

DEGREES & CERTIFICATES

HORTICULTURE ASSOCIATE OF SCIENCE (AS)

About the Program

The Associate of Science in Horticulture is designed to prepare students to have a broader education basis and writing ability that can give them an advantage for promotional opportunities in the field of Horticulture.

Program Goals and Objectives

The Associate of Science in Horticulture is designed to prepare students to have a broader education basis and writing ability that can give them an advantage for promotional opportunities in the field of Horticulture.

Career Opportunities

Career opportunities for students who complete this program include technical, supervisory and management positions in the fields of: retail, wholesale, and grower nursery management; landscape and irrigation maintenance, installation, and design; and landscape management of gardens, parks, golf courses, and sports fields.

Program Outcomes

- Upon completion of the AS in Horticulture, students are able to accurately identify a set of plant material; use that plant material in a landscape design; and prepare a maintenance schedule for the chosen plant materials.
- Upon completion of the AS in Horticulture, students are able to demonstrate an understanding of the principles of ornamental horticulture, landscape maintenance and construction, nursery, greenhouse, and grower operations, and landscape design sufficient to seek employment in a technical or supervisory horticultural position.
- Upon completion of the AS in Horticulture, students are able to select plant materials for a given landscape based on water requirements, soil type, pest and disease resistance, growth habits, and design requirements.

Required Core: (25 Units)

HORT 50 Introduction to Horticulture.....	3
HORT 51 Fall Plant Material Identification.....	3
HORT 52 Spring Plant Material Identification.....	3
HORT 53 Landscape and Vineyard Pest and Disease Management.....	3
HORT 54 Landscape and Vineyard Soils, Fertilizers, and Irrigation.....	3
HORT 56 Arboriculture/Urban Forestry.....	3
HORT 57 Landscape and Turfgrass Management.....	2
HORT 59 Landscape Design.....	2
HORT 60 Landscape Irrigation Systems.....	3

List A: Select three (6-9 Units)

HORT 55 Greenhouse, Nursery, and Garden Center Management.....	3
HORT 58 Landscape Construction.....	3
HORT 62 California Native and Dry Landscapes.....	2
HORT 63 Sustainable Landscape.....	2
HORT 67 Interior Landscapes.....	2
HORT 71 Fundamentals of Hydroponics and Aquaponics.....	2
HORT 73 Computer Aided Design.....	3

Total Units for the Major.....31-34

PROGRAM-BASED GENERAL EDUCATION REQUIREMENT: (3 Units)

BIO 40 Humans and the Environment.....	3
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Additional General Education and Elective Units..... 23-26