

Agricultural Operations

certificate program and
associate degree



MSU Courses

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| AFRE 130 | Farm Management I | 3 cr |
| AE 131 | Agricultural Water Resource Management | 3 cr |
| AE 143 | Application of Precision Agriculture Technologies | 3 cr |
| AT 202 | Agricultural Regulation, Compliance and Safety | 3 cr |
| AT 293 | Professional Internship | 3 cr |
| CSS 101 | Introduction to Crop Science | 3 cr |
| CSS 105 | Agricultural Industries Seminar | 1 cr |
| CSS 126 | Introduction to Weed Management | 2 cr |
| CSS 143 | Introduction to Soil Science | 2 cr |
| ENT 110 | Applied Entomology of Economic Plants | 3 cr |
| PLP 105 | Fundamentals of Applied Plant Pathology | 2 cr |

Complete a minimum of 6 elective credits

Complete 26 credits of additional coursework through the MSU College of Agriculture and Natural Resources, Kellogg Community College, or approved transferring institution.

KCC Courses

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| AGRI 105 Agricultural Leadership | 3 cr |
| ECON 201 or ECON 202 | 3 cr |
| ENGL 151 or 151H | 3 cr |
| FYS 101 First Year Seminar | 1 cr |
| GE Personal & Cultural Engagement (Choose from List D) | 2 or 3 cr |
| GE Personal & Cultural Engagement (Choose from List E) | 3 or 4 cr |
| Math & GE Critical Thinking (Choose from List A) | 3 or 4 cr |
| Sciences & GE Critical Thinking (Choose from List C) | 4 cr |
| Elective(s) to achieve the minimum of 60 credit hours | 4 to 6 cr |

Elective lists are found on the KCC Career & Transfer Pathway Maps at kellogg.edu/academics/pathways

Additional courses are chosen to achieve a minimum requirement of sixty (60) credit hours earned for this degree. For more information, refer to the KCC Academic Catalog, Agricultural Science, Associate Degree, AAoS

Visit iat.msu.edu for information about all programs and enrollment locations



AGRICULTURAL OPERATIONS

certificate and associate degree program

Growing Leaders at Kellogg Community College

The partnership between the MSU Institute of Agricultural Technology (IAT) and Kellogg Community College (KCC) provides students local access to specialized training for various jobs in the agriculture industry. Program graduates will receive a certificate in Agricultural Operations from Michigan State University and an associate degree from KCC.

Academic Experience

The program is a combination of coursework from MSU and KCC. Students will take courses from both institutions each semester to complete the program in two-years or a timeline that works best for them. All courses will be delivered online or in-person at KCC.

The professional internship is an important component of the student experience. Student's will gain industry experience, develop relevant skills, and make valuable industry connections.

Career Pathways

Graduates can choose to enter the workforce or continue their education at Michigan State University. Job areas include farm operations, agribusiness companies that sell products or services, and the financial sector (insurance, loans, banking). Students planning to continue their education at MSU must meet specific transfer criteria and are encouraged to contact their undergraduate major academic advisor.



Institute of
Agricultural Technology
MICHIGAN STATE UNIVERSITY



Contact the IAT at ati.iat@msu.edu or
517-355-0190 for more information.