

Full-time

Operations Career Path - even 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
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 SOIL 203 2 Cr. - Ag Regulation, Compliance & Safety AT 202 3 Cr.	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 CROP 126 2 Cr.
Spring Semester MCC Classes - Introduction to Animal Science AGRI 110 4 Cr. MSU Classes - Agricultural Water Resource Mgt AE 131 3 Cr. - Farm Management I AFRE 130 3 Cr. - Introduction to Crop Science CROP 101 3 Cr.	Spring Semester MCC Classes - Oral Communication Requirement 3 Cr. - Freshman English I ENGL 100 3 Cr. MSU Classes - Application of Precision Ag Tech AE 143 3 Cr. - Fund. of Applied Plant Pathology PLP 105 1 Cr. - Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr. - Elective 3 Cr.
Summer Session MCC Classes Humanities Requirement 3-4 Cr.	Summer Session MSU Classes Professional Internship in Ag Tech AT 293 3 Cr.
Total Minimum Credits: 61	

This map is meant as a guide. Students are encouraged to reference the MCC & MSU Academic Catalogs for this degree program 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.**

Full-time

Operations Career Path - odd year start

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Full-time spring start

Operations Career Path - even year start

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Full-time – Transfer

Transfer Path - even 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: 2.5 Years

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

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 SOIL 203 2 Cr.
- ☐ Ag Regulation, Compliance & Safety AT 202 3 Cr.

Spring Semester

MCC Classes

- ☐ Introduction to Animal Science AGRI 110 4 Cr.
- ☐ Humanities Requirement 3-4 Cr.

MSU Classes

- ☐ Agricultural Water Resource Mgt AE 131 3 Cr.
- ☐ Farm Management I AFRE 130 3 Cr.
- ☐ Introduction to Crop Science CROP 101 3 Cr.

Summer Session

MCC Classes

- ☐ Freshman English I ENGL 100 3 Cr.

MSU Classes

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

Year 2

Fall Semester

MCC Classes

- ☐ Humanities Requirement 3-4 Cr.
- ☐ Mathematics Requirement 4 Cr.
- ☐ Oral Communications Requirement 3 Cr.

MSU Classes

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

Spring Semester

MCC Classes

- ☐ Principles of Microeconomics ECON 216 3 Cr.
- ☐ American Political System POLI 240 3 Cr.

MSU Classes

- ☐ Application of Precision Ag Tech AE 143 3 Cr.
- ☐ Fund. of Applied Plant Pathology PLP 105 1 Cr.
- ☐ Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.
- ☐ Elective 3 Cr.

Summer Session

MCC Classes

- ☐ Freshman English II ENGL 101 3 Cr.

Year 3

Fall Semester

MCC Classes

- ☐ College Chemistry I CHEM 220 5 Cr.
- ☐ Laboratory Science Requirement 4 Cr.

MSU Classes

- ☐ Elective 3 Cr.

Total Minimum Credits: 79

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Full-time – Transfer

Transfer Path - odd year start

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Completion Time: 2.5 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 SOIL 203 2 Cr.
- ☐ Applied Entomology of Economic Plants ENT 110 3 Cr.

Spring Semester

MCC Classes

- ☐ Introduction to Animal Science AGRI 110 4 Cr.
- ☐ Humanities Requirement 3-4 Cr.

MSU Classes

- ☐ Agricultural Water Resource Mgt AE 131 3 Cr.
- ☐ Introduction to Crop Science CROP 101 3 Cr.
- ☐ Fund. of Applied Plant Pathology PLP 105 1 Cr.
- ☐ Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.

Summer Session

MCC Classes

- ☐ Freshman English I ENGL 100 3 Cr.

MSU Classes

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

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Year 2

Fall Semester

MCC Classes

- ☐ Humanities Requirement 3-4 Cr.
- ☐ Mathematics Requirement 4 Cr.
- ☐ Oral Communications Requirement 3 Cr.

MSU Classes

- ☐ Intro to Weed Management CROP 126 2 Cr.
- ☐ Ag Regulation, Compliance & Safety AT 202 3 Cr.

Spring Semester

MCC Classes

- ☐ American Political System POLI 240 3 Cr.
- ☐ Principles of Microeconomics ECON 216 3 Cr.

MSU Classes

- ☐ Application of Precision Ag Tech AE 143 3 Cr.
- ☐ Elective 3 Cr.
- ☐ Farm Management I AFRE 130 3 Cr.

Summer Session

MCC Classes

- ☐ Freshman English II ENGL 101 3 Cr.

Year 3

Fall Semester

MCC Classes

- ☐ College Chemistry I CHEM 220 5 Cr.
- ☐ Laboratory Science Requirement 4 Cr.

MSU Classes

- ☐ Elective 3 Cr.

Total Minimum Credits: 79

Agricultural Operations, A.A.S.

26-27 catalog

Full-time – Transfer, spring start

Transfer Path - even year start

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Completion Time: 2.5 Years

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Year 1

Spring Semester

MCC Classes

- Introduction to Animal Science AGRI 110 4 Cr
- Success Skills for the 21st Century GNST 100 3 Cr.

MSU Classes

- Agricultural Water Resource Mgt AE 131 3 Cr.
- Introduction to Crop Science CROP 101 3 Cr.
- Fund. of Applied Plant Pathology PLP 105 1 Cr.
- Fund. of Applied Plant Pathology Lab PLP 105L 1 Cr.

Summer Session

MCC Classes

- Freshman English I ENGL 100 3 Cr.
- Humanities Requirement 3-4 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 SOIL 203 2 Cr.
- Ag Regulation, Compliance & Safety AT 202 3 Cr.

Year 2

Spring Semester

MCC Classes

- American Political System POLI 240 3 Cr.
- Principles of Microeconomics ECON 216 3 Cr.

MSU Classes

- Application of Precision Ag Tech AE 143 3 Cr.
- Farm Management I AFRE 130 3 Cr.
- Elective 3 Cr.

Summer Session

MSU Classes

- Professional Internship in Ag Tech AT 293 3 Cr.

Fall Semester

MCC Classes

- Humanities Requirement 3-4 Cr.
- College Chemistry I CHEM 220 5 Cr.
- Oral Communications Requirement 3 Cr.

MSU Classes

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

Year 3

Spring Semester

MCC Classes

- Freshman English II ENGL 101 3 Cr.
- Laboratory Science Requirement 4 Cr.

MSU Classes

- Elective 3 Cr.

Total Minimum Credits: 79

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MSU Classes

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Summer Session

MCC Classes

- Freshman English I ENGL 100 3 Cr.
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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 SOIL 203 2 Cr.
- Applied Entomology of Economic Plants ENT 110 3 Cr.

Year 2

Spring Semester

MCC Classes

- American Political System POLI 240 3 Cr.
- Principles of Microeconomics ECON 216 3 Cr.

MSU Classes

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Summer Session

MSU Classes

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Fall Semester

MCC Classes

- Humanities Requirement 3-4 Cr.
- College Chemistry I CHEM 220 5 Cr.
- Oral Communications Requirement 3 Cr.

MSU Classes

- Intro to Weed Management CROP 126 2 Cr.
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Spring Semester

MCC Classes

- Freshman English II ENGL 101 3 Cr.
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