

Scientific advances are changing the way America and the rest of the world raise field crops and manage soil, in turn affecting the trading and marketing of these commodities. Today's agronomist needs specialized training in advanced agricultural technologies as well as the expertise in processes related to chemical application, seed conditioning, production, quality, and value-added processing. Industry demand for agronomists is much greater than the supply, and a degree from Northeast carries a strong, positive reputation among potential employers in agronomy. The internship experience will allow students to continue to develop job related skills as agronomists. Agronomy students at Northeast take courses in areas of soils science, crop science, entomology, forages, chemicals, marketing, sales, computers, and precision farming (GPS/GIS) to form a strong foundation in the field.

Required Program of Study for Associate of Applied Science Degree (2 years)

FRESHMAN YEAR

First Semester	
Course	Credits
AGRI 1005 Introduction to Agriculture Technology.....	3
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab.....	1
AGRI 1105 Issues in Agriculture I**	1
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1400 Farm and Environmental Safety.....	2
AGRI 1410 Introduction to the Economics of Agriculture*.....	3
MATH 1020 Technical Mathematics I *	3
	19

Second Semester	
Course	Credits
AGRI 1131 Plant Science	3
AGRI 1132 Plant Science Lab	1
AGRI 1150 Introduction to Entomology.....	3
AGRI 1280 Crop Chemicals.....	2
AGRI 1300 Cooperative Internship I***	2
AGRI 1500 Microcomputer Applications in Agriculture*	3
ENGL 1050 Workplace Communication*	3
	17

Summer	
Course	Credits
AGRI 2020 Crops and Irrigation	3
AGRI 2030 Crops and Irrigation Lab	1
OR	
AGRI 2300 Cooperative Internship II.....	4
	4

SOPHOMORE YEAR

First Semester	
Course	Credits
AGRI 2015 Farm and Ranch Management	4
AGRI 2200 Advanced Fertilizers	2
AGRI 2250 Grain Harvesting and Handling Systems	3
AGRI 2400 Forage, Pasture and Grassland Production	3
AGRI 2410 Forage, Pasture and Grassland Production Lab	1
Agriculture Electives	3-4
	16-17

Second Semester	
Course	Credits
AGRI 1310 Agricultural Marketing System.....	3
AGRI 1350 Tillage, Planting and Spraying Equipment.....	1
AGRI 1360 Tillage, Planting and Spraying Equipment Lab.....	1
AGRI 1420 Interpersonal Skills*.....	3
AGRI 2290 Agricultural Commodities Marketing	3
AGRI 2460 Resource-Efficient Crop Management	3
AGRI 2890 Agriculture Capstone Experience.....	1
Agriculture Electives or Science Course	2-4
	17-19

Additional Requirement:
AGRI 1025 Farm Experience Lab.....0.5
See your advisor to identify which semester is best for your individualized interests.

Total Credit Hours **73.5-76.5**

* Course fulfills a general education requirement for Northeast Community College.

NOTE: See General Education Requirements.

**AGRI 1120 Food Agriculture Natural Resources Systems can be substituted for AGRI 1105 Issues in Agriculture I.

Agriculture students are encouraged to consult their advisor in the agriculture department to identify the best courses to fulfill agriculture or science elective requirements. The Northeast Community College agriculture program has articulation agreements with the University of Nebraska-Lincoln, Wayne State College, South Dakota State University, and Northwest Missouri State. If interested in more information, consult your advisor.

***NOTE: Students may select to take summer classes AGRI 2020 and 2030 in place of Cooperative Internship I and II (AGRI 1300 and 2300).