

Agricultural Management (630)

Precision Agronomy Emphasis

ASSOCIATE OF APPLIED SCIENCE

About Our Program

This program prepares students for employment in an agricultural business that focuses primarily on the maintenance, sales, and service of agricultural equipment including precision technology equipment.

Program Outcomes

- Create and manipulate computer files through the use of word processors, spreadsheets, databases, presentation, and graphic design software.
- Identify, classify, and describe common Illinois soils, crops, weeds, and pests.
- Utilize soil test reports, crop yield goals, and legal policy to responsibly manage nutrients.
- Explore the use of precision technology in crop production.
- Use troubleshooting techniques to solve common mechanical failures.

Nature of Work and Employment

Career pathways in the Precision Agronomy program may include employment in an agriculture equipment dealer or any agriculture business that uses precision technology equipment. Current employment potential in these areas is very good with a variety of options for work and advancement.

Special Considerations

All students enrolled are required to complete a workplace experience before graduating. Students are strongly encouraged to seek the advice of an Agriculture Instructor or Advisor to assist with class schedules, work place experiences, scholarship opportunities, and employment placement.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Scott Anderson, Vice President of Business, Technology and Community Programs
- Justin Ebert, Agriculture Instructor
- Monica Pierce, Agriculture Instructor
- Vicki Schulz, Student Advisor/Transfer Coordinator

First Semester 15 Credit Hours

LIBS	199	First Year Experience – Ag Emphasis	2
AGRI	192	Computer Applications in Agriculture	3
AGRI	284	Soil Science	4
AGOC	287	Precision Farming Technology	3
* MATH	111	Technical Math or Math Elective	3

Second Semester 15 Credit Hours

AGRI	182	Introductory Agricultural Mechanization	4
AGOC	109	Pesticide License Training	2
AGOC	110	Commercial Driver's License Permit Training	2
AGOC	289	Applications of Precision Technology	3
AGRI	286	Crop Science	
	-or-		4
AGOC	114	Principles of Plant Science	

Summer 7 Credit Hours

* AGOC	291	Plant Pest Identification and Control	3
* OCED	290	Workplace Experience	4

Third Semester 13 Credit Hours

AGOC	140	Agriculture Equipment Maintenance	3
* AGOC	285	Soil Fertility and Fertilizers	3
BUSN	225	Personal Finance or Social Science Elective	3
		Elective	4

Fourth Semester 15 Credit Hours

AGOC	222	Marketing Agricultural Products	2
AGOC	227	Corn and Soybean Production	3
AGOC	299	Agriculture Capstone Experience	1
* BUSN	121	Introduction to Business or Humanities Requirement	3
* BUSN	141	Business Communications or Comm. Elective	3
		Elective	3

Total Credit Hours = 65

* Course has a prerequisite. See course description.

Electives may be selected from courses with prefixes AGOC, AGRI, ELET, INFT, MTEC, and WELD.

Of the available General Education courses required for this program, at least three credits need to be completed with a Diversity designation (see advisor).