

Montcalm Community College & Michigan State University

LANDSCAPE and LAWN MANAGEMENT PROGRAM

MSU Landscape & Lawn Management Certificate

MSU Contacts: Marcus Duck, Program Coordinator – (517) 355-5191 ext. 1351; duckmarc@msu.edu

Dawn Meredith, MSU-West office – (616) 458-6805; meredi17@msu.edu

MCC Contact: Admissions Office – (989) 328-1250; admissions@montcalm.edu

MONTCALM COMMUNITY COLLEGE COURSES* (24 credits total)

Required:

MGMT 235 Small Business Management 3

Required – Min of 8 credits from the following:

ACCT 105 Accounting for Small Business 3

or ACCT 115 Princ. of Accounting I 4

MGMT 245 Human Resource Management 3

MRKT 233 Principles of Marketing 3

MRKT 234 Retailing 3

MRKT 248 Advertising 3

BUSN 200 Legal Environment of Business 3

BUSN 251 Customer Relations 1

BUSN 253 Principles of Investment 3

Required - One of the following:

BUSN 180 Business Communications I 3

ENGL 100 Freshman English I 3

Required:

BIOL 110 Botany 4

Required:

CMIS 101 Computer Literacy 3

Required:

MATH 100 Elementary Algebra 4

*If you plan to transfer to MSU for a 4-year degree program, please consult your MCC Counselor and MSU Landscape & Lawn Management Coordinator for appropriate course substitutions.

Other business courses are available. Contact your advisor for approval.

MICHIGAN STATE UNIVERSITY COURSES (24 credits minimum)

Required:

CSS 210 Fundamentals of Soil and Landscape Science 3

CSS 202 World of Turf 2

CSS 203 Applied Turf Management 1

ENT 111 Basics of Applied Entomology 2

HRT 211 Landscape Plants I 3

HRT 212 Landscape Plants II 3

HRT 213 Landscape Maintenance 2

HRT 214 Landscape and Turfgrass Business Operations 2

PLP 104 Applied Plant Pathology for Ornamentals & Turf 3

Required Internship:

AT 293 Placement Training/Internship 3

Elective courses:

HRT 111 Landscape Design 3

HRT 218 Landscape Irrigation 3

HRT 290 Independent Study in Ornamental Horticulture 1-4

HRT 475 Study Abroad 4-6

Other MSU AT, HRT, and CSS courses not listed here may also be offered and accepted as electives in the program. Course offerings are subject to change. Consult with the program coordinator.

Total credits to complete the MSU Certificate:

48

LANDSCAPE AND LAWN MANAGEMENT PROGRAM – MSU COURSES

(GR = Grand Rapids; EL = On-campus in East Lansing)

Required Courses:

- AT 293 Placement Training (Internship) 3 credits**
A supervised work experience in business and industry appropriate to the individual student's education and training. Contact program coordinator for more information. Offered every semester of every year.
- CSS 210 Fundamentals of Soil and Landscape Science 3 credits**
Management of soils based on physical and chemical properties and biological activity. Effect of soil properties on plant growth. Selection and use of various soil management techniques and fertilizers. Offered Fall of even years in GR; Fall & Spring of every year in EL.
- CSS 202 World of Turf 2 credits**
Role of turf in society and the environment. Principles underlying establishment and maintenance of turf on athletic fields, parks, home lawns, and golf courses. Aesthetic, safety, and economic aspects of turfgrass management practices. Offered Spring of odd years in GR; Fall of every year in EL.
- CSS 203 Applied Turfgrass Management 1 credits**
Principles and practices for establishing and maintaining turf in residential and commercial lawns. Field trips required. Offered Spring of odd years in GR; Fall of every year in EL.
- ENT 111 Basics of Applied Entomology 2 credits**
Basic insect biology, principles of integrated pest management, and the major pests of woody ornamentals, herbaceous perennials, turfgrass, and commercial greenhouses. Offered Fall of even years in GR; Spring of every year in EL.
- HRT 211 Landscape Plants I 3 credits**
Identification, adaption and evaluation of trees, deciduous shrub, narrow-leaved evergreens, woody vines and herbaceous perennials. Emphasis on management and functional uses in landscape. Offered Fall of even years in GR; Fall of every year in EL.
- HRT 212 Landscape Plants II 3 credits**
Identification, adaptation and evaluation of flowering trees, deciduous shrubs, broad-leaved evergreens, woody vines, ground covers, bulbs and corms. Emphasis on management and functional uses in the landscape. Offered Fall of odd years in GR; Fall and Spring of every year in EL.
- HRT 213 Landscape Maintenance 2 credits**
Principles and practices involved in ornamental plant management. Plant growth and development related to pruning, fertilization, weed control, transplanting; specifications. Offered Spring of odd years in GR; Fall of every year in EL.
- HRT 214 Turf and Landscape Business Management 2 credits**
Organizing, marketing, and directing a business enterprise within the turf and landscape industry. Project estimating, bidding, and accounting. Practical hands-on learning using real-life examples and case studies. Offered Spring of even years in GR; Spring of every year in EL.
- PLP 104 Applied Plant Pathology for Ornamentals & Turf 3 credits**
Diseases of woody ornamentals and turf grasses. Offered Fall of odd years in GR.

Elective Courses:

- HRT 111 Landscape Design 3 credits**
Landscape design techniques, plant selection, plant/site interaction, relationship between design and planning, construction materials and design specifications. Offered Spring of even years in GR; Spring of every year in EL.
- HRT 218 Landscape Irrigation 3 credits**
Principles and practices in the design, installation and maintenance of irrigation systems for turfgrass and landscape plants. Design hydraulics, equipment selection, pump stations, water features, water quality and conservation. Offered Spring of even years in GR; Spring of every year in EL.
- HRT 290 Independent Study in Ornamental Horticulture 1-4 credits**
An organized and planned learning experience developed by the student in cooperation with a faculty member in special studies, not part of regularly scheduled courses. Students *must* have approval from an instructor prior to enrolling for HRT 290. Offered every semester of every year.
- HRT 475 Study Abroad 4 to 6 credits**
Various programs offered through the College of Agriculture and Natural Resources. Contact the MSU program coordinator for more information on options, requirements, and enrollment procedures