

machinist & millwright

*Acquire
the
tools
for
success.*

Opportunities for men and women

Job opportunities for Machinist Apprentices exist in the industrial and commercial machinery and equipment and computer fields. Working in these settings, you will apply your knowledge of mechanics, shop mathematics, metal properties, layout and machining procedures. In the State of Illinois, Machinists earn an average starting hourly wage of \$9.57, with experienced Machinists averaging \$23.17/hour.

Millwright Apprentices are highly skilled individuals who install or dismantle new machinery and heavy equipment according to a firm's management requests. In the State of Illinois, Millwrights can expect to earn an average entry-level wage of \$13.41/hour, reaching \$34.53/hour with experience.

Other PSC tech programs

- Automotive Technology
- CAD/Mechanical Design Technology
- Computer Electronics Technology
- Heating, Ventilation and Air Conditioning/Refrigeration (HVAC)
- Hydraulics
- Industrial Electrician
- Industrial Maintenance Technician
- Manufacturing Technology
- Tool & Die Making
- Welding



What does PSC offer you?

• LOW TUITION

PSC is affordable. Our costs are less than half the average of public (state) universities in Illinois. They're also about one-tenth the average cost of private colleges and universities in Illinois.

• TRANSFER DEGREES

Start at PSC with an Associate in Arts, Associate in Science, Associate in Arts in Teaching or Associate in Fine Arts in one of a variety of academic disciplines, then transfer to a four-year institution as a junior. You've saved a lot in tuition and made a smooth transition to college life.

• TWO-YEAR CAREER DEGREES AND CERTIFICATES

We offer the Associate in Applied Science degree and certificates in nearly everything from auto tech to computer science to the health professions. In a shorter time than you imagine, you can boost your earnings and your career potential.

• STUDENT SERVICES AND ACTIVITIES

PSC has what you need: academic advising, student clubs and activities, intercollegiate and intramural athletics, tutoring, service projects, music ensembles and more.

• TOP-NOTCH TEACHING

Our faculty members are dedicated to teaching freshmen and sophomores. They focus on helping you learn and achieve your goals in small classes where you can get individual attention and get to know your fellow students.

Prairie State College

A comprehensive community college
202 South Halsted Street
Chicago Heights, IL 60411-8226
(708) 709-3500
www.prairiestate.edu



 **Prairie State College**

Professional development

The Machinist and Millwright Apprentice programs at PSC present excellent career opportunities for individuals who have mechanical aptitude. Graduates of either program will acquire the training needed to obtain apprentice positions, where they can climb the ladder to success in these hands-on fields.

The Machinist program prepares apprentices to enter the machinist craftsmen field. The apprentice training allows them to custom build metal devices in both a job shop or a manufacturing establishment.

The Millwright program trains apprentices to move and install various metal-working machines according to a firm's management requests. Millwrights are highly skilled workers trained to dismantle, operate, repair, lubricate and troubleshoot industrial machinery. They are skilled in the use of tools and machinery and can read blueprints and schematic designs.

Faculty and facilities

You'll receive training from highly skilled individuals with advanced professional and teaching credentials. They are masters in their subject matter and bring considerable practical experience to the classroom. Our fully equipped classrooms and labs provide the perfect learning environment.



Machinist Apprentice: Certificate

This program provides a combination of practical and academic knowledge. Classes are conveniently scheduled, with evening courses available.

Program Requirements

• Technical Drafting I	3
• Three Dimensional Shapes	2
• Advanced Drafting Techniques	2
• Basic Math for the Skilled Trades	2
• Algebra for the Skilled Trades	2
• Geometry for the Skilled Trades	2
• Applied Trigonometry for the Skilled Trades	2
• Trigonometry & Shop Applications for Skilled Trades	2
• Metal Working Processes I	3
• Metal Working Processes II	3
• Metal Working Processes III	3
• Metallurgy	3
• Technical electives (see PSC catalog)	6

Total Credit Hours 35

Millwright Apprentice: Certificate

Like all of our Industrial Technology programs, the curriculum combines practical and academic knowledge. Classes are conveniently scheduled with evening courses available.

Program Requirements

• Industrial Maintenance Techniques I	2
• Industrial Maintenance Techniques II	2
• Lubrication	2
• Rigging	2
• Power Train Elements	2
• Drafting Essentials	2
• Drafting Conventions and Symbols	2
• Fundamentals of Hydraulics	2
• Metallurgy	3
• Principles of Flat Welding	2
• Basic Math for the Skilled Trades	2
• Algebra for the Skilled Trades	2
• Physics Mechanics	2
• Technical electives (see PSC catalog)	6
• Machine Vibration Analysis I	2

Total Credit Hours 35

For more information

Contact Associate Professor Dale R. Ballard, program coordinator, at (708) 709-3769, or e-mail dballard@prairiestate.edu

Information	709-3500
Admissions	709-3516
Advising Center	709-3506

Start near.
Go far.