

About JJC

Joliet Junior College, the nation's first public community college, is the college of choice for life-changing learning opportunities. For more than 100 years, JJC has been an institution of affordable, accessible and quality education, enriching lives through high quality programs and services. JJC is a place to grow as a person, to share in a community of learning, and to be inspired by new ideas. With an average class size of 17, JJC students experience a stimulating learning environment where they are taught by the best. JJC has the second most full-time instructors for community colleges in Illinois, and more than 80 percent of professors have a master's degree or higher.

Admissions Office

Main Campus, J-1005
1215 Houbolt Road
Joliet, Illinois 60431
Phone: (815) 280-2493
Fax: (815) 280-6740
E-mail: admission@jjc.edu
www.jjc.edu

Industrial Maintenance Technology Program

Jeff Bradford
Professor
Phone: (815) 280-2403
Fax: (815) 725-6862
E-mail: jbradfor@jjc.edu



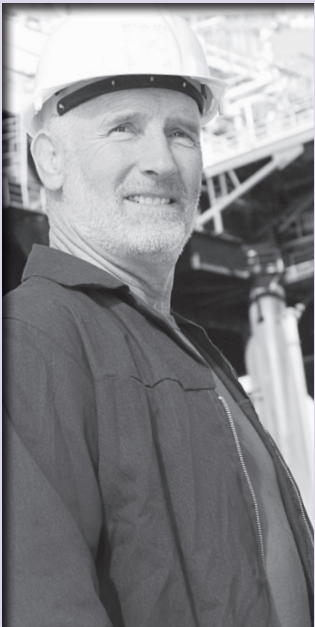
Find the college experience you want at JJC

Every year at Joliet Junior College, more than 35,000 students find the college experience they want. Some are looking for their first career; others, their next career. Some want to be chefs or prosthetics professionals or veterinarians, others want to be journalists or accountants or musicians. Still others are undecided. Many transfer on to four-year institutions, while others go directly into the workforce. The programs are varied, comprehensive and high quality. JJC students are equally diverse in their interests, backgrounds and ages. But they have one thing in common: they all want to get ahead. With the help of a variety of programs, small classes, convenient locations, and welcoming faculty and support staff they find the college that will get them there: JJC.

JJC Fast Facts

- Serves more than 35,000 students
- Six convenient campuses and education centers
- The nation's first public community college, firsts in many programs
- Wide range of counseling, academic and accommodations services
- National champion sports teams, winningest baseball coach in the state
- More than 40 clubs and organizations
- Serves a seven-county district

DEGREES AND CERTIFICATES



Associate in Applied Science (AAS)

Industrial Maintenance Technology

Certificate of Achievement (CAC)

Industrial Maintenance Technology

Certificate of Completion (CCO)

Industrial Maintenance Technology



Industrial Maintenance Technology

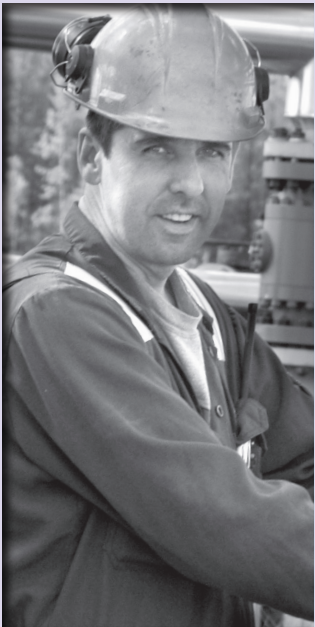
The Industrial Maintenance Technology program prepares students for a rapidly changing field in a world where days of the single-skilled worker are coming to an end. The IMT program was developed between the college and maintenance professionals from the local area to address this trend. The program provides hands-on experience using industry-standard equipment, commonly found in the work place. Skilled technicians are needed to fill the void left by an aging workforce. Multi-disciplined workers are needed to ensure companies can compete in the global marketplace.

Joliet Junior College, in partnership with Southern Illinois University in Carbondale, offers a B.S. in Industrial Technology at JJC's Main Campus, giving students the best of both worlds — hands-on technical training that an associate's degree provides, coupled with a management related degree in the form of SIU's B.S. degree.



Fast Fact

IMT graduates have knowledge and skills in areas such as: Power transmission, rotating equipment and alignment; pipefitting and rigging; pneumatics and hydraulics; industrial wiring and troubleshooting; and computerized maintenance systems.



Careers

Some of the most popular career choices for those successfully completing the IMT program are industrial maintenance technician, machinery maintenance and millwright. Graduates will have an advantage over their non-credentialed colleagues as they will have taken classes that are recognized by local industry professionals or exceeding industry standards. Also, enrolled students have access to job postings that are not always available to the general public, as some companies recruit directly from JJC's IMT program.

Industrial Maintenance Technology

Associate in Applied Science (AAS)

General Education Requirements15.0

Must include the following*:

ENG 130	Technical Writing and Communication	3.0
or		
ENG 101	Rhetoric	3.0
ENG 230	Advanced Technical Writing and Communication	3.0
or		
ENG 102	Rhetoric	3.0
MATH 107	Technical Mathematics I**	3.0
MATH 108	Technical Mathematics II**	3.0
Social Science Elective		3.0

* or approved elective

** MATH 098, MATH 107, MATH 108, or higher-level math

Major Core Requirements49.0

MFG 115	Blueprint Reading for Manufacturing & Welding	3.0
EEAS 101	Basic Wiring and Circuit Design	4.0
EEAS 111	Industrial Controls I	4.0
EEAS 113	Industrial Controls II	4.0
IMT 101	Industrial Maintenance Fundamentals	3.0
IMT 111	Industrial Equipment I	3.0
IMT 112	Industrial Equipment II	3.0
IMT 121	Industrial Fluid Power	3.0
IMT 122	Industrial Piping Systems	3.0
IMT 123	CMMS Strategies	3.0
IMT 201	Mechanical Systems Troubleshooting	3.0
IMT 211	Industrial Maintenance Internship	3.0
MFG 101	Precision Machine Tool Technology	4.0
HVAC 120	Motor Controls	3.0
WELD 114	Arc Welding I (Beginning)	1.5
WELD 121	Oxygen Acetylene Welding I (Cutting)	1.5
Technical Elective (CADD 101 or any EEAS, EEAS or EET course)		

Total Required Hours67.0



Curriculum

Courses in the JJC Industrial Maintenance Technology associate's degree, certificate of completion and certificate of achievement programs provide students with a solid foundation on which to build a successful career in the field. Carefully selected IMT courses, along with those in the areas of manufacturing, electrical/electronic automated systems and others give students a practical, hands-on learning experience. Experts in their respective areas, JJC instructors bring real-world applications to the college classroom.

Industrial Maintenance Technology

Certificate of Achievement (CAC)

General Education Requirements6.0

Must include the following*:

ENG 101	Rhetoric	3.0
or		
ENG 130	Technical Writing and Communications	3.0
MATH 107	Technical Mathematics I	3.0

Major Core Requirements32.0

MFG 115	Blueprint Reading for Manufacturing and Welding	3.0
EEAS 101	Basic Wiring and Circuit Design	4.0
EEAS 111	Industrial Controls I	4.0
IMT 101	Industrial Maintenance Fundamentals	3.0
IMT 111	Industrial Equipment I	3.0
IMT 112	Industrial Equipment II	3.0
IMT 121	Industrial Fluid Power	3.0
IMT 222	Industrial Piping Systems	3.0
IMT 123	CMMS Strategies	3.0
IMT 201	Mechanical Systems Troubleshooting	3.0

Total Required Hours67.0

Industrial Maintenance Technology

Certificate of Completion (CCO)

General Education Requirements19.0

MFG 115	Blueprint Reading for Manufacturing and Welding	3.0
EEAS 101	Basic Wiring and Circuit Design	4.0
IMT 101	Industrial Maintenance Fundamentals	3.0
IMT 111	Industrial Equipment I	3.0
IMT 112	Industrial Equipment II	3.0
IMT 121	Industrial Fluid Power	3.0

For the most up-to-date information about the Industrial Maintenance Technology program at JJC, visit www.jjc.edu/info/imt.