

# Agricultural Operations, A.A.S.

25-26 catalog

Full-time fall 2025 start

## Operations Career Path - odd year start

**Description:** Montcalm Community College (MCC) offers this degree program in cooperation with the Institute of Agricultural Technology at Michigan State University. The Agricultural Operations Program is for students who are interested in gaining in-depth agricultural industry and business knowledge to apply to their own operations or to launch careers in the industry. This program integrates a wide range of disciplines including business, leadership, technology and compliance through hands-on laboratory learning and classroom formats. All MSU courses will be offered on MCC's campus or online. Student who successfully complete these courses will also receive a Certificate from MSU's Institute of Agricultural Technology

**Completion Time:** 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1	Year 2
<b>Fall Semester</b> <b>MCC Classes</b> <input type="checkbox"/> Success Skills for the 21st Century GNST 100 3 Cr. <input type="checkbox"/> Applied Plant Science & Production AGRI 103 4 Cr. <b>MSU Classes</b> <input type="checkbox"/> Career Development in Ag Tech. AT 100 1 Cr. <input type="checkbox"/> World of Soils CSS 203 2 Cr. <input type="checkbox"/> Applied Entomology of Economic Plants ENT 110 3 Cr.	<b>Fall Semester</b> <b>MCC Classes</b> <input type="checkbox"/> Mathematics Requirement 4 Cr. <input type="checkbox"/> American Political System POLI 240 3 Cr. <b>MSU Classes</b> <input type="checkbox"/> Ag Regulation, Compliance & Safety AT 202 3 Cr. <input type="checkbox"/> Elective 3 Cr. <input type="checkbox"/> Intro to Weed Management CSS 126 2 Cr.
<b>Spring Semester</b> <b>MCC Classes</b> <input type="checkbox"/> Introduction to Animal Science AGRI 110 4 Cr. <b>MSU Classes</b> <input type="checkbox"/> Agricultural Water Resource Mgt AE 131 3 Cr. <input type="checkbox"/> Introduction to Crop Science CSS 101 3 Cr. <input type="checkbox"/> Elective 3 Cr.	<b>Spring Semester</b> <b>MCC Classes</b> <input type="checkbox"/> Communication Requirement 3 Cr. <input type="checkbox"/> Freshman English I ENGL 100 3 Cr. <b>MSU Classes</b> <input type="checkbox"/> Farm management I AFRE 130 3 Cr. <input type="checkbox"/> Application of Precision Ag Tech AE 143 3 Cr. <input type="checkbox"/> Fund. of Applied Plant Pathology PLP 105 1 Cr. <input type="checkbox"/> Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.
<b>Summer Semester</b> <b>MSU Classes</b> <input type="checkbox"/> Humanities Requirement 3-4 Cr.	<b>Summer Semester</b> <b>MSU Classes</b> <input type="checkbox"/> Professional Internship in Ag Tech AT 293 3 Cr.
<b>Total Minimum Credits: 61</b>	

This map is meant as a guide. Students are encouraged to reference the MCC Academic Catalog for this degree program (at both MCC & MSU) as the official guide for course requirements.

**Academic Advising:** You should meet with your MSU IAT Program Coordinator prior to registering for classes.

**Note:** Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs. **Only classes with a grade of C or better will transfer.**

# Agricultural Operations, A.A.S.

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## Operations Career Path - even year start

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**Completion Time:** 2 Years

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### Year 1

#### Fall Semester

##### MCC Classes

- ☐ Success Skills for the 21st Century GNST 100 3 Cr.
- ☐ Applied Plant Science & Production AGRI 103 4 Cr.

##### MSU Classes

- ☐ Career Development in Ag Tech. AT 100 1 Cr.
- ☐ World of Soils CSS 203 2 Cr.
- ☐ Ag Regulation, Compliance & Safety AT 202 3 Cr.

#### Spring Semester

##### MCC Classes

- ☐ Introduction to Animal Science AGRI 110 4 Cr.

##### MSU Classes

- ☐ Farm management I AFRE 130 3 Cr.
- ☐ Introduction to Crop Science CSS 101 3 Cr.
- ☐ Fund. of Applied Plant Pathology PLP 105 1 Cr.
- ☐ Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.

#### Summer Semester

##### MSU Classes

- ☐ Humanities Requirement 3-4 Cr.

### Year 2

#### Fall Semester

##### MCC Classes

- ☐ Mathematics Requirement 4 Cr.
- ☐ American Political System POLI 240 3 Cr.

##### MSU Classes

- ☐ Applied Entomology of Economic Plants ENT 110 3 Cr.
- ☐ Elective 3 Cr.
- ☐ Intro to Weed Management CSS 126 2 Cr.

#### Spring Semester

##### MCC Classes

- ☐ Communication Requirement 3 Cr.
- ☐ Freshman English I ENGL 100 3 Cr.

##### MSU Classes

- ☐ Application of Precision Ag Tech AE 143 3 Cr.
- ☐ Agricultural Water Resource Mgt AE 131 3 Cr.
- ☐ Elective 3 Cr.

#### Summer Semester

##### MSU Classes

- ☐ Professional Internship in Ag Tech AT 293 3 Cr.

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Full-time spring 2025 start

## Operations Career Path

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### Year 1

#### Spring Semester

##### MCC Classes

☐ Introduction to Animal Science AGRI 110 4 Cr.

##### MSU Classes

- ☐ Introduction to Crop Science CSS 101 3 Cr.
- ☐ Farm management I AFRE 130 3 Cr.
- ☐ Fund. of Applied Plant Pathology PLP 105 1 Cr.
- ☐ Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.

#### Summer Semester

##### MCC Classes

☐ Success Skills for the 21st Century GNST 100 3 Cr.

#### Fall Semester

##### MCC Classes

- ☐ Mathematics Requirement 4 Cr.
- ☐ Applied Plant Science & Production AGRI 103 4 Cr.

##### MSU Classes

- ☐ Career Development in Ag Tech. AT 100 1 Cr.
- ☐ World of Soils CSS 203 2 Cr.
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### Year 2

#### Spring Semester

##### MCC Classes

- ☐ Freshman English I ENGL 100 3 Cr.
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##### MSU Classes

- ☐ Agricultural Water Resource Mgt AE 131 3 Cr.
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#### Summer Semester

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- ☐ Communication Requirement 3 Cr.
- ☐ Humanities Requirement 3-4 Cr.

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