

Industrial Maintenance Technology

PHOENIX CAMPUS
CERTIFICATE OF ACHIEVEMENT/
ASSOCIATE OF SCIENCE DEGREE

About The Campus

The Carrington College Phoenix campus shares space with another accredited institution. The two colleges share a 120,000 square foot facility. Carrington College students have access to 34,313 total square feet (not including shared uses) of the Student Success Center, computer labs, cafeteria and two student lounges.

The facility provides students with a simulation retail pharmacy laboratory. The campus also has lecture classrooms with ceiling-mounted LCD projectors; a learning laboratory; science labs; and a medical library equipped with reference materials, textbooks and journals. The Carrington library website offers online resources and professional organization information.

About This Program

Carrington's Industrial Maintenance Technology¹ 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.

The program culminates in a Certificate of Achievement or an Associate of Science degree (online)² in Industrial Maintenance Technology.

Careers in Industrial Maintenance

Graduates of Carrington College's Industrial Maintenance Technology program will be able to operate and maintain equipment required for the operation of modern industrial facilities. Graduates are prepared to work in a variety of commercial and manufacturing settings as:

- Industrial Maintenance Mechanic
- Maintenance Technician
- Maintenance Mechanic
- Machine Repairer
- Facilities Maintenance Technician
- Building Maintenance Mechanic

¹ Applicants for jobs in the industrial maintenance 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 checks.

² Degree completion courses are provided in an online format and the degree is awarded from the Phoenix campus.

Knowledge and Skills

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

- Apply basic concepts of electrical theory related to motor control
- Operate and maintain machinery and machinery components such as industrial bearings, gear systems, and shaft joining and coupling devices
- Perform advanced hydraulic testing procedures, maintenance, and hydraulic systems operation
- Program, install, and perform diagnostic functions on programmable logic controllers (PLCs)
- Use a computer and associated hardware and software to generate documents, prepare electronic spreadsheets, manage databases, conduct internet research, and communicate via electronic mail
- Demonstrate the ability to apply critical thinking, collaboration, communication, and professionalism

General Education Coursework

Students in Carrington College's certificate programs complete technical coursework. In our degree programs, students also complete a broad base of online general education courses focusing on:

- English writing and composition
- Computer literacy
- Mathematics
- Science
- Social sciences



Visit Carrington.edu or call:
602-427-0722

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Industrial Maintenance Technology Certificate of Achievement Program Requirements

Technical Courses		Lecture Hours	Lab Hours	Practical Hours	Semester Credit Hours
IT 100	Basic Industrial Electricity	120	60	0	10
IT 110	Power Transmission	60	30	0	5
IT 120	Fluid Power	120	60	0	10
IT 201	Programmable Logic Controllers	60	30	0	5
Total for Certificate		360	180	0	30¹

Approximate time to complete certificate program: 30 weeks (not including breaks) ¹ 540 Contact hours

Industrial Maintenance Technology Associate of Science Degree Program Requirements

Graduates of the Industrial Maintenance Technology Certificate of Achievement program are eligible to complete the Associate of Science degree program via the online degree-completion option² shown below:

Online General Education Courses		Lecture Hours	Lab Hours	Semester Credit Hours
CLT 100	Computer Literacy	45	0	3
ENG 101	English Writing and Composition	45	0	3
MAT 101	Principles of Mathematics	45	0	3
PSY 101	Introduction to Psychology	45	0	3
MAT 151	College Algebra	45	0	3
HUM 200	Ethics	45	0	3
SOC 101	Introduction to Sociology	45	0	3
SCI 210	Environmental Science	45	0	3
COL 105	Critical Thinking	45	0	3
SPH 205	Interpersonal Communication	45	0	3
Total for General Education Courses		450	0	30
Total for Certificate		360	180	30
Total for Degree		810	180	60

Degree-completion program length: 36 weeks (not including breaks); Combined certificate and degree-completion option length: 66 weeks (not including breaks).

² Degree completion courses are provided in an online format and the degree is awarded from the Phoenix campus.

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/carrington-college/catalog, provides the most current and detailed program information, including admission and graduation requirements.

Accreditation & Disclosures

Carrington College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges (ACCJC/WASC), 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 accjc.org.

For comprehensive information on Carrington's accreditation, licenses and approvals, visit carrington.edu/accreditation.

Visit carrington.edu/student-consumer-info/ 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.

Phoenix Campus

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