

ASSOCIATE OF SCIENCE IN ORNAMENTAL HORTICULTURE (AS)

This degree prepares students for entry-level employment in the field of Ornamental Horticulture through the study of plant health, identification, sales, and marketing. Students will acquire skills in propagation, cultural management practices, and sales of ornamental plants in a nursery setting.

Program Outcomes

- Identify and classify common landscape plants utilized in the climate zones of the Central Valley, and describe their cultural requirements.
- Prepare appropriate growth media and utilize common horticultural techniques and practices to propagate and produce ornamental plants in containers.
- Demonstrate effective oral and written communication skills.
- Describe and demonstrate the safe and efficient use of tools, equipment and materials commonly used in ornamental horticulture and nursery management.

Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment as: plant propagators, greenhouse managers, nursery foremen, and pesticide applicators.

Note

This degree is not designed for transfer; however, the courses included in this degree may be transferable and apply to other degrees designed for transfer.

Program Requirements

| Code | Title | Units |
|--|--|-------|
| GENERAL EDUCATION AND SUBJECT REQUIREMENTS | | 25 |
| College of the Sequoias' Associate Degree General Education (COS-GE) | | |
| + | | |
| REQUIRED MAJOR COURSES | | 33 |
| AG 110 | Ag Leadership | 3 |
| AGMT 102 | Ag Sales and Marketing | 3 |
| AGMT 108 | Ag Business Computer Applications | 3 |
| OH 001 | Introduction to Horticultural Science | 3 |
| OH 002 | Plant Identification 1 | 3 |
| OH 003 | Plant Identification 2 | 3 |
| OH 105 | Plant Propagation | 3 |
| OH 204 | Nursery and Greenhouse Production | 3 |
| OH 220 | Diseases of Ornamentals | 3 |
| OH 222 | Pests of Ornamentals | 3 |
| WEXP 193F | Agriculture Work Experience – First Semester | 3 |
| + | | |
| RESTRICTED ELECTIVES | | 3 |
| Select three units from the following courses: | | |
| AG 004 | Soil Science * | 3 |

| | | |
|---|--------------------------------|-------|
| OH 007 | Principles of Landscape Design | 3 |
| OH 109 | Landscape Maintenance | 3 |
| OH 206 | Landscape Drafting | 3 |
| OH 208 | Landscape Construction | 3 |
| OH 210 | Turfgrass Management | 3 |
| OH 217 | Landscape Irrigation | 3 |
| OH 218 | Xeriscape: Water Conservation | 3 |
| + | | |
| ELECTIVES | | 0-2 |
| Select additional degree-applicable courses numbered 001 - 299 to achieve 60 units. | | |
| = | | |
| TOTAL | | 60-61 |

* Course meets General Education requirements and 3 units may double count above in COS-GE.

The Associate Degree requirements include completion of the:

1. Required major courses and restricted elective courses with a "C" or better grade in each course (required and restricted elective courses may be substituted with the approval of the Division Chair),
2. General Education requirements,
3. Subject requirements including PE, Health & Wellness, and American Institutions, and
4. A minimum of 60 units of degree applicable courses numbered 1-299, at least 12 of which must be taken in residence at College of the Sequoias, with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).