

ASSOCIATE OF SCIENCE IN PLANT SCIENCE (AS)

This degree prepares students for entry-level employment in the field of Plant Science through the study of soils, irrigation, weed control, plant diseases and pests, fertilizers, and cultivation of crops. Students will acquire skills in crop production to maximize yields as well as profits.

Program Outcomes

- Develop an understanding for current crop production methods and implement those methods in the field.
- Identify common problems in crop production and provide recommendations to improve quality and yields.
- Explain the relationships between plant, soil, and water, and their impact on crop production and the environment.

Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment in the following fields: irrigation technician, crop production, equipment sales, farm manager assistant, pesticide and fertilizer sales.

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		21
AG 003	Economic Entomology *	3
AG 004	Soil Science *	3
AGMT 001	Agriculture Economics *	3
PLSI 001	Intro to Plant Science	3
PLSI 106	Fertilizers and Soil Amendments	3
PLSI 108	Ag Water Management	3
WEXP 193F	Agriculture Work Experience – First Semester	3
+		
RESTRICTED ELECTIVES		12
Select a minimum of twelve units from the following courses:		
AG 002	Environmental Conservation	3
AG 125	Principles of Pesticide Use	3
AGMT 102	Ag Sales and Marketing	3
AGMT 104	Agriculture Accounting	3
PLSI 012	Fruit and Nut Production	3
PLSI 105	Weeds and Poisonous Plants	3
PLSI 110	Integrated Pest Management	3
PLSI 111	Citrus Production	3
PLSI 113	Grape Production	3

PLSI 118	Advanced Irrigation	3
+		
ELECTIVES		8
Select additional degree applicable courses numbered 1-299 to achieve 60 units.		
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TOTAL		60

* Courses meet General Education requirements and 6 units may double count above in 1 (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,
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).