

HORTICULTURE MAJOR (M)

The Horticulture Major consists of course work completed through a cooperative program with Milwaukee Area Technical College (MATC). MATC-Mequon Campus is just a 5-minute drive from Concordia and offers unique choices to prepare students for an exciting career in horticulture.

Current MATC catalog is the official source for Major Courses and their descriptions. In addition to the CUW Liberal Arts core requirements and required courses listed below, all horticulture majors must complete requirements for a CUW Minor. Required core courses may be taken at either MATC or CUW.

Through hands-on coursework, the major covers a broad range of horticulture subjects, from plant maintenance and landscape planning to operation of equipment, while also allowing students to choose an area of specialization. Students are prepared for careers in the horticulture/landscaping field by studying: Sustainable and environmental horticulture operations; maintenance of healthy trees, shrubs and herbaceous plants; selection and installation of plant material; equipment operation; and development and execution of landscape plans. For hands-on learning, the Mequon Campus of MATC features a greenhouse and extensively landscaped grounds.

For specific information about MATC courses and degree requirements, please visit the MATC website at <http://www.matc.edu/>

Program Learning Outcomes

Students will:

- Demonstrate an understanding of and an ability to explain major biological and related scientific concepts (Knowledge Base of Biology and Related Sciences);
- Demonstrate the ability to appropriately collect and analyze data while utilizing laboratory equipment and procedures safely and effectively (Biological Procedures and Data)
- Develop investigative and critical thinking skills to explore complex questions and solve challenging scientific problems (Scientific Inquiry);
- Demonstrate the ability to communicate scientific information effectively to both scientists and non-scientists (Scientific Communication);
- Recognize how vocations in science provide opportunities for service to Christ and others and necessitate ethical behavior in all aspects of science (Vocation and Ethics)
- Demonstrate an understanding of how/why a Christian sees evidence of God's design in nature and how to be good stewards of His creation (God's Design and Stewardship).

Curriculum

Code	Title	Hours
Core Requirements (https://catalog.cuw.edu/undergraduate/university/acad-prog/trad/core/)		45
Major Requirements		45
Minor: Required		18-24
Electives		6-12
Total Hours		120

Major Requirements

Code	Title	Hours
Required Core Courses (CUW Campus)		
BIO 156	Environmental Science (Lab Science)	
COMM 105	Public Speaking (Communication) or COMM 201 Interpersonal Communication	
MATH 205	Statistics I (Mathematics)	
LEGL 230	Environmental Law & Politics (Human Beings and Being Human)	
Required Courses (all HORT classes taken at MATC)		
PHIL 240	Environmental Ethics (Taken at CUW)	3
HORT 111	Introduction to Horticulture	3
HORT 112	Horticulture Soils	3
HORT 114	Woody Ornamental Plants	3
HORT 115	Plant Pests & Controls	3
HORT 116	Landscape Equipment	3
HORT 119	Landscape Construction I	3
HORT 122	Landscape Design I	3
HORT 125	Landscape Maintenance Applications	3
HORT 126	Landscape Estimating & Bidding	3
HORT 127	Arboriculture 1: Tree Care Fundamentals	3
HORT 130	Pesticide Applicator Training	1
HORT 134	Greenhouse Production Fall Crops OR	3
HORT 163	Native Plants - Fall	
HORT 152	Greenhouse Production - Spring OR	3
HORT 120	Landscape Construction II	
HORT 153	Advanced Woody Plants	3
HORT 159	Survey of Herbaceous Plants	2
Total Hours		45

Code	Title	Hours
Recommended Electives		
BIO 367	Ecology of the Tropics (Travel Course)	
BIO 240	Zoology	
CHEM 105	Elements of General and Biological Chemistry	
PSY 101	General Psychology	