

Central Valley Agriculture Department Pathways

+CSU/UC Approved Science Course
 *CSU/UC Approved Elective Course
 ^ CSU/UC Approved Fine Art Course

Agriscience Pathway

Courses				Education Level and Related Occupations		
Introductory	Concentration	Capstone		High School Diploma	Certification and/or AA Degree	Bachelor's Degree or Higher
Introduction to Plant & Animal Agriculture	Ag & Soil Chemistry+ Sustainable Agriculture Biology+	Honors Agriculture Systems Management Food Science*		Laboratory Aide Inventory/Stock Specialist	Food Processing Technician Quality Assurance Specialist Biotechnology Technician	Biotechnology Specialist Plant/Animal Geneticist Food Safety Specialist

Animal Science Pathway

Courses				Education Level and Related Occupations		
Introductory	Concentration	Capstone		High School Diploma	Certification and/or AA Degree	Bachelor's Degree or Higher
Introduction to Plant & Animal Agriculture	Advanced Animal Science*	Advanced Veterinary Science*		Farm/Ranch Assistant Feed Store Clerk Vet Hospital Assistant	Breeding Technician Vet Technician Livestock Feed Sales Meat Inspector	Animal Nutritionist Veterinarian Animal Physical Therapist Zoologist

Plant Science Pathway

Courses				Education Level and Related Occupations		
Introductory	Concentration	Capstone		High School Diploma	Certification and/or AA Degree	Bachelor's Degree or Higher
Introduction to Plant & Animal Agriculture	Introduction to Plant Production Introduction to Floriculture	ROP Plant Production Advanced Floriculture^		Crop Farmer Field Assistant Nursery Sales Associate	Floral Designer/Florist Landscape Contractor Irrigation Specialist	Entomologist Pest Control Advisor Greenhouse Manager

Ag Mechanics Pathway

Courses				Education Level and Related Occupations		
Introductory	Concentration	Capstone		High School Diploma	Certification and/or AA Degree	Bachelor's Degree or Higher
Introduction to Ag Mechanics	Ag Welding Introduction to Power Mechanics	ROP Welding/Fabrication ROP Power Mechanics		Equipment Operator Welder Carpenter	Heavy Equipment Operator Equipment Service Technician Certified Welder Maintenance Technician	Agriculture Engineer Irrigation Engineer Electrical Engineer Mechanical Engineer