

Horticulture Program

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The Horticulture program offers career training and education for those entering the career field and for those already employed. The program curriculum includes a wide variety of topics ranging from plant propagation to sustainable landscape design. Chemeketa has a well-equipped greenhouse in which students will acquire hands-on training in the basic knowledge and technical skills required for successful employment in a variety of positions in the horticulture industry.

You may be interested in our Cooperative Work Experience program, which allows you to earn college credit for work relating to your program. With the approval of the program chair, you may enroll in HOR280B-L Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

Horticulture Associate of Applied Science Degree

The Horticulture program prepares students for occupations in greenhouse and nursery production, propagation, or plant protection as managers, crew leaders, inventory controllers, irrigation specialists, plant sellers, or customer service representatives. The program offers a two-year associate of applied science degree.

For more information about the program, contact Joleen Schilling at 503.399.5150.

Program outcomes

Students completing the Horticulture degree should be able to:

- Perform skills and use equipment necessary to propagate, transplant, fertilize, irrigate, prune, and otherwise regulate growth of plants produced in the nursery and greenhouse
- Recognize, name, and understand management requirements for plants commonly grown in the Oregon nursery and greenhouse industry and their associated pests
- Demonstrate knowledge of government regulations related to nursery and greenhouse operations, workplace safety, water regulations, pesticide safety, and crop sanitation requirements to effectively manage a nursery or greenhouse
- Evaluate production practices in terms of currently understood principles of sustainability

Getting started

The first step to entering this program is to take part in an assessment process, which includes taking the college's free placement test and meeting with Advising and Counseling Services. You may need to complete program entry requirements. Then your advisor will help you develop an individualized program of study, which may include one or more of the following:

CA121A	Keyboarding A (if less than 25 wpm).....	1
MTH060	Introductory Algebra.....	4
RD115	Academic Thinking and Reading.....	3
SSP112	Effective Learning.....	3
WR115	Introduction to Composition.....	4

Note: In some cases, students can enroll in program courses without competing all of the above prerequisite courses. If you have questions about the program requirements, contact the Agricultural Sciences department at 503.399.5139 or e-mail sherrie.magarrell@chemeketa.edu.

In addition to tuition, estimated costs for students who complete the entire program listed below are books, \$3,125; class fees, \$648; universal fee, \$1,372. Contact the Financial Aid Office at 503.399.5018 to find out if you qualify for help with these costs.

You may earn an associate of applied science degree by successfully completing the required 97 credit hours with a grade of "C" or better in all courses:

Course	Title	Credit Hours
Term 1		
CIS101	Introduction to Microcomputer Applications (or higher).....	3
HOR111	Introduction to Horticulture.....	3
WR121	The College Essay+ (or higher).....	4
	Horticulture elective*	4
Term 2		
HOR211	Plant Propagation.....	4
MTH070	Elementary Algebra+ (or higher).....	4
PSY104	Workplace Psychology+ (or higher)	4
SOIL205	Soil Science	4



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Term 3

BI153	Fundamentals of Plant Biology	4
COMM111	Fundamentals of Public Speaking (or higher).....	4
	or	
COMM115	Introduction to Intercultural Communication (or higher).....	4
HOR221	Nursery Production and Management.....	3
WR227	Technical Writing (or higher).....	4

Term 4

HOR237	Integrated Pest Management: Insects and Diseases	4
SPN101	First Year Spanish, Term 1 (or higher).....	4
	Horticulture elective*	4
	Plant Identification course**.....	4

Term 5

HOR112	Pesticides and Safety	2
HOR225	Greenhouse Production and Management.....	4
SPN102	First Year Spanish, Term 2(or higher).....	4
	Horticulture elective*	4
	Plant Identification course**.....	4

Term 6

HOR224	Horticulture Practicum.....	4
HOR236	Integrated Pest Management: Weeds	3
	Horticulture elective*	2
	Plant Identification course**.....	3

Term 7

HOR280F	Cooperative Work Experience	6
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+Meets related instruction requirement, see page 50. For subject areas, see page 56.

***Horticulture electives (select 14 credit hours):**

BI131	Environmental Science 1	4
BI132	Environmental Science 2	4
BI133	Environmental Science 3	4
CH121	College Chemistry (or higher)	5
HOR110	Bees and Other Pollinators	2
HOR115	Nursery and Greenhouse Equipment and Safety..	3
HOR116	Introduction to Phytotechnology	4
HOR201	Growing Vegetables in the Willamette Valley	4
HOR212	Advanced Plant Propagation.....	2
HOR238	Plant Problem Diagnosis	2
HOR240	Sustainable Landscape Design.....	4
HOR251	Growing Fruit in the Willamette Valley.....	3
HOR256	Identification of Herbaceous Plants 2	2
HOR257	Horticultural Marketing	3
HOR273	Urban and Community Forestry	2
HOR275	Innovative Strategies for Water Management in Nurseries	2
HOR276	Organic Gardening.....	3
HOR277	Composting.....	2

****Plant Identification courses (select 11 credit hours):**

HOR226	Fall Plant Identification.....	4
HOR227	Winter Plant Identification.....	4
HOR228	Spring Plant Identification	4
HOR255	Identification of Herbaceous Plants 1	3