

Agricultural Management (630)

Crop and Soil Science Emphasis

ASSOCIATE OF APPLIED SCIENCE

About Our Program

This program prepares students for employment in an agricultural business that focuses primarily on the production and management of field crops.

Program Outcomes

- Identify, classify, and describe common Illinois soils, crops, weeds, and pests.
- Describe basic principles of plant growth and reproduction.
- Utilize soil test reports, crop yield goals, and legal policy to responsibly manage nutrients.
- Scout disorders in crops and explore recommendations for treatment.
- Explore the use of precision technology in crop production.
- Engage in crop research experiments relevant to modern production practices.

Nature of Work and Employment

Career pathways in the crop and soil science program may include employment in seed and chemical sales, fertilizer application, grain marketing, soil conservation, and precision technology. 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 14 Credit Hours

| | | | |
|------|------|--|---|
| LIBS | 199 | First Year Experience – Ag Emphasis | 2 |
| AGRI | 284 | Soil Science | 4 |
| AGRI | 192 | Computer Applications in Agriculture | 3 |
| * | BUSN | 125 Mathematics of Business or Math Elective | 3 |
| AGOC | 127 | Forage Production | 2 |

Second Semester 15 Credit Hours

| | | | |
|------|------|---|---|
| AGRI | 286 | Crop Science | |
| | -or- | | 4 |
| AGOC | 114 | Principles of Plant Science | |
| AGOC | 222 | Marketing Agricultural Products | 3 |
| AGOC | 227 | Corn and Soybean Production | 2 |
| * | BUSN | 141 Business Communications or Communication Elective | 3 |
| | | Elective | 3 |

Summer 7 Credit Hours

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

Third Semester 15 Credit Hours

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|---|------|---|---|
| * | AGOC | 285 Soil Fertility and Fertilizers | 3 |
| | AGOC | 221 Agricultural Policies and Programs | 3 |
| | AGOC | 287 Precision Farming Technology | 3 |
| | BUSN | 225 Personal Finance or Social Science Elective | 3 |
| | | Elective | 3 |

Fourth Semester 14 Credit Hours

| | | | |
|---|------|---|---|
| | AGOC | 299 Agriculture Capstone Experience | 1 |
| * | AGOC | 240 Farm Business Management | 3 |
| | AGOC | 289 Applications of Precision Technology | 3 |
| * | BUSN | 121 Introduction to Business or Humanities Elective | 3 |
| | | Elective | 4 |

Total Credit Hours = 65

* Course has a prerequisite. See course description.

Electives may be selected from courses with prefixes AGOC, AGRI, BIOL, CHEM, GEOL, INFT, NSCI, 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).

