

AGRICULTURE – HORTICULTURE ASSOCIATE OF SCIENCE

Horticulture major leads to the Associate of Science degree and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be hired in the major or allied fields as a landscape designer, florist, nursery management, botanist, landscape architect or teacher. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

| Course Number | Course Name | Units |
|---------------|-----------------------------------|-------|
| AGR 100 | Plant Pest and Disease Management | 3 |
| AGR 140 | Introduction to Horticulture | 3 |
| AGR 208 | Soil Science | 4 |
| AGR 240 | Plant Identification-Fall | 3 |

Plus 9 additional units selected from the following

| Course Number | Course Name | Units |
|---------------|----------------------------------|-------|
| AGR 102 | Plant Propagation | 3 |
| AGR 142 | Landscape Maintenance | 3 |
| AGR 144 | Nursery Management and Practices | 3 |
| AGR 147 | Greenhouse Projects | 1 - 3 |
| AGR 151 | Landscape Irrigation | 2 |
| AGR 154 | Landscape Construction | 3 |
| AGR 241 | Plant Identification-Spring | 3 |
| WEE 196 | Work Experience Education | 1 - 8 |

Total Major Units **22**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Demonstrate a working knowledge of a variety of plants and their cultural requirements.
2. Demonstrate a working knowledge of basic plant biology.
3. Demonstrate a basic understanding of a plant's needs relative to water, fertility, light, heat and soil.
4. Demonstrate a working knowledge of plant types and their uses.
5. Demonstrate a working knowledge of basic propagation methods.
6. Demonstrate a basic ability to identify and classify plant types based on their botanical structures.