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Thanks to the COS  
Welding Program.  
I really value  
the knowledge  
I have gained  
and the people  
I have met from  
the metalworking  
industry.

”

– KELLY BAILEY,  
COS WELDING  
STUDENT



## COS Programs Industrial Maintenance Manufacturing Welding

### Manufacturing & Product Development

Industrial Maintenance prepares students for entry-level employment and/or potential further study in the fields of Industrial Technology/Industrial Maintenance. Students completing courses in this area will have an industry foundation through the study of electricity, motor controls and programmable motor drives, programmable logic controllers, hydraulics/pneumatics, industrial mechanics, machining, refrigeration and boilers and welding. Students will acquire skills and abilities in design of electrical circuits, reading and interpreting schematics, encoding programmable devices and design of facility changes for industrial applications.

Machining & Manufacturing prepares students for entry-level employment in the field of Machining and Manufacturing. Students completing this certificate will acquire skills, knowledge and abilities related to new technologies in manufacturing. These include machine tools and machine shop practices with emphasis on Occupational Safety Health Administration (OSHA) and National Institute for Metalworking Skills (NIMS) standards.

Welding trains students for a variety of industries that are fast-growing and in high demand. This program is designed to train future, skilled professionals to meet the demands of the welding/fabrication industries. Students have the opportunity to work in a state of the art facility and utilize high tech, professional equipment in order to gain the necessary professional skills.

In California, the manufacturing sector contributes more than 1.3 million jobs to the State's economy. Skilled professionals with Advanced Manufacturing backgrounds will continue to be in high demand across many industries.\*

**Welding:  
Structural Metal  
Fabricator/Fitter\***

Starting Pay  
\$24,392

Average Pay  
\$36,140

Experienced Pay  
\$49,699



5 degrees/certificates