

MECHATRONICS TECHNICIAN



Registered Apprenticeship Program Upskills Industrial Workforce

Chaffey College InTech Center's newest apprenticeship program trains employees working in manufacturing and logistics to become **Mechatronics Technicians**, giving them the skills to effectively troubleshoot, maintain, and repair mechanical, electrical, pneumatic, hydraulic, digital, programmable logic controllers (PLC), and motion controls systems.

Work Processes for the Program

The Mechatronics Technician registered apprenticeship is competency-based, allowing apprentices to progress through the program as they increase in knowledge and skill.

Work Process competencies include safety, communication, technical documentation, computer knowledge, conveyors, troubleshooting & return to service, and PLCs.

An Accelerated Pathway to Journey-level Status

By participating in this accelerated training model, apprentices can achieve journey-level status in four years or less, with a typical completion time being two and a half years. Apprentices are required to attend a minimum of 144 classroom hours per year and master competencies on the job in their selected occupation.

Visit our website at: www.intechcenter.org

DAS and DOL Approved Apprenticeships

The Mechatronics Technician Apprenticeship Program, along with our Industrial Maintenance Electrician and Industrial Mechanic programs are approved by the California Division of Apprenticeship Standards (DAS) and by the Department of Labor Office of Apprenticeship. Since 2018, over 30 employers in the Inland Empire and Southern California region have signed on to participate in our programs, with 90 apprentices registered.

Employers interested in learning more contact:

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MECHATRONICS TECHNICIAN TRAINING COURSES

Based on a Two-Year Model

YEAR 1

QUARTER 1	Hours
Industrial Safety	16

QUARTER 2	Hours
Electrical Blueprints	16
Basic Industrial Electricity	48

QUARTER 3	Hours
Basic & Intermediate Hydraulics	32
Basic & Intermediate Pneumatics (part A)	24
Programmable Logic Controllers (part A)	8

QUARTER 4	Hours
Basic & Intermediate Pneumatics (part B)	8
Programmable Logic Controllers (part B)	48

YEAR 2

QUARTER 1	Hours
Intro to Mechatronics	80

QUARTER 2	Hours
Robotics (part A)	96

QUARTER 3	Hours
Robotics (part B)	8
Mechatronics Troubleshooting (part A)	40

QUARTER 4	Hours
Mechatronics Troubleshooting (part B)	56

TOTAL HOURS	480
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“Employers in our region are struggling to find talent to maintain, troubleshoot and repair automation equipment at their facilities. The Mechatronics Technician apprenticeship pathway provides a solid foundation to address these talent shortages without sacrificing quality or productivity.”

Steve Tyrrell

Maintenance Manager of Mitsubishi Cement Corporation and Chairperson of the Inland/Desert Employers Apprenticeship (IDEA) Committee

