

FLUID POWER CERTIFICATES



Increase Your Opportunities: Get Fluid Power Certified

- Certified Connector and Conductor
- Certified Industrial Hydraulic Mechanic
- Certified Mobile Hydraulic Mechanic
- Certified Pneumatic Technician
- ▶ Read details about each *on the next page.*

Training

These four International Fluid Power Society (IFPS) certifications provide an objective, third-party assessment of pneumatic and industrial hydraulic knowledge. Participants may complete one or more of the certifications depending upon their needs. Sessions are offered every 8 weeks. Curriculum includes e-learning, hands-on skill training in the Advanced Manufacturing Lab and instructor-led classroom study. All certifications require a three (3) hour written test and a three (3) hour Job Performance (hands-on) test.

College Credit

In addition to your certificate, college credit is awarded. Applicable college credit may be applied to the following MAC Associate of Applied Science degrees:

- Industrial Maintenance
- Engineering Technology

Industry Recognized

Our training is endorsed by the **National Association of Manufacturers** and recognized by the Manufacturing Institute Skills Certification System

Employer Partners

Our partners include the Mineral Area Training Consortium and the SEMO Regional Industrial Training Group, comprised of 28 manufacturers in a seven-county region.

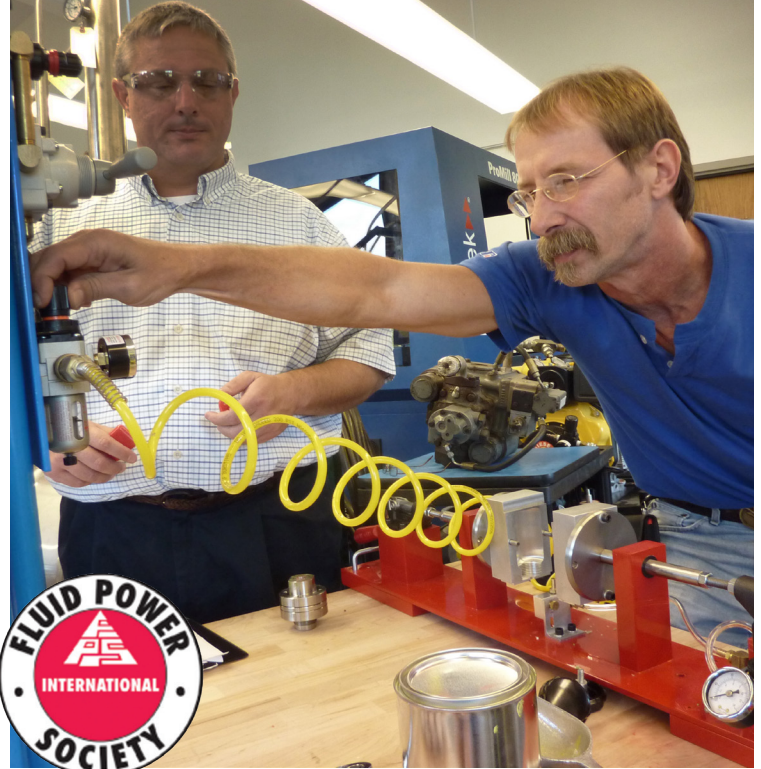


No Tuition

MoSTEMWINS grant serves the following eligible participants:

- TAA (Trade Adjustment Assistance) individuals
- Veterans
- Unemployed or Underemployed
- Low-Skilled
- Employees wanting to increase their skill level

Lab, book and national exam fees are not covered by the MoSTEMWINS grant.



Mineral Area College has short-term options for eligible applicants seeking tuition-free training and national credentials recognized by IFPS.

Getting Started is Easy!

□ Contact MAC

Tina Miller, MoWINS Program Support Specialist/Navigator
(573) 518-3840 or (573) 518-3820, tmiller@MineralArea.edu

□ Apply

Complete the MoSTEMWINS application at www.MineralArea.edu/MoWINS.

□ Learn More

Mineral Area College
5270 Flat River Rd., P.O. Box 1000, Park Hills, MO 63601
www.MineralArea.edu/MOWINS

(573) 518-3840 • (573) 518-3820 • www.MineralArea.edu/MOWINS

This program is 100% funded by the MoSTEMWINS \$19.7 million grant from the U.S. Department of Labor, Employment and Training Administration (TAACCC). The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. Mineral Area College does not discriminate on the basis of race, color, national origin, gender, gender identity, disability, age, religion, creed, genetic and family medical history as defined by GINA, or marital or parental status. For more information, call the Title VI, IX, Sec. 504 and ADA coordinator at (573) 431-4553 or U.S. Dept. of Education, Office of Civil Rights. If you have special needs as addressed by the Americans with Disabilities Act and need this publication in an alternative format, notify the Access Director, (573) 518-2152 or Mineral Area College, P.O. Box 1000, Park Hills, MO 63601. Reasonable efforts will be made to accommodate your special needs. | This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>. | MOWINS FP Fluid Power brown, S - UPDATED 9.08.16



FLUID POWER CERTIFICATES



MINERAL AREA COLLEGE

Choose From Four IFPS Certifications



NATIONALLY
RECOGNIZED

- Validate the talent you bring to the job.
- Enhance your technical ability and awareness of fluid power procedures.
- Complete one or more certifications depending on your occupation needs.

■ Connector & Conductor

Constructs, installs and maintains hoses, tubing and connectors.

This certificate will enhance the broad based knowledge and importance of connector and conductor construction and maintenance in order to provide a safer work environment.

Program consists of one course, Basic Fluid Power and includes:

- Fastener Identification
- Hose Construction
- Measurements (caliper and micrometer)
- Quality and Safety Standards
- Tube Construction

■ Pneumatic Technician

(Includes Connector & Conductor Certification)

Fabricates, assembles, services, maintains and tests industrial pneumatic equipment.

The technician understands pneumatic symbols, reads system schematics, and understands electrical principles. The technician is skilled in using hand tools, power tools, micrometers, calipers, and test equipment.

Program consists of three courses: Basic Fluid Power, Fluid Power Math and Pneumatic Systems and includes:

- Basic Fluid Power
- Basic Circuits
- Components
- Controls
- Gas Laws
- Maintenance
- Pneumatic Symbols
- Troubleshooting

■ Industrial Hydraulic Mechanic

(Includes Connector & Conductor Certification)

Applies fluid power theory and related knowledge to test and troubleshoot operational industrial hydraulic systems and applications.

The mechanic reads industrial application schematics, does basic cylinder & hydraulic motor calculations and is able to supervise system installations and commissioning.

Program consists of three courses: Basic Fluid Power, Fluid Power Math and Hydraulic Systems and includes:

- Basic Fluid Power
- Assemble Components
- Field Repairs
- Fluid Filtration & Maintenance
- Minor and Major Repairs
- Preventative Maintenance
- Replace Components and Fluids
- Troubleshooting

■ Mobile Hydraulic Mechanic

(Includes Connector & Conductor Certification)

Fabricates, assembles, services, maintains and tests mobile hydraulic equipment.

The mechanic understands hydraulic symbols, reads system schematics, and is skilled in using hand tools, power tools, micrometers, and testing equipment.

Program consists of three courses: Basic Fluid Power, Fluid Power Math, and Mobile Hydraulic Troubleshooting and includes:

- Basic Fluid Power
- Hydraulic Symbols and Circuit Diagrams
- Measurements
- Preventative Maintenance
- Safety with Pressurized Systems
- Troubleshooting
- Tube and Hose Construction



Our friendly
staff are
waiting to
assist you.
Call today!

(573) 518-3840 • (573) 518-3820 • www.MineralArea.edu/MOWINs