

AGRONOMY

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 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 soil 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)

FIRST YEAR

Course	Credits
AGRI 1005 Precision Agriculture Systems	3
AGRI 1030 Soil Science	3
AGRI 1040 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

Course	Credits
AGRI 1131 Plant Science	3
AGRI 1132 Plant Science Lab	1
AGRI 1150 Entomology	3
AGRI 1280 Crop Chemicals	2
AGRI 1300 Cooperative Internship*** (final 4 weeks) ...	1
AGRI 1500 Microcomputer Applications in Agriculture*	3
ENGL 1050 Workplace Communication*	3
	16

Internship Options***

Course	Credits
Select one of the following options:	2-4
AGRI 2020 Crops and Irrigation, (summer)	3
AGRI 2300 Cooperative Internship II (must take AGRI 1300 1st),	2
AGRI 1300 Cooperative Internship I, OR	3
AGRI 1115 Issues in Agriculture II & (pre-requisite to AGRI 2115 must be taken in proceeding semester)	
AGRI 2115 Global Opportunities in Agricultural Leadership (International travel)	4

SECOND YEAR

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
Program Elective(s)**	2
	15

Course	Credits
AGRI 1310 Agricultural Marketing System	3
AGRI 1350 Tillage, Planting, and Spraying Equipment ...	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
Program Elective(s)**	2
	16
Total Credit Hours	68-70

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

**See advisor for assistance choosing elective(s) based on professional goals and transfer institution.