



HORTICULTURE

2007-2008

Also see *Environmental Horticulture for Transfer Degree information*

The Green Industry is a huge industry with many different career opportunities. Nursery sales exceed \$55 billion nationally. California sells \$13.26 billion in nursery and floral products annually and the Landscape Industry continues to grow rapidly as population increases both statewide and locally. The Shasta College Horticulture Program will introduce students to an array of horticulture opportunities and provide them with the necessary skills to begin a career in the horticultural field. Job opportunities continue to outnumber the number of graduates in our local area. Career choices range from city and county parks; state and federal organizations; garden centers, independent, local and national chains; landscape maintenance business; floral design and arrangement; landscape design and installation and nursery and landscape management positions. Courses include directed practical experience in a modern horticulture facility that includes a floral lab room, 7,000 square feet of greenhouses and 20,000 square feet of landscaping. Many landscaping operations are also done on the beautiful 300-acre college campus.

Students should contact their counselor or environmental horticulture faculty advisor to choose electives for the particular career they are planning to enter. Particular attention should be paid to course prerequisites and whether a class is taught fall or spring semester, or both.

REQUIREMENTS FOR ASSOCIATE IN SCIENCE DEGREE

Students who do not qualify for advanced levels of mathematics are strongly encouraged to enroll in MATH 100-Technical Applications of Math as preparation for degree requirements.

Recommended Course Sequence:

First Semester (Fall)

ENVR 52	Computers in Agriculture/Natural Resources	3
HORT 22	Nursery Practices and Plant Propagation	2
HORT 27	Plant Identification and Taxonomy	1
HORT 28	Plant Identification and Taxonomy	1
HORT 29	Plant Identification and Taxonomy	1
HORT 33	Environmental Horticulture	3
	<i>General Education (Oral Communication)</i>	3

Second Semester (Spring)

HORT 23	Nursery Practices and Management	2
HORT 35	Landscape Design	3
HORT 38	Landscape and Turf Management	3
MATH 100*	Technical Applications of Mathematics	3
	<i>General Education (Multicultural/Living Skills)</i>	3

Third Semester (Fall)

ENGL 1A*	College Composition	4
ENVR 44	Mechanical Tech. for Environ. Resources	3
HORT 31.1	Landscape Irrigation - Design	1
HORT 31.2	Landscape Irrigation - Installation	1
HORT 31.3	Landscape Irrigation – Troubleshoot and Schedule	1

HORT 56	Ornamental Horticulture Practices	OR	1-4
HORT 94	Horticulture Worksite Learning		1-4
	<i>General Education (Humanities)</i>		3

Fourth Semester (Spring)

CHEM 2A	Introduction to Chemistry	5
ENVR 24	Soils	3
HORT 7	Horticulture Careers Survey and Placement	1
HORT 26	Plant Protection	3
NR 83	Introduction to Global Positioning Systems (GPS)	1
	<i>General Education (Social Science)</i>	3
	<i>Elective courses to complete A.S. Degree</i>	1-2

Associate in Science Degree Requirements		
Major		46-49
General Education		12
Electives		1-2
TOTAL		60-63

*Can be used to fulfill General Education requirements.

- Students planning to transfer to a college or university should consult a counselor or Horticulture Faculty Advisor regarding transfer requirements. **TRANSFER REQUIREMENTS MAY BE DIFFERENT FROM A.S. DEGREE REQUIREMENTS.**

REQUIREMENTS FOR HORTICULTURE CERTIFICATE:

CORE COURSES FOR CERTIFICATE:

ENGL 190	Reading and Writing II ** (see below for alternative)	4
ENVR 24	Soils	3
ENVR 44	Mechanical Tech. for Environ. Resources	3
ENVR 52	Computers in Agriculture/Natural Resources	3
HORT 7	Horticulture Careers Survey and Placement	1
HORT 22	Nursery Practices and Plant Propagation	2
HORT 23	Nursery Practices and Management	2
HORT 26	Plant Protection	3
HORT 27	Plant Identification and Taxonomy	1
HORT 28	Plant Identification and Taxonomy	1
HORT 29	Plant Identification and Taxonomy	1
HORT 31.1	Landscape Irrigation – Design	1
HORT 31.2	Landscape Irrigation – Installation	1
HORT 31.3	Landscape Irrigation – Troubleshoot/Schedule	1
HORT 33	Environmental Horticulture	3
HORT 35	Landscape Design	3
HORT 37	Nursery and Florist Management	3
HORT 38	Landscape and Turf Management	3
HORT 56	Ornamental Horticulture Practices OR	1-4
HORT 94	Horticulture Worksite Learning	1-4
MATH 100	Tech. Applications of Math or Math Placement Level 3	3
NR 83	Introduction to Global Positioning Systems (GPS)	1

TOTAL UNITS FOR CERTIFICATE **44-47**

******Students may choose one of the following alternatives: ENGL 190 **OR** a combination of ENGL 191, **and** two units selected from the following courses: ENGL 192, ENGL 193 or ENGL 194 for a total of 4 units.