

# Agriculture (402)

## Horticulture

### ASSOCIATE OF SCIENCE

#### About Our Program

This program is intended to provide the first two years of a 4-year baccalaureate program and includes the general education, agriculture, science, and math courses required of the transfer student.

#### Program Outcomes

- Students will demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems.
- Students will understand and analyze the current events and issues that are occurring in agriculture and how they affect the future in agriculture.
- Students will demonstrate the ability to communicate effectively and confidently both orally and in writing.
- Students will demonstrate the ability to analyze data and draw appropriate statistical conclusions.
- Students will be encouraged to network and grow professionally through participation in PAS and Collegiate Farm Bureau activities.

#### Nature of Work and Employment

Horticulture is the science and art of producing, improving, marketing, and using fruits, vegetables, flowers, and ornamental plants. Production and consumption of high quality fruits and vegetables allows us to maintain a healthy, balanced daily diet. Flowers and ornamental plants enrich our homes and communities, and contribute to our sense of well-being. Horticulture impacts our lives on a daily basis by providing nutritious fruits and vegetables, offering visual enjoyment, and promoting recreational activities. Some examples of careers within horticulture are listed below.

Florist	Horticulture Instructor
Fruit Tree Producer	Landscape Designer
Golf Course Superintendent	Viticulturist
Greenhouse Manager	Vegetable Grower

#### Special Considerations

The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

#### 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

#### Recommended Courses

The following are recommended courses for this major only. Students must still meet all requirements for the Associate of Science degree (see page 58) in order to graduate from Highland Community College. For more information, please see your student advisor.

#### Associate of Science Degree Credit Hours

Communications	9
Humanities & Fine Arts	6
Mathematics (see recommendations below)	7
Physical & Life Science (see recommendations below)	11
Social & Behavioral Sciences	6
Major/Minor Electives (see recommendations below)	23

**Degree Total = 62**

#### Agriculture Recommendations

AGRI	188	Introduction to Horticultural Science	3
AGRI	284	Soil Science	4
AGRI	286	Crop Science	4

#### Physical & Life Science Recommendations

BIOL	110	Principles of Biology	4
* CHEM	120	Elementary General Chemistry	4

#### Mathematics Recommendations

MATH	134	Statistics	4
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#### Agriculture Electives

AGRI	182	Introductory Agricultural Mechanization	4
AGRI	184	Introduction to Agricultural Economics	4
AGOC	130	Vegetable Crop Production	3
AGOC	132	Landscape Design	3
AGOC	222	Marketing Agricultural Products	3
* AGOC	291	Plant Pest Identification & Control	3

\* Course has a prerequisite. See course description.