

# AGRICULTURE\*

## ASSOCIATE OF APPLIED SCIENCE

Business Division

Web Site: <http://www.monroecc.edu/business/busdiv.htm>

The agriculture program at Monroe County Community College provides students with a solid background in plant and soil science, precision agriculture, agriculture management, entomology, plant pathology and additional fundamentals of agriculture.

### Career Opportunities

Graduates typically will find employment opportunities in:

- Equipment retail sales and service
- Farm operations
- Crop production management
- Production and agriculture service companies
- Crop and farm product processing facilities
- Agribusiness opportunities such as farm insurance, commodity marketing, farm supply businesses

### Transfer Information

Michigan State University and MCCC have partnered together to offer students an opportunity to earn a certificate in agricultural operations or an associate of applied science in agriculture/ag operations. The certificate, awarded by MSU, will include 34 credits of agriculture-oriented courses through the Institute of Agricultural Technology, combined with a minimum of 21 additional credits from MCCC to total 55 credits.

The associate of applied science awarded by MCCC will include 34 credits offered by the MSU/Institute of Agricultural Technology plus 19-20 general education credits and up to 7 elective credits from MCCC to equal 60 total credits.

Students wishing to work toward a bachelor's degree may receive preferred transfer status at Michigan State University after earning the associate degree at MCCC.

For more information please contact:  
regional agriculture program coordinator at MCCC

### Courses Delivered By The Michigan State University-Institute of Agriculture Technology

	Credits
	<b>34</b>
ABM 130 (Farm Management I) . . . . .	3
AE 131 (Agricultural Water Resource Management) . . . . .	3
AE 143 (Application of Precision Agriculture Technologies) . . . . .	3
AT 202 (Agricultural Regulation, Compliance and Safety) . . . . .	3
AT 293 (Professional Internship in Agricultural Technology) . . . . .	3
CSS 101 (Introduction to Crop Science) . . . . .	3
CSS 105 (Agricultural Industries Seminar) . . . . .	1
CSS 135 (Crop Scouting and Investigations) . . . . .	3
CSS 143 (Introduction to Soil Science) . . . . .	2
ENT 110 (Applied Entomology of Economic Plants) . . . . .	3
PLP 105 (Fundamentals of Applied Plant Pathology) . . . . .	2

A minimum of 5 additional MSU CANR/IAT credits must be completed with approval from the program coordinator.

**Total Program Credits 34 credits**

### Courses Delivered By Monroe County Community College

	Credits
<b>General Education Competency Requirements 19-20</b>	
C1 Natural Science Graduation Elective . . . . .	4
C2 Mathematics Competency Elective . . . . .	3 or 4
C3 ENGL 151 (English Composition I) . . . . .	3
C4 BMGT 160 (Managing in the Digital Enterprise) or CIS 130 (Introduction to Computer Information Systems) . . . . .	3
C5 Human Experience Competency Elective . . . . .	3
C6 Social Systems Competency Elective . . . . .	3

See the General Education Requirements on Page 31 or the college website ([www.monroecc.edu](http://www.monroecc.edu)) for a list of courses that satisfy the General Education Learning Competencies.

To earn an AAS from MCCC, a minimum of 6 additional credits are required, and these are to be selected after consultation with the program coordinator.

**Total General Education Degree Requirements 19-20 credits**

**Total Credits Needed To Earn An Associate of Applied Science 60 credits**

**To earn a certificate in agricultural operations from MSU-IAT, students must complete the program courses offered by MSU-IAT as outlined above. 34 credits**

Students must also complete additional elective courses offered at MCCC

	Credits
<i>(Recommended options, not limited to those listed)</i>	<b>21</b>
ACCTG 151 (Accounting Principles) . . . . .	4
ACCTG 152 (Accounting Principles) . . . . .	4
BIOL 156 (Introduction to Environmental Science) . . . . .	4
BIOL 251 (Elements of Botany) . . . . .	4
BUSAD 151 (Introduction to Business) . . . . .	4
BUSAD 170 (Small Business and Entrepreneurship) . . . . .	3
BUSAD 180 (Entrepreneurship Capstone Course) . . . . .	3
BMGT 160 (Managing in the Digital Enterprise) . . . . .	3
BMGT 201 (Principles of Management) . . . . .	3
BSLW 251 (Business Law) . . . . .	4
CHEM 150 (Fundamental Principles of Chemistry) . . . . .	4
ESC 151 (Earth Science) . . . . .	4
ECON 251 (Principles of Macroeconomics) . . . . .	3
ECON 252 (Principles of Microeconomics) . . . . .	3
GEOG 151 (Elements of Physical Geography) . . . . .	4
MCOM 201 (Principles of Marketing) . . . . .	3
WELD 100 (Introduction to Welding Processes) . . . . .	4

**Total Certificate Requirements 55 credits**

\*Pending Higher Learning Commission approval. See division office.