

# MAINTENANCE TECHNICIAN

## About This Program

Carrington's Maintenance Technician<sup>1</sup> program is designed to provide fundamental, hands-on training in 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. Practical instruction is provided with industry-standard equipment and software.

## Careers in Industrial Maintenance

Graduates of Carrington College's Maintenance Technician program will be able to operate and maintain equipment required for the operation of modern industrial facilities. Graduates may find employment as:

- Industrial Machinery Mechanics
- Installation, Maintenance & Repair Workers
- Maintenance and Machinery Workers
- Multiple Machine Tool Setters, Operators, and Tenders (Metal and Plastic)

## Knowledge and Skills

Upon completion of the Maintenance Technician program, graduates will be able to:

- Illustrate the transmission of power through gears belts, chains, and fluid power electrical controls including programmable logic controllers.
- Effectively service and maintain industrial machinery.
- Compare mechanical and electrical measuring equipment for the diagnosis and repair of industrial equipment.
- Value all local and national safety practices related to electrical servicing and installations.

## Technical Coursework

Carrington College uses technologies and equipment to support the learning process such as industry-standard equipment and software.

Carrington's academic catalog, available at [carrington.edu/catalog](http://carrington.edu/catalog), provides the most current and detailed program information, including admission and graduation requirements.

The program culminates in a Certificate of Achievement.



<sup>1</sup> Applicants for jobs in the electrical technology field may be subject to pre-employment screenings such as, but not limited to, criminal background checks, drug and/or alcohol testing, physical and/or psychological examinations and credit check.

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Campus Based: Phoenix Education Center

## Maintenance Technician Campus-Based Program Requirements

TECHNICAL COURSES		LECTURE HOURS	LAB HOURS	SEMESTER CREDIT HOURS
IT101	Basic Industrial Electricity	120	60	10
IT110	Power Transmission	60	30	5
IT120	Fluid Power	60	30	5
IT201	Programmable Logic Controllers	120	60	10
TOTAL FOR CERTIFICATE		360	180	30 <sup>1</sup>

<sup>1</sup>540 Contact hours

Approximate time to complete certificate program: 30 weeks (not including breaks)

## Accreditation and Disclosures

Carrington College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges (ACCJC/WASC), 428 J Street, Suite 400, Sacramento, CA 95814, (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 [accjc.org](https://accjc.org).

For comprehensive information on Carrington’s accreditation and approvals, visit [carrington.edu/accreditation](https://carrington.edu/accreditation). Visit [carrington.edu/sci](https://carrington.edu/sci) for important information on program outcomes.

Program availability varies by location. Carrington College reserves the right to update information as it becomes available. For the most updated information, visit [carrington.edu](https://carrington.edu).



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