



# Information for the Agriculture & Manufacturing Pathway

The Career Inspiration Center is offering 4 career pathways in STEM related industries. Highlighted are 4 agriculture and manufacturing job titles.

**EXPLORE** more career pathways at [www.stancareerpath.com](http://www.stancareerpath.com)

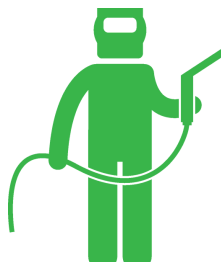
## SOIL AND PLANT SCIENTISTS



- Prepare scientific or technical reports or presentations
- Develop sustainable industrial
- Advise others about land management
- Research sustainable agricultural processes

Entry Level Education:  
Bachelor's Degree

## WELDERS, CUTTERS, SOLDERERS, & BRAZERS



- Operate welding equipment
- Measure dimensions of completed products or workpieces to verify conformance to specifications
- Select production equipment

Entry Level Education:  
High School Diploma  
or Equivalent

## AGRICULTURAL EQUIPMENT OPERATORS



- Drive and control equipment to support agricultural
- Tasks such as crop baling or hay bucking
- Operate stationary equipment to perform post-harvest tasks

Entry Level Education:  
No formal Educational  
Credential

## VETERINARIAN

- Diagnose, treat, or research diseases and injuries of animals

Entry Level Education:  
Doctoral or Professional Degree

## VETERINARY TECHNOLOGISTS & TECHNICIANS



- Perform medical tests in a laboratory environment
- Prepare vaccines, tissue samples, take blood samples
- May assist a veterinarian during surgery

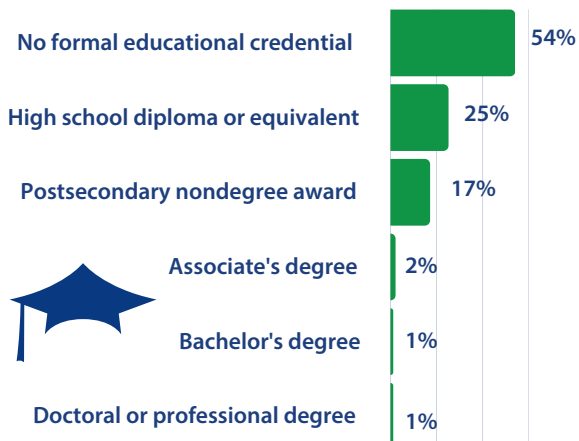
Entry Level Education:  
Associate's Degree

The Career Inspiration Center collaborates with 12 school districts, post-secondary programs, local businesses, and community-based organizations to ensure students have access and awareness opportunities in the four major industry sectors in Stanislaus County. Visit [www.stancoe.org/cic](http://www.stancoe.org/cic) for our full list of partners.

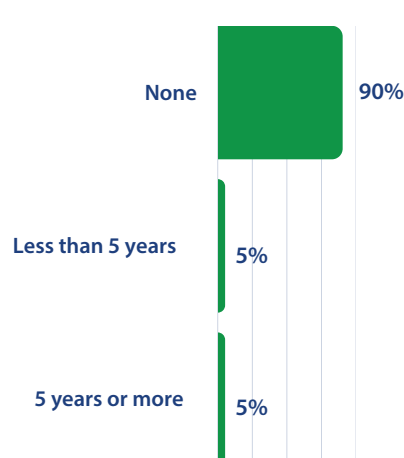
Source: All Occupations in Stanislaus County, CA (Emsi Q1 2021 Data Set) provided by Opportunity Stanislaus and <https://www.bls.gov/soc/>

Job Description	2022-2032 Job Openings	Median Hourly Earnings	Median Annual Earnings
Farmers, Ranchers, and Other Agricultural Managers	1,561	\$18.11	\$37,660
Environmental Engineers	13	\$49.01	\$101,930
Food Scientists and Technologists	100	\$35.72	\$74,292
Soil and Plant Scientists	30	\$39.81	\$82,809
Conservation Scientists	13	\$30.71	\$63,880
Medical Scientists, Except Epidemiologists	78	\$60.63	\$126,110
Agricultural Technicians	152	\$22.50	\$46,799
Food Science Technicians	260	\$21.81	\$45,369
Occupational Health and Safety Specialists	124	\$37.03	\$77,022
Veterinarians	88	\$48.88	\$101,670
Veterinary Technologists and Technicians	211	\$18.07	\$37,586
Veterinary Assistants and Laboratory Animal Caretakers	537	\$17.00	\$35,360
First-Line Supervisors of Farming, Fishing, and Forestry Workers	672	\$20.04	\$41,689
Agricultural Inspectors	58	\$16.43	\$34,169
Agricultural Equipment Operators	614	\$17.05	\$35,465
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	12,871	\$14.13	\$29,386
Farmworkers, Farm, Ranch, and Aquacultural Animals	1,677	\$15.29	\$31,810
Agricultural Workers, All Other	847	\$17.29	\$35,959
Forest and Conservation Workers	128	\$18.53	\$38,552
First-Line Supervisors of Mechanics, Installers, and Repairers	835	\$37.03	\$77,022
Industrial Machinery Mechanics	814	\$28.90	\$60,112
Maintenance and Repair Workers, General	1,975	\$22.89	\$47,611
Wind Turbine Service Technicians	26	\$28.77	\$59,842
Machinists	337	\$22.22	\$46,218
Tool and Die Makers	45	\$24.64	\$51,261
Welders, Cutters, Solderers, and Brazers	609	\$23.00	\$47,840
Heavy and Tractor-Trailer Truck Drivers	4,856	\$22.96	\$47,757

### Level of Entry Level Education

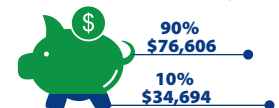


### Work Experience Required



### Income

#### Average Median Yearly Income



#### Average Median Hourly Income



#### Average Median Income

