

# Ornamental Horticulture

## Description of Pathway:

Agriculture is one of California's largest, most vital industries. There are currently more job openings than there are applicants. Over 10% of California workers are engaged in agriculture or related occupations.

District: Livermore Valley Joint Unified School District

School Site: Livermore and Granada

LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Career Technical Education Courses	Other Required Courses or Recommended Electives	Related Occupations, Certifications, and Student Clubs
								Occupations Requiring less than a Baccalaureate Degree
POSTSECONDARY	9	English	Algebra, Geometry,	Earth Science or Forensic Science	Social Science 9	Agricultural Science	Physical Education, Health, World Language	➤ Nursery Sales Associate ➤ Tree Trimmer/Pruner ➤ Landscape Equipment Operator ➤ Landscape Contractor ➤ Floral Designer  Occupations Requiring a Baccalaureate Degree  ➤ Teacher (secondary) ➤ Greenhouse and Nursery Manager ➤ Landscape Architect Dealer ➤ Entomologist  Industry recognized Certifications and Credentials related to this Pathway  ➤ Teaching Credential ➤ AS: Horticulture ➤ Horticulture Certificate   Student Clubs or Organizations ➤ FFA
	10	English 10/Honors	Geometry or Algebra II	Agricultural Biology	World History or AP World History	Floriculture or Wildlife Management	Physical Education, Ag Business or World Language	
	11	English 11/Honors	Algebra II, Adv Algebra or Pre-Calculus	Chemistry	U.S. History, Honors U.S. History, or AP U.S. History	Advanced Floriculture or Ornamental Horticulture	World Language, CADD or VPA Elective	
	12	English Composition or other English Electives	Pre-Calculus, Calculus, AP Calculus, or Statistics	Conceptual Physics or Physics	Civics/Economic or AP Civics/Economics	Art and History of Floral Design, or Agricultural Projects	World Language or VPA	
*Articulated Dual Credit courses may be taken/moved to the secondary level for articulation/dual credit purposes. <i>Italicized</i> courses are Las Positas (LPC)								
POSTSECONDARY	Year 13	English	Geometry	Chemistry, Physics, or Astronomy	Humanities	<i>*HORT 50, 51, 52</i>	HORT 95 & 96 GE req.	
	Year 14			Geology or Physiology	Liberal Studies	<i>*HORT 53, 54, 55, 64</i>	HORT 65, 66, 67 GE req.	
	Year 15						Upper Division Core	
	Year 16						Upper Division core	

## Work-Based Learning Opportunities

- Job-Shadows
- Internships
- Teacher's Aide
- JA Mentor
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