

SUSTAINABLE LANDSCAPE DESIGN

at Macomb Community College

BASIC LANDSCAPE DESIGN CERTIFICATE – (6 Classes)

Landscape Design Graphics

Learn the principles of drafting and plan reading. Different design styles will be explored and practiced.

Landscape Design Principles

Explore how design principles and elements of art are applied to create a functional, sustainable, and aesthetically pleasing outdoor extension of indoor living.

The Design & Sales Process

Review marketing your services, initial client contact, client interview, design presentation, and portfolio development. If applicable, bring your site evaluation rendering to the first session.

Residential Landscape Planting Design

Learn plant material composition and design characteristics. Review sustainable landscape design criteria, including selection, climate, cultural suitability, availability, costs, and maintenance.

Sustainable Landscaping

Explore simple ways to create an environmentally friendly landscape that uses fewer natural resources, controls rainwater, and requires less maintenance.

Site Analysis and Evaluation

Identify unique problems connected with the property, and discover how to utilize or reconfigure features to create a well-designed outdoor space.

ADVANCED LANDSCAPE DESIGN CERTIFICATE – (4 Classes)

Estimating & Landscape Project Management

Understand project materials, labor needs, estimating, landscape construction, and contract/document generation, as well as the installation process, scheduling, and management.

Site Development: Grading & Drainage

Discover the principles of project site grading and drainage, how to read and understand grading plans, and how to determine grade changes using a laser level.

Incorporating Walks, Walls, and Patios into the Garden

Acquire the skills and knowledge required to integrate hardscape features into the landscape. Materials available for various applications and proper installation techniques will be introduced through lecture, slides, and hands-on construction.

Incorporating Walks and Designing Functional Outdoor Rooms

Review design techniques required to create useful residential landscape spaces and learn to use existing environmental conditions, as well as how to create new micro-climates to make spaces more accommodating and comfortable.

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CERTIFICATES IN LANDSCAPE DESIGN

- Basic Landscape Design
- Advanced Landscape Design
- Environmental Horticulture

Learn the required skills and receive state-of-the-art information necessary to develop a solid foundation in the original “Green Industry.” The Sustainable Landscape Design Program encourages professional standards, a strong work ethic, and sound management practices.

Your classes will be taught by Rick Lazzell, a Certified Natural Shoreline Professional with over 30 years of experience.

ENVIRONMENTAL HORTICULTURE CERTIFICATE – (7 Classes)

Basic Horticulture/How Plants Grow

Discover how a plant grows, its relationship with the soil, its water and nutrient needs, and how it responds to the surrounding environment. Explore the “Right Plant–Right Place” sustainable philosophy.

Plant Health Care

Fundamental landscape maintenance topics are covered, with the emphasis on sustainable methods. Class content includes soil enrichment for plant health, fertilization requirements and delivery methods, the importance of mulching, as well as diagnostic and preventive measures for common plant ailments.

Plant ID and Use

Become familiar with commonly used landscape plants, and their identifying characteristics and cultural requirements. Discover plants that work well together, and how to incorporate each plant into the landscape.

Section I: Trees

Section II: Shrubs

Section III: Herbaceous Perennials and Ground Covers

Pruning Workshop

Discover the art and science of proper plant pruning, and its direct relationship to plant health, in this hands-on class. Sustainable methods will be discussed.

Turf Management

Discover how grass plants grow differently from other plants, and their relationship to the soil. Proper turf maintenance practices will emphasize environmentally healthy lawn care techniques, common pest problems, and sustainable controls.

Classes should be taken in order, and can be taken individually or as part of a Certificate Program.



Discover. Connect. Advance.™

WORKFORCE & CONTINUING EDUCATION at Macomb Community College

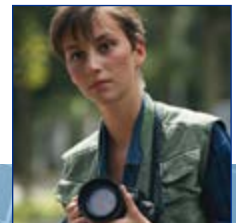
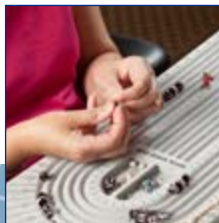
WCE classes provide you with job skills, professional development and opportunities for personal growth or re-entering the work environment. Choose from hundreds of ways to pursue your special interest in art, health, wellness, entertainment, business and much more.

Discover Creative Careers at Macomb



Creative Careers provides training opportunities to individuals looking to use artistic talent, creative thinking, and design skills. Offerings include:

C4K: College for Kids • Construction • Entertainment Arts
Floral Design • Jewelry Trades • Landscape Design • Photography



EMPLOYMENT OUTLOOK

With a certificate in landscape design from Macomb, you will be qualified for careers including groundskeeper, gardener and landscape specialist. Median salary for these careers is \$25,250, with a 7 percent increase in openings projected in Michigan through 2024. With further experience, you may also be qualified for careers including grounds crew supervisor and landscape manager. Median salary for these careers is \$43,290, with a 6.3 percent increase in openings projected in Michigan through 2024.

With a certificate in environmental horticulture from Macomb, you will be qualified for careers including gardener and nursery worker. Median salary for these careers is \$22,600, with a 2.2 percent decline in openings projected in Michigan through 2024.

For More Information

For more information, contact the Program Coordinator at 586.498.4100 or corbettv@macomb.edu.

Check out the current Continuing Education schedule of classes at: www.macomb.edu/continuinged

For general information about Macomb Community College, call 866.Macomb1 (866.622.6621) or answer@macomb.edu.



**Macomb
Community College**

Education • Enrichment • Economic Development

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Looking
for a
job?

Contact Career Services

586.445.7321

careerservices@macomb.edu