

PROGRAM OF STUDY

Associate in Science in Agriculture Plant Sciences for Transfer

The Horticulture program prepares students for entry level to management jobs and self-employment in diverse horticulture businesses, as well as preparing students to transfer to the CSU to pursue baccalaureate degrees in Agriculture, Agriculture and Environmental Plant Sciences, Agricultural Education, and Sustainable Agriculture. Students will demonstrate knowledge of basic plant science, soil and soil testing, integrated pest management, evaluating the cost of production using different production techniques, and developing crop production plans for various crops. Careers related to this field include ornamental and edible crop production and landscape horticulture. The program also provides a foundation for students in Ornamental Horticulture and Landscape Architecture, and affords local horticulturists and working professionals the means to upgrade their skills and knowledge. Opportunities to obtain valuable experience are provided in the greenhouse/farm facility and by working to enhance campus landscapes.

1. Analyze a soil test and pest management plan to produce a common crop in Santa Cruz County.
2. Evaluate production techniques to achieve a cost-effective crop.

Cabrillo offers options for degrees in Agriculture. The first option listed below is the Associate in Science in Agriculture Plant Science for Transfer (A.S.-T in Agriculture Plant Science), which is intended for students who plan to transfer and complete a bachelor's degree in Agriculture or a similar major at a CSU campus (CSU Chico, CSU Cal Poly Pomona and CSU Stanislaus). Students completing the Agriculture Plant Science for Transfer are guaranteed admission to the CSU system, but not to a particular campus or major. This Associate in Science in Agriculture Plant Science for Transfer A.S.-T may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. See Associate Degree for Transfer information in the Cabrillo College *Catalog*.

The college also offers Horticulture degrees, including A.S. degrees in General and Crop Science. Separate Certificates of Achievement may be obtained in other areas of concentration, and eight Skills Certificates in Horticulture are available.

The following is required for all A.A.-T or A.S.-T degrees:

- 60 semester or 90 quarter CSU-transferable units.
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.

Completion of CSU or IGETC for CSU General Education Requirements

GE Units

37 - 39

Core Courses - Take all Core Courses

HORT 1A	Basic Horticulture	4
HORT 2	Soil Science and Management	4
CHEM 1A	General Chemistry I	5
ECON 1B	Introduction to Microeconomics	3
BUS 9	Business Statistics	3
	or	
MATH 12	Elementary Statistics	5
	or	
MATH 12H	Honors Elementary Statistics	5
	or	
PSYCH 2A	Statistics for Behavioral Sciences	3

List A - Select one course from:

HORT 62	Fall Plant Materials and Design	3
	or	
HORT 63	Spring Plant Materials and Design	3

List B - Other courses recommended, if needed based on specific CSU campus requirements (see www.ASSIST.org)

BIO 11A	General Biology	4
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HORT 1B	Basic Horticulture: Crop Production	4
PHYS 10	Introduction to Physics	3
	and	
PHYS 10L	Introduction to Physics Lab	1

Units

BIO, CHEM, ECON, PHYS and all Statistics courses are also General Education courses

Total Units **60**

PID 853