Agriculture – Commercial Horticulture Operations

Associate in Applied Science Degree

Commercial Horticulture Operations *Program Code 280*

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Program Prerequisites

Proficiency in reading, English, and mathematics on the assessment or successfully complete recommended classes. See course descriptions for specific course requirements.

LMC College Requirements: Credit Hours

English 101, English Composition ..... LMC - 3
English 102, English Composition, or
English 103, Technical Writing ..... LMC - 3
Political Science 101, National Government, or
Political Science 102, State Governments, or
History 201, American History to 1865, or
History 202, American History 1865 to Present ..... LMC - 3
Physical Education 200, Healthful Living, or
Physical Education 212, Health and Fitness, or
Physical Education 214, Personal Health ..... LMC - 1 or 3
Outcomes Assessment Test must be completed prior to graduation.

Support Courses

MSU Institute of Agricultural Technology

(note: These are MSU courses, not LMC courses)

(All MSU courses will be transcripted as elective credit. Please see advisor for explanation.)

Ag. Technology 293, Professional Internship in Ag. Tech..... MSU - 3 min.
Horticulture 215, Plant Industries Seminar ..... MSU - 1
Plant Pathology 200, Plant Diseases and Their Pathogens..... MSU - 3
Entomology 111, Basics of Applied Entomology ..... MSU - 3
Crop and Soil Sciences 210, Fund. of Soil & Landscape Science... ..... MSU - 3
Horticulture 213, Landscape Maintenance..... MSU - 2
Horticulture 218, Landscape Irrigation ..... MSU - 3
Environmental Studies and Agriscience 225, Land & Environmental
Issues in Law and Policy ..... MSU - 3

Lake Michigan College

Business 203, Principles of Economics (Macro) ..... LMC - 3
Biology 112, Principles of Biology II ..... LMC - 4
Chemistry 104, Fundamentals of General, Organic and Biochemistry ..... LMC - 4
Computer Information Systems 100, Introduction to Computer Literacy ..... LMC - 3
Mathematics 122, Intermediate Algebra ..... LMC - 4
Group III Humanities (Not including: COMM 101) ..... LMC - 3

Major Courses

(note: These are MSU courses, not LMC courses)

MSU Commercial Horticulture Operations

Choose minimum 9 required credits from list of courses below.

Horticulture 205, Plant Mineral Nutrition ..... MSU - 1
Horticulture 208, Pruning and Training Systems in Horticulture ..... MSU - 3
Horticulture 221, Greenhouse Structures and Management ..... MSU - 3
Horticulture 242, Passive Solar Greenhouses for Protected Cultivation ..... MSU - 1
Horticulture 251, Organic Farming Principles and Practices ..... MSU - 3
Horticulture 253, Compost Production and Use ..... MSU - 1
Horticulture 332, Tree Fruit Production and Management ..... MSU - 2
Horticulture 335, Berry Crop Production and Management ..... MSU - 1
Horticulture 341, Vegetable Production and Management ..... MSU - 3

About the Area of Study

Lake Michigan College and MSU's Institute of Agricultural Technology have formed a partnership that allows students to earn an Associate in Applied Science degree from LMC and at the same time also earn a certificate from MSU. This unique Agriculture degree plus certificate provides students with a solid background in the plant sciences along with specific expertise and skills needed for careers in the horticulture industry. With these skills, students in the Commercial Horticulture Operations Option find jobs growing plants in nurseries, orchards and greenhouses, locally or beyond. This is a great option for students who love growing plants and don't want to go all the way to East Lansing for this same degree.

Degree Options

Upon completion of this program, students may apply for an Associate in Applied Science degree from Lake Michigan College and a certificate from the MSU Institute of Agricultural Technology in Applied Plant Science with a concentration in Commercial Horticulture Operations.

Transfer Option

This MSU program is offered only in southwest Michigan in partnership with Lake Michigan College. For students who wish to continue their education, LMC credits will transfer to a bachelor's program at MSU.

Sample Course Sequence

*An advisor will help you develop a program plan, apply to MSU's IAT, register for classes and choose electives.