

AGRICULTURE ASSOCIATE OF APPLIED SCIENCE DEGREE

Students interested in pursuing a career in agricultural goals. Plans of study vary depending on the degree plan of study, students are able to gain knowledge. Farm communities and agricultural industries provide opportunities for graduates to achieve both career and lifestyle goals.

Students select a plan of study best suited to their individual needs. Within each plan, students choose to complete. This fosters success in their chosen field. Opportunities for graduates to achieve both career and lifestyle goals.

ASSOCIATE OF APPLIED SCIENCE

An associate of applied science degree in agriculture prepares students to enter a career upon graduation from the program. Students may select their plan of study from six different options including:

- Agribusiness
- Agronomy
- Animal Science
- Diversified Agriculture
- Irrigation Technology
- Mechanized Agriculture



Each option includes courses to meet the Northeast Community College general education requirements, core agriculture courses, and approved electives for the option. The options for the agriculture degree are described specifically on pages 66-71.

REQUIRED PROGRAM OF STUDY

Core Agriculture Requirements

Course	Credits
AGRI 2000 Integrated Spreadsheet Applications.....	3
AGRI 2450 Modern Technologies in Agriculture.....	3
<i>(suggested for Agribusiness and Irrigation Technology)</i>	
OR	
AGRI 2400 Forage Pasture, and Grassland Production	
AND	
AGRI 2410 Forage Pasture, and Grassland Production Lab.....	1
<i>(suggested for Animal Science)</i>	
<i>NOTE: AGRI 2450, 2400, and 2410 are recommended for Agronomy.</i>	

Select at least one of the following.

AGRI 2880 Principles of Agriculture Selling.....	2
AGRI 1310 Agribusiness Management	3
<i>(suggested for Animal Science)</i>	
<i>Note: Both 2880 and 1310 are recommended for Agribusiness, Agronomy and Diversified Agriculture.</i>	

Select one of the following.

AGRI 2020 Crops and Irrigation and.....	3
AGRI 2030 Crops and Irrigation Lab	1.5
OR	
AGRI 2040 Livestock Production Management and.....	3
AGRI 2050 Livestock Production Management Lab	1.5
OR	
AGRI 1300 Cooperative Internship	8
<i>Note: If taking AGRI 1300, you must register for AGRI 1120 during freshman spring semester.</i>	
AGRI 2300	

12.5 - 18

General Education Requirements

Course	Credits
AGRI 1000 Microcomputer Applications.....	2
MATH 1040 Applied Mathematics	3
AGRI 1420 Interpersonal Skills	3
ENGL 1050 Career Composition	3
AGRI 1410 Introduction to Economics of Agriculture.....	3
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Note: Any course that meets the NECC general education requirements for the Associate of Applied Science Degree as described on page 37 can be substituted for the courses identified above.	
Agriculture Core	12.5 - 18
General Education	14
Approved Electives **	47-52
Total Credits Required	73.5 - 84

* See pages 64-65 for approved electives.

AGRICULTURE ASSOCIATE OF APPLIED SCIENCE DEGREE

APPROVED ELECTIVES FOR EACH OPTION

Agribusiness Option

Course	Credits
ACCT 1200 Accounting I.....	3
AGRI 1010 Animal Science.....	3
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab.....	1
AGRI 1120 Food, Agriculture, Natural Resource Systems (optional) required before AGRI 1300.....	3
AGRI 1210 Crop Production.....	3
AGRI 1220 Crop Production Lab.....	1
AGRI 1230 Feeds and Feeding.....	3
AGRI 1280 Crop Chemicals.....	2
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1310 Agribusiness Management.....	3
AGRI 2010 Irrigation and Equipment.....	3
AGRI 2200 Advanced Fertilizers.....	2
AGRI 2210 Animal Health.....	3
AGRI 2250 Grain Harvesting and Handling Systems.....	3
AGRI 2290 Agricultural Commodities Marketing.....	3
AGRI 2870 Agricultural Law.....	3
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(See page 66 for required program of study)

Agronomy Option

Course	Credits
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab.....	1
AGRI 1050 Farm Welding.....	1
AGRI 1060 Farm Welding Lab.....	1
AGRI 1120 Food, Agriculture, Natural Resource Systems (optional) required before AGRI 1300.....	3
AGRI 1150 Introduction to Entomology.....	3
AGRI 1210 Crop Production.....	3
AGRI 1280 Crop Production Lab.....	1
AGRI 1280 Crop Chemicals.....	2
AGRI 1350 Tillage Planting and Spraying Equipment.....	1
AGRI 1360 Tillage Planting and Spraying Equipment Lab.....	1
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 2200 Advanced Fertilizers.....	2
AGRI 2250 Grain Harvesting and Handling Systems.....	3
AGRI Forage, Pasture, and Grassland Production.....	3
AGRI 2410 Forage, Pasture, and Grassland Production Lab.....	1
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1310 Agribusiness Management.....	3
AGRI 1400 Farm and Environmental Safety.....	2
AGRI 2010 Irrigation and Equipment.....	3
AGRI 2290 Agricultural Commodities Marketing.....	3
AGRI 2460 Resource-Efficient Crop Management.....	3
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(See page 67 for required program of study)

Animal Science Option

Course	Credits
AGRI 1010 Animal Science.....	3
AGRI 1340 Animal Science Lab.....	1
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab.....	1
AGRI 1120 Food and Natural Resource Systems (optional) required before AGRI 1300.....	3
AGRI 1210 Crop Production.....	3
AGRI 1220 Crop Production Lab.....	1
AGRI 1230 Feed and Feeding.....	3
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1320 Animal Reproduction Physiology.....	3
AGRI 1400 Farm and Environmental Safety.....	2
AGRI 2210 Animal Health.....	3
AGRI 2260 Beef Feedlot Production Management.....	2
AGRI 2280 Swine Production Management OR AGRI 2810 Horsemanship and Horse Care.....	2
AGRI 2290 Agricultural Commodities Marketing.....	3
AGRI 2820 Equine Production Management.....	2
AGRI 2830 Advanced Animal Nutrition.....	2
AGRI 2840 Cow Calf Management.....	2
AGRI 2850 Sheep Management.....	2
AGRI 2860 Dairy Production Management.....	2
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(See page 68 for required program of study)

Diversified Agriculture Option

Course	Credits
AGRI 1010 Animal Science.....	3
AGRI 1340 Animal Science Lab.....	1
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab.....	1
AGRI 1120 Food, Agriculture, Natural Resource Systems (optional) required before AGRI 1300.....	3
AGRI 1210 Crop Production.....	3
AGRI 1220 Crop Production Lab.....	1
AGRI 1230 Feeds and Feeding.....	3
AGRI 1280 Crop Chemicals.....	2
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1310 Agribusiness Management.....	3
AGRI 1400 Farm and Environmental Safety.....	2
AGRI 2200 Advanced Fertilizers.....	2
AGRI 2210 Animal Health.....	3
AGRI 2250 Grain Harvesting and handling Systems.....	3
AGRI 2290 Agricultural Commodities Marketing.....	3
AGRI 2870 Agricultural Law.....	3

Select one of the following

AGRI 2820 Equine Production Management.....	2
AGRI 2840 Cow Calf Management.....	2
AGRI 2850 Sheep Management.....	2
AGRI 2860 Dairy Production Management.....	2

CONTINUED

AGRICULTURE
ASSOCIATE OF APPLIED SCIENCE DEGREE
APPROVED ELECTIVES FOR EACH OPTION

Select one of the following

AGRI 1150 Introduction to Entomology.....	3
AGRI 1320 Animal Reproduction Physiology	3
AGRI 2460 Resource-Efficient Crop Management	3
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Irrigation Technology Option

Course	Credits
AGRI 1410 Introduction to the Economics of Agriculture.....	3
ELTR 1010 Basic Electricity	3
ELTR 1020 Basic Electricity Lab	2
ELTR 1055 National Electric Code for Irrigation Technology....	3
AGRI 1270 Level I Mechanized Irrigation Systems (optional).....	2
AGRI 2010 Irrigation and Equipment	3
ELTR 1230 Motor Control	2
ELTR 1240 Motor Control Lab	2
ELTR 1260 Basic Auto Sketch	1
ELTR 1270 Irrigation Wiring Systems	3
MATH 1060 Applied Mathematics II	2
AGRI 1050 Farm Welding.....	1
AGRI 1060 Farm Welding Lab.....	1
AGRI 2470 Valley Linear Irrigation Machines (optional).....	2
ELTR 2000 Motor Repair.....	1
ELTR 2010 Motor Repair Lab.....	1
ELTR 2020 Automation Fundamentals	2
ELTR 2030 Automation Fundamentals Lab	2
ELTR 2050 Electrical Trouble Shooting	4
ELTR 2060 Electrical Trouble Shooting Lab	1
AGRI 1310 Agribusiness Management	3
AGRI 2420 Hydraulic Components and Irrigation Principles....	3
AGRI 2480 Valley Communication System (optional)	2
ELTR 2210 Control Wiring and Solid State	5
ELTR 2225 Control Wiring and Solid State Lab for Irrigation Technology	3
ELTR 2255 Solid State Fundamentals for Irrigation Technology	2
	52-58

(See page 70 for required program of study)

Mechanized Agriculture Option

Course	Credits
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction of Soil Science Lab.....	1
AGRI 1050 Farm Welding.....	1
AGRI 1060 Farm Welding Lab.....	1
AGRI 1400 Farm and Environmental Safety.....	2
AGRI 1210 Crop Production	3
AGRI 1220 Crop Production Lab	1
AGRI 1240 Advanced Farm Welding.....	1
AGRI 1250 Advanced Farm Welding Lab.....	2
AGRI 1280 Crop Chemicals.....	2
AGRI 1350 Tillage, Planting, and Spraying Equipment	1
AGRI 1360 Tillage, Planting, and Spraying Equipment Lab	1
AGRI 1410 Introduction to the Economics of Agriculture.....	3
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 2100 Farm Electricity and Wiring.....	1
AGRI 2110 Farm Electricity and Wiring Lab.....	1
AGRI 2200 Advanced Fertilizers	2
AGRI 1120 Food and Natural Resources Systems (optional) required before AGRI 1300.....	3
AGRI 1150 Introduction to Entomology.....	3
AGRI 2010 Irrigation and Equipment	3
AGRI 2140 Advanced Farm Welding Projects.....	1
AGRI 2150 Advanced Farm Welding Projects Lab.....	2
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(See page 71 for required program of study)