

Horticulture

Associate of Applied Science Degree

In keeping with the college mission, the Horticulture Department provides quality education and training for industry and community members. Course offerings in greenhouse, landscape, environmental education, and nursery management integrate technical knowledge, critical thinking, practical skills, and environmental stewardship.

Horticulture is a hands-on, broad-based curriculum where students participate in a laboratory-style practicum class which develops a full season's experience in growing and caring for plants. Students are involved in the day-to-day operation and maintenance of CCC's extensive greenhouse and landscape facilities, while training with tools of the trade: mowers, rototillers, tractors, pesticide applicators, greenhouse equipment and pruning tools. Students cultivate CCC's award-winning, All-American Selections Garden and landscape areas on the campus.

CCC's Horticulture and Landscape programs are the only programs accredited in Oregon by the Professional Landcare Network (PLANET). This accreditation provides students with enhanced opportunities to follow national PLANET landscaping standards.

Students may begin this program any term. Degree options include a one-year certificate program or a two-year associate's degree program. Following the course offerings in the order listed is encouraged unless otherwise advised by the horticulture advisor. The certificate and associate's degree programs include a cooperative work experience class which requires working with a horticultural employer.

PROGRAM OUTCOMES

Program outcomes includes the skills necessary for entry-level employment into tree, shrub, or perennial plant nurseries, greenhouse work, plant propagation, landscape design, landscape installation and maintenance, maintenance of interior plants, landscape supply and equipment sales.

Students are eligible to sit for the Oregon Certified Nursery Professional Exam. Students completing the Horticulture Associate of Applied Science (AAS) Degree with a 2.5 GPA or higher, are eligible to take the Oregon Landscape Contractors License Exam.

CAREERS

Career opportunities include nursery and garden center manager and associate, nursery production, greenhouse grower, organic food production, supply and equipment sales, landscape design, installation and maintenance worker, parks department personnel and groundskeeper.

For information contact Elizabeth Howley, Horticulture advisor, 503-594-3295 or ehowley@clackamas.edu

OSU TRANSFER AGREEMENT

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

OSU TRANSFER COURSES

COURSE		CREDITS
HOR-215	Herbaceous Perennials	3
HOR-226	Plant Identification/Fall	3
HOR-227	Plant Identification/Winter	3
HOR-228	Plant Identification/Spring	3

HORTICULTURE ASSOCIATE OF APPLIED SCIENCE DEGREE: 1ST YEAR

FALL TERM		CREDITS
CS-091	Computers for New Users II	2
HOR-111	Horticulture Practicum/Fall	6
HOR-122	Greenhouse Crops-Potted Plants	3
or HOR-224	Landscape Installation	3
HOR-226	Plant Identification/Fall	3
MTH-050	Technical Mathematics I	3-4
or MTH-065	Algebra II (or higher level of math)	3-4
WINTER TERM		
HOR-130	Plant Propagation Theory	3
or HOR-131	Tree & Shrub Pruning/Winter	3
HOR-132	Pesticide Selection & Use	6
HOR-133	Horticulture Practicum/Winter	2
HOR-222	Horticultural Computer Applications	3
HOR-227	Plant Identification/Winter	3
SPRING TERM		
HOR-140	Soils & Fertilizers	3
HOR-142	Greenhouse Crops-Bedding Plants	3
or HOR-145	Turf Installation & Maintenance	6
HOR-143	Horticulture Practicum/Spring	3
HOR-228	Plant Identification/Spring	6
SUMMER TERM		
HOR-281	Horticulture/CWE	6
or HOR-280	Horticulture/CWE	
and HOR-282	Horticulture/CWE	

HORTICULTURE ASSOCIATE OF APPLIED SCIENCE DEGREE: 2ND YEAR

FALL TERM		CREDITS
SPN-101	First Year Spanish	4
WR-101	Communication Skills: Occupational Writing	3-4
or WR-121	English Composition	6
— —	Horticulture program electives	6
WINTER TERM		
BA-250	Small Business Management	3
HOR-230	Equipment Operation & Maintenance	3
— —	Horticulture program electives	6
SPRING TERM		
COMM-100	Basic Speech Communication	3
HE-252	First Aid/CPR	3
— —	Horticulture program electives	6
<i>Credits required for degree</i>		92-94

HORTICULTURE PROGRAM ELECTIVES

COURSE		CREDITS
HOR-114	Garden Design	1

HOR-122	Greenhouse Crops—Potted Plants	3
HOR-123	Landscape Maintenance	3
HOR-124	Food Harvest	3
HOR-125	Food Production in the Willamette Valley	3
HOR-130	Plant Propagation Theory	3
HOR-131	Tree & Shrub Pruning/Winter	3
HOR-134	Herb Growing & Gardening	1
HOR-135	Propagation of Edible Plants	3
HOR-142	Greenhouse Crops—Bedding Plants	3
HOR-144	Basic Pruning	1
HOR-145	Turf Installation & Maintenance	3
HOR-146	Fruit & Berry Growing	3
HOR-147	Marketing Water Efficient Landscaping	1
HOR-148	Farm Equipment	3
HOR-211	Native Plant Identification	1
HOR-212	Flower Arranger's Garden/Fall	3
HOR-213	Computer-Aided Landscape Design	3
HOR-215	Herbaceous Perennial Plants	3
HOR-216	Integrated Pest Management	2
HOR-220	Plant Propagation/Fall	3
HOR-224	Landscape Installation	3
HOR-225	Principles of Arboriculture	3
HOR-229	Basic Landscape Design	3
HOR-231	Irrigation & Drainage Design	3
HOR-232	Commercial Floral Design	3
HOR-234	Intermediate Landscape Design	3
HOR-235	Weed Identification	2
HOR-236	Insect Identification	2
HOR-237	Disease Identification	2
HOR-239	Tree Climber Training	2
HOR-240	Irrigation & Drainage Practices	3
HOR-241	Nursery Management	3
HOR-242	Plant Propagation/Spring	3
HOR-244	Environmental Landscape Design	3
HOR-246	Organic Farming & Gardening	3
HOR-247	Hardscape Installation	3
HOR-248	Flower Arranger's Garden/Spring	3
HOR-250	Western Herbs	2
HOR-251	Herbal Products	1
HOR-252	Kitchen Herbs	1
HOR-280	Horticulture/CWE	3
HOR-281	Horticulture/CWE	6
HOR-282	Horticulture/CWE	3