

School: **El Capitan High School**

Academy/Pathway: **Agriculture / Sustainable AG**



Grossmont Union High School District

L e v e l	G r a d e	English Language Arts	Math	Social Studies	Science	Career Technical Education	Other Required Courses or Recommended Electives	Additional Pathway Information
S e c o n d a r y	9	English 1, 2	Integrated Math I	Geography	Science Y1	California AG 1, 2 T870 / T871 AND Bio & Sustainable AG 1, 2 T250 / T251, UC-d OR Integrated AG Bio 1H, 2H T210 / T211, UC-d	P.E. Y1 WorldLanguage 1, 2 Visual and Performing Arts Y1	Potential Careers related to AG Business: <ul style="list-style-type: none"> • Agricultural Scientist • Environmental Scientist • Veterinarian • Resource Manager • Ecologist • Environmental Engineer • Environmental Manager Cuyamaca Community College Program Offerings: <ul style="list-style-type: none"> • Associate in Science degree in Environmental Management (40 Units, plus Gen. Ed.) • Associate in Science degree in Environmental Technician (27 Units, plus Gen. Ed.) Certifications: <ul style="list-style-type: none"> • YQCA • Food Handlers WBL Plan 25-26: <ul style="list-style-type: none"> • Guest speakers: Elizabeth Garcia-Conservation • PBL: Agriscience Research • Field Trips: Safari Park, Encina Wastewater • Industry Tours: SDSU Ag Engineering Dept. • Internships/Apprenticeships: SAE projects • Job Shadow: SAE projects • Simulated WBL: SAE projects • Competitions: UC Davis, CSU Fresno, CSU Chico, Cal Poly SLO, National Convention • Certifications: YQCA, Food Handlers
	10	English 3, 4	Integrated Math II	World History	Science Y2	Chemistry & Agriscience 1, 2 T918 / T919, UC-d	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1	
	11	English 5, 6	Integrated Math III	U.S. History	Science Elective	Adv. Interdisciplinary Science for Sustainable AG 1H, 2H T044 / T045, UC-d	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1	
	12	English 7, 8	Math Elective	Am. Gov. / Econ.		Food Products and Processing 1, 2 Ag UC-g	P.E. Y2 World Language 3, 4 World Language 5, 6 Visual and Performing Arts Y1	
Key		Minimum UC a-g Entrance Requirement	Required by GUHSD for Graduation	Recommended for College Admissions	CTE Concentrator Course	CTE Capstone Course Required Prerequisite Course for All Agriculture Courses	CTE Meets UC a-g Entrance Requirements Articulated Course	

The course sequence listed below is for illustration only. A student's actual course sequence may vary.

P o s t - S e c o n d a r y	13	BIO 112 <i>Contemporary Issues in Environmental Resources</i>	BIO 130 <i>Gen. Biology I</i> BIO 131 <i>Gen. Biology I Laboratory</i>	CHEM 115 <i>Fundamentals of Chemistry</i>	EHSM 100 <i>Intro to Environmental & Occupational Safety and Health (OSH) Technology</i>	EHSM 110 <i>Pollution Prevention</i>	EHSM 150 <i>Hazardous Waste Management Applications</i>	LMI Highlights for Pathway 25-26: <ul style="list-style-type: none"> • Growth %: 5 • Average Earnings:\$76,345 • # of job openings: Biotechnology and Life Sciences careers are in high demand in San Diego, varies
	14	EHSM 200 <i>Hazardous Materials Management (HMM) Applications</i>	EHSM 210 <i>Industrial Wastewater and Stormwater Management</i>	EHSM 215 <i>Air Quality Management</i>	EHSM 230 <i>Hazwoper Certification</i>	EHSM 240 <i>Cooperative Work Experience</i>	Select one (1) of the following: CIS 110 <i>Principles of Information Systems</i> COMM 122 <i>Public Speaking</i> SPAN 120 <i>Spanish I</i>	