

# Agriculture

## Associate in Applied Science Degree

### Why Agriculture?

Agricultural Operations is an innovative program that develops career ready graduates with a solid background in plant and soil science, precision agriculture, water management, plant pathology and business management.

### Why Bay College?

The **Agriculture program** at Bay College develops knowledge through intensive, practical learning, becoming prepared for today's high technology agricultural operations. Bay College has partnered with Michigan State University to offer regionally relevant training programs for careers in some of Michigan's highest demand industries. Students will benefit from dual enrollment at both institutions with all courses delivered at the Escanaba campus. This partnership allows students to earn an associate degree from Bay College and a certificate from the Michigan State University Institute of Agricultural Technology (IAT). Full-time students will be able to complete the associate degree and certificate in just two years and financial aid is available through Michigan State University to help with the tuition expenses at both schools.

### Beyond Bay College

Students interested in transferring to a four-year institution to obtain a bachelor's degree or higher may find opportunities in the following areas of study:

- **Agriculture and Natural Resources**
- **Agriculture, Food and Natural Resources Education**
- **Agribusiness Management**

### Career Opportunities

Graduates in the Agriculture program will find employment in the following agriculture industries:

- **Equipment Retail Sales and Service**
- **Farm Operations**
- **Crop Production Management**
- **Production Service Companies**
- **Crop Processing Facilities**

### Contact

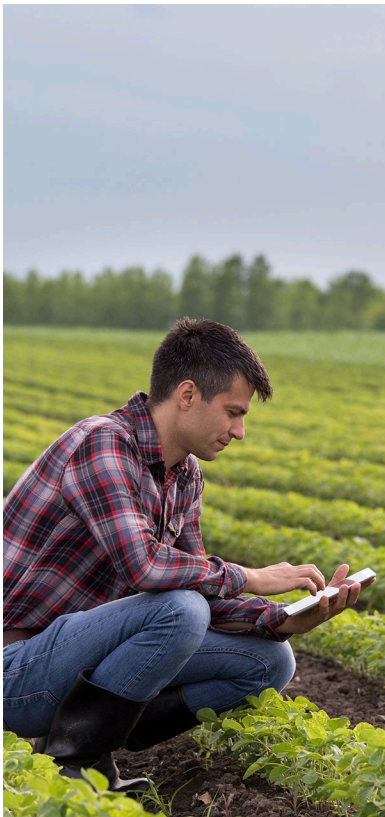
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Escanaba, MI 49829

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Iron Mountain, MI 49801

**Office of Admissions**  
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[baycollege.edu](http://baycollege.edu)



# Agriculture, AAS

Award Granted Upon Completion: Associate in Applied Science in  
Agriculture  
Credits/Contacts Required: 61/62

Major code: 03/304  
CIP Code: 010102

## General Education Requirements (Min. 17 Credits)

Course #	Course Name	Cr
ENGL 101	Rhetoric & Composition	3
MATH 105	Intermediate Algebra	4*
ECON 131	Macroeconomics	3 or
ECON 132	Microeconomics	3
XXXX xxx	Humanities Elective	3
BIOL 103	Essential Biology	4 or
BIOL 110	Evolution & Diversity	4

## Requirements (Min. 10 Credits)

In consultation with the program coordinator, select a minimum of 10 credits from the following courses. Note that only one of the communications options can count toward the required 10 credits.

Course #	Course Name	Cr
ENGL 102	Research Writing	3 or
ENGL 145	Technical and Report Writing	3 or
COMM 103	Interpersonal Communication	3 or
COMM 104	Public Speaking	3
ACCT 100	Practical Accounting	4
BIOL 107	Environmental Science	3
BIOL 108	Environmental Science Lab	1
BIOL 112	Cells & Molecules	4
BIOL 202	Plants & Animals	4
BUSN 160	Introduction to Business	3
BUSN 195	Business Communications	3
BUSN 253	Marketing	3
CHEM 102	Introduction to Chemistry	4
CHEM 104	Introduction to Chemistry Lab	1
CIS 101	Computer Concepts & Applications	4
CIS 121	Microsoft Excel	1
POLI 262	State & Local Government	3
SPAN 101	Spanish I	3
WELD 110	Introduction to Oxygen-Fuel Welding & Cutting	3
WELD 120	Arc Welding	4

## Note(s)

\* Other mathematics credits may be accepted if higher level

\*\* Student must also complete a minimum of 6 elective credits in the College of Agriculture and Natural Science Resources within the following disciplines: CSS, HRT, ANS, ABM, AT or AE as approved by the program coordinator in the institute of Agricultural Technology.

## MSU IAT Program Requirements

Course #	Course Name	Cr/Ct
ABM 130	Farm Management	3
AE 131	Agricultural Water Resource Management	3
AE 143	Application of Precision Agriculture Technologies	3
AT 202	Agriculture Regulation, Compliance and Safety	3
AT 293	Professional Internship in Agriculture Technology	3
CSS 101	Introduction to Crop Science	3
CSS 105	Agricultural Industries Seminar	1
CSS 126	Introduction to Weed Management	2
CSS 143	Introduction to Soil Science	2
ENT 110	Applied Entomology of Economic Plants	3
PLP 105	Fundamentals of Applied Plant Pathology	2
XXXX xxx	Agriculture Electives	6**

**Total - Credit(s): 34**