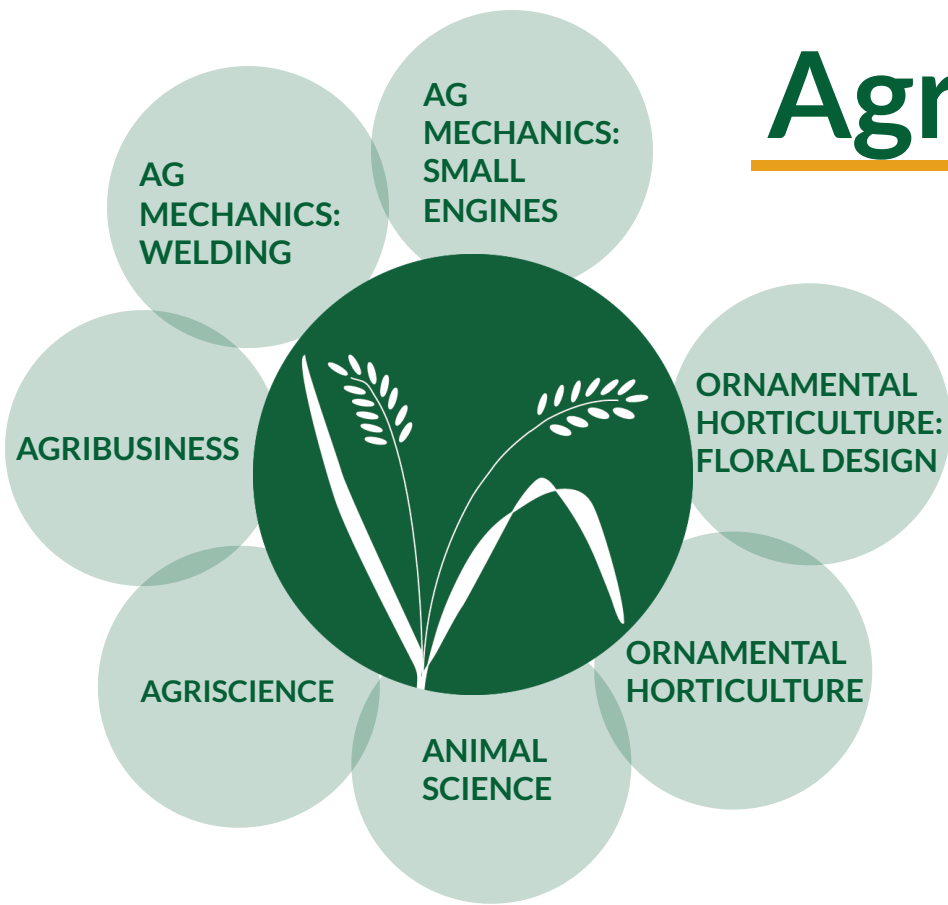




Agriculture & Natural Resources



Industry Sector Descriptor

The Agriculture and Natural Resources sector is designed to provide a foundation in agriculture for all agriculture students in California. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in various pathways. The pathways emphasize real-world, occupationally relevant experiences for students in the Merced Union High School District. Classroom and laboratory instruction, supervised agricultural experience projects, and leadership and interpersonal skills development prepare students for continued training, advanced educational opportunities, and entry to a career.

PATHWAY	Ag Mechanics: Small Engines	Ag Mechanics: Welding	Agribusiness	Agriscience	Animal Science	Ornamental Horticulture	Ornamental Horticulture: Floral Design
INTRO COURSE	Ag Shop Skills +	Ag Shop Skills +	Exploration in Ag +	Exploration in Ag +	Exploration in Ag + Intro to Ag Vet Science +	Exploration in Ag +	Exploration in Ag +
CONCENTRATION	Small Engines + ♦	Ag Welding Technology 1 +	Agribusiness Management Ag Communications + Ag Government +/- Ag Economics + Ag Leadership & Technology ♦	Ag Biology of the Living Earth + Ag Earth & Space Science +	Animal Anatomy & Physiology +	Environmental Horticulture + ♦ Turfgrass & Sports Field Mgmt 1	Art & History of Floral Design 1 +
CAPSTONE	Advanced Small Engines + ♦ Diesel Ag Mechanics +	Ag Welding Technology 2 Equipment Construction 1 Equipment Construction 2	Ag Sales & Marketing Internships in Ag	Ag Chemistry in the Earth System + Farm to Fork: Ag Food Science +	Veterinary Science + ♦	Horticulture 2 + Turfgrass & Sports Field Mgmt 2	Art & History of Floral Design 2 + Retail Floral 3 +

+ Course satisfies a UC/CSU A-G admissions requirement. ^ Pending approval as a UC/CSU A-G admissions requirement.
♦ Potential for college credit at a local college. Availability varies by campus.