

LANDSCAPE MANAGEMENT, AAS

Program Code: AAS.LANDSCAPEMGMT

The Landscape Management degree prepares students for entry-level management positions in the landscaping industry by providing them business, communication and project management skills in addition to a basic understanding of, and hands-on experience with, the activities involved in the installation and maintenance of landscapes.

Sustainable practices, such as the use of Integrated Pest Management, water-efficient landscapes, and techniques that protect and care for the soil are emphasized throughout the program. Students use industry standard equipment and practices in the care of CCC's extensive landscape facilities, including an arboretum, water-efficient demonstration garden, large turf areas, and several annual, herbaceous perennial and shrub beds. CCC's landscape program is the only one in Oregon accredited by the National Association of Landscape Professionals (NALP). Students have the opportunity to compete on the team that attends NALP's National Collegiate Landscape Competition each year.

Students completing the Landscape Management AAS with a 2.5 GPA or higher are eligible to take the Oregon Landscape Contractors License exam.

Following the course offerings in the order listed is not required, but will allow for completion in a two-year period.

Oregon State Transfer Agreement

Some horticulture classes transfer to Oregon State University as part of a bachelor's degree. Landscape students planning to continue their studies at a four-year college should consult the Horticulture advisor to obtain the most recent transfer information.

For information contact April Chastain, Horticulture Department advisor, 503-594-3055 or april.chastain@clackamas.edu.

OSU Transfer Courses

Code	Title	Credits
HOR-112	Horticulture Career Exploration	2
HOR-215	Herbaceous Perennials	3
HOR-226	Plant Identification/Fall	4
HOR-228	Plant Identification/Spring	4
HOR-246	Organic Farming and Gardening	2

Note: Many of the horticulture courses will also transfer as Lower Division Collegiate (LCD) credits.

Outcomes

Related Instruction Outcomes

Computation

- 1 course - MTH-050 Technical Mathematics I or MTH-065 Algebra II or higher
- Use appropriate mathematics to solve problems.

Communication

- 1 course - WR-101 Communication Skills: Occupational Writing or WR-121 English Composition
- Read actively, think critically, and write purposefully and capably for professional audiences.

Human Relations

- 1 course - BA-285 Human Relations in Business or COMM-100 Basic Speech Communication
- Engage in ethical communication processes that accomplish goals.

Physical Education/Health/Safety/First Aid

- 1 course - HOR-115 Horticulture Safety
- Use effective life skills to improve and maintain mental and physical wellbeing.

Program Outcomes

Upon successful completion of this program, students should be able to:

- demonstrate competency in sustainable landscape maintenance and installation activities, including: safe use of tools and equipment, operation of irrigation systems, pruning and training techniques, turf maintenance, hardscape installation and reading/installing from a design plan;
- identify common woody and herbaceous plants in the landscape;
- recognize and evaluate key pests in the landscape and propose solutions based on integrated pest management (IPM) strategies;
- use a basic understanding of plant biology and soil science to make sound decisions in the design and maintenance of landscapes;
- display effective decision making, time management and project management skills in the landscape industry environment;
- effectively communicate with co-workers and customers through speaking, writing and computer technology.

Requirements

Course	Title	Credits
First Year		
Fall Term		
HOR-111	Horticulture Practicum/Fall	2
HOR-115	Horticulture Safety	1
HOR-223	Applied Plant Science	4
HOR-226	Plant Identification/Fall	4
Select one of the following:		4-5
MTH-050	Technical Mathematics I	
MTH-065	Algebra II	
Higher Level Math		
Credits		15-16
Winter Term		
FYE-101	First Year Experience Level I	2
HOR-131	Tree & Shrub Pruning	3
HOR-133	Horticulture Practicum/Winter	2
HOR-216	Integrated Pest Management	3
HOR-222	Horticultural Computer Applications	2
HOR-227	Plant Identification/Winter	4
Credits		16

Course	Title	Credits
Spring Term		
BA-285 or COMM-100	Human Relations in Business or Basic Speech Communication	3-4
HOR-120	Pesticide Laws & Safety	1
HOR-140	Soils	3
HOR-143	Horticulture Practicum/Spring	2
HOR-215	Herbaceous Perennials	3
HOR-228	Plant Identification/Spring	4
Credits		16-17
Summer Term		
HOR-281 or HOR-280 and HOR-282	Horticulture/CWE or Horticulture/CWE and Horticulture/ CWE	6
Credits		6
Second Year		
Fall Term		
HOR-224	Landscape Installation	3
HOR-235 or HOR-236	Weed Identification or Insect Identification	2
SPN-101	First-Year Spanish I	4
WR-101 or WR-121	Communication Skills: Occupational Writing or English Composition	3-4
Credits		12-13
Winter Term		
BA-119	Project Management Practices	2
HOR-229	Introduction to Landscape Design	3
HOR-230	Equipment Operation & Maintenance	2
HOR-231	Irrigation Design	3
HOR-237	Disease Identification	2
Electives (p. 2)		3
Credits		15
Spring Term		
BA-101	Introduction to Business	4
HOR-123	Landscape Maintenance	3
Select two courses of the following:		2
HOR-126	Landscape Water Features ¹	
HOR-127	Landscape Lighting ¹	
HOR-128	Landscape Stones & Pavers ¹	
HOR-129	Landscape Decks & Fences ¹	
HOR-240	Irrigation Practices	3
Electives (p. 2)		3
Credits		15
Total Credits		95-98

Electives

Code	Title	Credits
Summer		
HOR-146	Fruit & Berry Growing	3
HOR-211	Native Plant Identification	1
Fall		
HOR-225	Arboriculture I	3

Code	Title	Credits
Winter		
CDT-103	Computer-Aided Drafting I	3
HOR-239	Tree Climber Training	1
HOR-260	Arboriculture II	3
HOR-290	Special Topics in Horticulture	3
Spring		
HOR-126	Landscape Water Features ¹	1
HOR-127	Landscape Lighting ¹	1
HOR-128	Landscape Stones & Pavers ¹	1
HOR-129	Landscape Decks & Fences ¹	1
HOR-234	Advanced Landscape Design ¹	3
HOR-244	Ecological Landscape Design ¹	3
HOR-246	Organic Farming and Gardening	2
HOR-261	Tree Diagnostics	2
Multiple Terms		
BA-223	Principles of Marketing	4
WET-109	Backflow Assembly Operation and Testing	4

¹ Offered alternate years

Careers

Career opportunities include:

- supervisory or skilled landscape technician position for a landscape design/build company
- irrigation specialist
- estate garden
- parks department
- arboretum
- golf course
- self-employed designer
- installation/ maintenance contractor