service Representative	Assist dealers with management of sales, parts, service, and warranty problems
Shop Supervisor	Supervise the maintenance and repair of farm machinery
<b>AGRIBUSINESS MANAGEMENT</b>	
Agribusiness Service Manager	Manages retail business involving sales of AG supplies. Has responsibilities for all aspects of the business management.
Agribusiness Service Sales	Sells to retail customers; keeps records of inventory, purchases; sells and demonstrates merchandise to potential customers.
Bank and/or Loan Officer	Consults with loan applicants concerning their needs and ability to meet financial repayment schedules. Evaluates and makes decisions about agricultural loan applications.
Farm Manager	Responsible for all decision-making related to the crop, animal, equipment, and labor needs of the farm. Keeps records and evaluates farm financial progress.
Farm Credit Agency	Helps farmers assess their needs and repayment abilities for agricultural production enterprises.
<b>LIVESTOCK MANAGEMENT</b>	
Dairy Herdsperson	Oversee operation and management of dairy farm
Livestock Herdsperson	Care and management of animals on a livestock farm
Feed Company Representative	Represent feed companies to local livestock producers
Service Representative	Supervision of contract producer in poultry and swine operations
Dairy Equipment Sales and Service	Work in dairy equipment and supply store; install and evaluate milking equipment
Artificial Breeding Representative	Sales of semen and breeding supplies to dairy farmers

#### FOR MORE INFORMATION CONTACT:

##### Department of Agriculture

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