

# HORTICULTURE, CERTIFICATE OF ACHIEVEMENT

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The model sequence of coursework below is one pathway for students to complete the program. The information below is not an official educational plan. An MPC Counselor can assist you with creating a personalized education plan based on your academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling and up-to-date program requirements.

Upon successful completion of the program, students will be able to:

- Practice basic botany to identify, propagate, and cultivate plants in landscape or nursery settings.
- Apply basic principles of garden design with consideration for soil, climate, drainage, water conservation, and sustainability.
- Apply principles of integrated pest management to identify, evaluate, and rectify pest, disease, and nutrition problems of plants in landscape or nursery settings AND/OR Evaluate and rectify landscape irrigation systems for efficiency AND/OR Apply principles of tree care to the selection and management of landscape trees AND/OR Apply knowledge of native plants and sustainable practices to create and manage environmentally positive landscape gardens and restoration projects.
- Identify two hundred horticultural plants by common name, scientific name, and cultivar.