



# General Agriculture A.S. Degree - Welding Concentration

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. This program is designed for students majoring in Agriculture while allowing students to select courses that fit their individual needs and desires.

**Total Units: 56-61.5**

## First Year

### Semester 1

13.5-14.5 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>AGB 310</b> Agriculture Computer Applications	3		F	
<b>HORT 300</b> <sup>Z</sup> Introduction to Horticulture	3		F, S	
<b>WELD 100</b> <sup>Z</sup> Introduction to Welding & Safety	1.5		F, S, Su	
<b>CRC Area II(a)-Writing Competency</b> <sup>Z</sup>	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
<b>CRC Area II(b)-Math Competency</b> <sup>Z</sup>	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)

<sup>Z</sup> 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

14-15 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>AGB 321</b> <sup>Z</sup> Agriculture Economics	3		S	CRC Area V(b)
<b>PLTS 300</b> <sup>Z</sup> Introduction to Plant Science	3		S	CRC Area IV
<b>CRC Area V(a)-American Institutions</b> <sup>Z</sup>	3		F, S, Su	CRC Area V(a)

## 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 may require more than an associate degree.**

### 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

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>CRC Area VI-Ethnic/Multicultural Studies</b> <b>Z</b>	3		F, S, Su	CRC Area VI
<b>CRC Area III(a)-Physical Edu Activity</b> <b>Z</b>	1		F, S, Su	CRC Area III(a)
<b>Elective<sup>1</sup></b>	1-2		F, S, Su	

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<sup>1</sup> Units required are determined by the number of units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

## Year 2

### Semester 3

16 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>AGB 320</b> Agriculture Accounting	3		F	
<b>AMT 306</b> Small Engine Repair <b>Z</b>	3	Advisory: AMT 300	F	
<b>WELD 110</b> Shielded Metal Arc Welding Procedures <b>Z</b>	4	WELD 100 or 160	F	
<b>CRC Area I-Humanities</b> <b>Z</b>	3		F, S, Su	CRC Area I
<b>Elective<sup>1</sup></b>	3		F, S, Su	

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### Semester 4

12.5-16 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>HORT 302</b> Soils, Soil Management, and Plant Nutrition <b>Z</b>	3	HORT 300/PLTS 300	S	
<b>ANSC 300</b> Introduction to Animal Science <b>Z</b>	3		S	CRC Area IV

## Projected growth in California:

-5% (decline)

## Median Salary in California with advanced degree (2021):

\$84,820/yr

## Source:

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

## Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

## General Education (GE):

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

## Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

## About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>AGB 498</b> <sup>Z</sup> Work Experience in Agriculture Business	0.5-4		F(O, P), S(O, P), Su(O)	CRC Area III(b)
<b>Elective</b> <sup>1</sup>	3		F, S, Su	
<b>Elective</b> <sup>1</sup>	3		F, S, Su	

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<sup>^</sup>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.

\*<sup>(O)</sup> = online available (P) = partially online

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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.