

Horticulture

ASSOCIATE OF APPLIED SCIENCE DEGREE CERTIFICATE

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 CCC campus.

CCC's Horticulture and Landscape programs are the only programs accredited in Oregon by the Professional Land-care 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 should include 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, ext. 2389 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 advisor. The horticulture advisor will work with individual students in order 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 CERTIFICATE

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-123	Landscape Maintenance	
HOR-226	Plant Identification/Fall	3
MTH-050	Technical Mathematics I	3-5
or MTH-065	Algebra II (or higher level of math)	
WINTER TERM		
HOR-130	Plant Propagation Theory	3
or HOR-131	Tree & Shrub Pruning/Winter	
HOR-132	Pesticide Selection & Use	3
HOR-133	Horticulture Practicum/Winter	6
HOR-222	Horticultural Computer Applications	2
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	
HOR-143	Horticulture Practicum/Spring	6
HOR-228	Plant Identification/Spring	3
SP-100	Basic Speech Communication	3
SUMMER TERM		
HOR-280	Horticulture/CWE	3
WR-101	Communication Skills: Occupational Writing	3-4
or WR-121	English Composition	
<i>Minimum credits required for certificate</i>		58-61

Continued

CAREER TECHNICAL PROGRAMS

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 or HOR-123 Landscape Maintenance	3
HOR-226 Plant Identification/Fall	3
MTH-050 Technical Mathematics I or MTH-065 Algebra II (or higher level of math)	3-5

WINTER TERM

HOR-130 Plant Propagation Theory or HOR-131 Tree & Shrub Pruning/Winter	3
HOR-132 Pesticide Selection & Use	3
HOR-133 Horticulture Practicum/Winter	6
HOR-222 Horticultural Computer Applications	2
HOR-227 Plant Identification/Winter	3

SPRING TERM

HOR-140 Soils & Fertilizers	3
HOR-142 Greenhouse Crops-Bedding Plants or HOR-145 Turf Installation & Maintenance	3
HOR-143 Horticulture Practicum/Spring	6
HOR-228 Plant Identification/Spring	3

SUMMER TERM

HOR-281 Horticulture/CWE or HOR-280 Horticulture/CWE or HOR-282 Horticulture/CWE	6
--	---

HORTICULTURE ASSOCIATE OF APPLIED SCIENCE DEGREE:

2ND YEAR

FALL TERM

	CREDITS
SPN-101 First Year Spanish	4
WR-101 Communication Skills: Occupational Writing or WR-121 English Composition	3-4
— — Horticulture program electives	6

WINTER TERM

HOR-230 Equipment Operation & Maintenance	3
— — Select one: BA-101, BA-211, BA-223, HOR-238	3-4
— — Horticulture program electives	6

SPRING TERM

HE-252 First Aid/CPR	3
SP-100 Basic Speech Communication	3
— — Horticulture program electives	6

Minimum credits required for degree 92-96

HORTICULTURE PROGRAM ELECTIVES

COURSE

	CREDITS
HOR-114 Garden Design	1
HOR-122 Greenhouse Crops—Potted Plants	3
HOR-123 Landscape Maintenance	3
HOR-130 Plant Propagation Theory	3
HOR-131 Tree & Shrub Pruning/Winter	3
HOR-134 Herb Growing & Gardening	1
HOR-142 Greenhouse Crops—Bedding Plants	3
HOR-144 Basic Pruning	1
HOR-145 Turf Installation & Maintenance	3
HOR-146 Fruit Tree Short Course	1
HOR-147 Marketing Water Efficient Landscaping	1
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-223 Flower Arranging	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-233 Plant Propagation/Winter	3
HOR-234 Intermediate Landscape Design	3
HOR-235 Weed Identification	2
HOR-236 Insect Identification	2
HOR-237 Disease Identification	2
HOR-238 Landscape Business Operations	3
HOR-239 Tree Climber Training	2
HOR-240 Irrigation & Drainage Practices	3
HOR-241 Nursery Management	3
HOR-242 Plant Propagation/Spring	3
HOR-243 Tree & Shrub Pruning/Spring	3
HOR-244 Environmental Landscape Design	3
HOR-245 Advanced Landscape Design	3
HOR-246 Organic Gardening	3
HOR-247 Hardscape Installation	3
HOR-248 Flower Arranger's Garden/Spring	3
HOR-250 Western Herbs	1
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