

Agricultural Plant Science

Award Type: Associate in Science for Transfer

The Associate in Science for Transfer in Agricultural Plant Science provides an educational foundation for persons aspiring to careers in Agriculture. It prepares students for further studies toward a California State University (CSU) baccalaureate degree in Agriculture, Agricultural and Environmental Plant Sciences, Agricultural Science, Plant Science, Agriculture Education, and Agriculture Studies.

The graduate of the Associate in Science for Transfer in Agricultural Plant Science will:

- Apply current agricultural industry standards in the agricultural sciences or related fields.
- Assess and differentiate effects of agricultural activities in plant cropping systems, while describing alternative practices in order to make sound agricultural decisions that ensure the quality and success of a crop.
- Employ effective business, sales, marketing, and communication skills when presented with an agribusiness or farm management situation.
- Demonstrate comprehension of soils, fertilizers, plant nutrition, and current industry growing techniques and apply this understanding to successfully raise horticultural crops.
- Analyze current market trends, costs, and inputs, to provide sustainable solutions in farming systems.
- Understand the importance, value, characteristics and physiology of higher plants.

Program Requirements

A major of 22 units is required for the associate in science for transfer in agricultural plant science.

Required core courses (22 units):

Course Number	Course Title	Units
AG 125	Soils and Plant Nutrition	4.0
CHEM 120	Introductory Chemistry	4.0
AG 158	Agricultural Economics	3.0
MATH 123	Elementary Statistics	4.0
AG 161	Introduction to Plant Science	3.0
AG 160	Plant Propagation and Production	3.0

General Education

Complete one of the following:

- CSU General Education Breadth: 39 units, or
- Intersegmental General Education Transfer Curriculum (IGETC): 37 units

Double Counting - Total units that may be counted for the major and general education requirements: 6 units.

Electives - Complete additional CSU transferrable elective units as needed to total 60 units required for the degree: 5-7 units.