



General Agriculture Certificate

Agriculture is a vital component of our local, state, and national economies and offers many exciting employment opportunities. In addition to producing a wide range of valuable agricultural commodities, the Sacramento region is home to numerous multinational agricultural corporations and statewide governmental agencies.

Total Units: 15

First Year

Semester 1

6 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
AGB 300 ^Z Introduction to Agriculture Business	3		F(O), S(O)
AGB 310 Agriculture Computer Applications	3		F

^Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

Semester 2

3 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
PLTS 300 ^Z Introduction to Plant Science	3		S

^Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

Semester 3

6 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
HORT 302 ^{1 Z} Soils, Soil Management, and Plant Nutrition	3	HORT 300/PLTS 300	S
ANSC 300 ^Z Introduction to Animal Science	3		S

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Career

Options/Outlook:

Farm and Ranch Managers plan, direct, or coordinate the management or operations of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. They may hire, train, or supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. They may engage in supervised planting, cultivating, harvesting, financial, or marketing activities. Typical tasks may include inspecting orchards or fields to determine crop maturity or condition or to detect disease or insect infestation; directing crop production operations, such as planning, tilling, planting, fertilizing, cultivating, spraying, or harvesting. **Career opportunities require more than two years of college study.**

A sample of reported job titles:

Accredited Farm Manager (AFM), Cash Crop Farmer, Dairy Farmer, Farm Manager, Farm Operator, Farmer, Grain Farmer, Ranch Manager, Rancher, Sow Farm Manager

Projected job openings in California (2020-2030):

8,160

Projected growth in California:

-5% (decline)

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = online available (P) = partially online

¹ Also listed as PLTS 310

Median Salary in California (2021) with advanced degree:

\$84,820/yr

Source:

<https://www.onetonline.org/link/summary/11-9013.02>

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.