



# Train for a hands-on career Maintenance Technician



**SJVC's Maintenance Technician (MTech) program is designed to provide fundamental, hands-on training of industrial systems and equipment.**

Students will study and master the basic principles, applications, concepts, and functions of hydraulic systems, bearing and seal types, and power transmission components with an emphasis on performing the following:

- Install & diagnose programmable logic controllers
- Install & maintain valves, actuators, and bearings
- Operate & repair hydraulic and bearing systems



**Training Today for a Better Tomorrow**



## Hands-On Training

### Students Learn:

- Application of basic concepts of electrical theory/motor control
- Operation and maintenance of machinery and components: bearings, gear systems, shaft joining and coupling devices
- Advanced hydraulic maintenance and systems operation
- Programming, installation, and diagnostics on programmable logic controllers (PLCs)
- Computer hardware and software applications
- Communication concepts, critical analysis, and ethical behavior appropriate to interpersonal and professional interactions
- Professional appearance and attitude



## Credentials and Common Job Duties

Graduates earn a Certificate of Completion or Associate of Science degree.

Practical instruction is performed with industry standard equipment and software. On the job, you can expect to:

- Install & diagnose programmable logic controllers
- Install & maintain valves, actuators and bearings
- Operate & repair hydraulic and bearing systems
- Troubleshoot programmable logic controllers

Source: Occupational Information Network (O\*Net) [www.onetonline.org](http://www.onetonline.org)





## Career Information

With SJVC's hands-on approach to training, graduates are qualified to go right to work in a variety of commercial and manufacturing settings:

- Maintenance Technician
- Production Supervisor
- Hydraulic Technician
- Machine Operator
- Plant Electrician

Source: Occupational Information Network (O\*Net) [www.onetonline.org](http://www.onetonline.org)



## Admissions Requirements

- High school diploma or equivalent
- Wonderlic SLE assessment score of 14 or higher
- Valid California driver license
- No felony convictions
- No misdemeanor convictions for property or drug crimes

Applicants must have reliable plans for transportation, child care and time to devote to academic work outside of scheduled class hours.



## Course Listing\*

### Certificate Core Course Requirements

Course ID	Course Name	Credit Units
MT 101	Power Transmission	5.0
MT 102	Industrial Electricity	10.0
MT 103	Fluid Power	5.0
MT 104	Programmable Logic Controllers	10.0
<b>Certificate Total</b>		<b>30.0</b>

### A.S. Degree Core Course Requirements

Course ID	Course Name	Credit Units
MT 101	Power Transmission	5.0
MT 102	Industrial Electricity	10.0
MT 103	Fluid Power	5.0
MT 104	Programmable Logic Controllers	10.0

### General Education Course Requirements

ENG 121	Composition and Reading – Part A	3.0
ENG 122	Composition and Reading – Part B	3.0
HEA 10	Health and Wellness	3.0
HUMN 125	Intercultural Communication	3.0
MTH 121	College Algebra – Part A	3.0
MTH 122	College Algebra – Part B	3.0
NSC 1	Introduction to the Natural Sciences	3.0
PHIL 1C	Ethics	3.0
PHIL 200	Critical Thinking	3.0
PSY 1	General Psychology	3.0
PSY 200	Team Dynamics	3.0
SOC 1	Introduction to Sociology	3.0

**A.S. Degree Total** **66.0**

\*Course listings are subject to change. Reference the SJVC College Catalog for the most current program information.

### Institutional Accreditation

San Joaquin Valley College is accredited by the WASC Senior College and University Commission (WSCUC), 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, (510)748-9001 and also the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at [www.accjc.org](http://www.accjc.org).

### California State Approval

SJVC is a private institution and is approved to operate as an accredited institution by the California Bureau of Private Postsecondary Education (BPPE). Approval to operate means that SJVC has been found in compliance with the standards set forth in the California Private Postsecondary Education Act of 2009 (as amended) and Title 5, Division 7.5, - Private Postsecondary Education of the California Code of Regulations. As a prospective student, you are encouraged to review the catalog prior to signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you prior to signing an enrollment agreement.

### Consumer Information

San Joaquin Valley College publishes important consumer information for all programs and campus locations. For comprehensive consumer information, visit <https://www.sjvc.edu/admissions/consumer-information>.

### SJVC Locations

#### ATASCADERO

805.470.7130

#### BAKERSFIELD

661.834.0126

#### DELANO

661.778.1145

#### FRESNO

559.448.8282

#### FRESNO - TRADES EDUCATION CENTER

559.453.0123

#### HANFORD

559.584.8840

#### HESPERIA

760.948.1947

#### LANCASTER

661.974.8282

#### MADERA

559.302.2155

#### MODESTO

209.542.8800

#### ONTARIO

909.948.7582

#### PORTERVILLE

559.853.4114

#### RANCHO CORDOVA

916.638.7582

#### RANCHO MIRAGE

442.305.7701

#### SANTA MARIA

805.608.3104

#### TEMECULA

951.296.6015

#### VISALIA

559.651.2500

*Program availability varies by campus location.  
Please see the catalog for details.*

[sjvc.edu](http://sjvc.edu)

