

The Groves Campus
7107 Elm Valley Drive
PO Box 4070
Kalamazoo, MI 49003-4070
269.353.1253
www.kvcc.edu/mtec

Texas Township Campus
6767 West O Avenue
PO Box 4070
Kalamazoo, MI 49003-4070
269.488.4400

Arcadia Commons Campus
202 North Rose Street
PO Box 4070
Kalamazoo, MI 49003-4070
269.373.7800

Kalamazoo Valley Museum
230 North Rose Street
PO Box 4070
Kalamazoo, MI 49003-4070
269.373.7990



News Release
February 10, 2017

Media Contact:
Craig Jbara
Vice President Strategic Business and Community Development
cjbara@kvcc.edu or 269.353.1263

Basic Fluid Power and Applied Fluid Power Training Coming to Groves Center

Area employers interested in sharpening employee fluid power knowledge are encouraged to register for two upcoming training courses at Kalamazoo Valley Groves Campus. Basic Fluid Power training will be held March 28 from 8 a.m. – 12 p.m. It costs \$125 per person. The course is the prerequisite to Applied Fluid Power which will be held April 4, 11 and 18 from 8 a.m.- 5 p.m. The three-day course costs \$870.

Participants will learn the fundamental principles, basic fluid power laws and principles, force, work and power as they relate to fluid power and the capability to recognize the differences and similarities between pneumatic hydraulic and vacuum systems. Additionally, they will:

- Identify the compressibility/non-compressibility of gases and liquids
- Read and report pressure and vacuum gauge scaling in psig, bars, in Hg and mm Hg
- Determine the best operating range for gauges
- Identify the construction type and explain the operating principles of various types of directional control valves
- Demonstrate the application of force, work and power as applied to the fluid power.

In the longer, more in-depth Applied Fluid Power training, participants will learn how to apply the fundamental fluid power concepts learned in the Basic Fluid Power course. Upon completion for the training, attendees will be able to:

- Interpret the hydraulic/pneumatic symbols and read a system schematic
- Become familiar with several fluid power components and their functions.
- Apply safe work practices regarding fluid power systems.
- Make adjustments to the pressure within a fluid power system
- Apply troubleshooting techniques on both hydraulic and pneumatic systems to determine root cause.

Both courses are led by Ian Salo. He is the lead instructor for all of the Mechatronic modules and a certified FANUC Robotics instructor. Salo has more than 17 years of experience using a variety of CAD software packages, nine years of Engineering Principles, five years in 3D printing, and has recently added MasterCAM to his skill set. He is a graduate of Western Michigan University with a Bachelor of Science degree with majors in Industrial Technology & Business Education.

For more information contact Kate Miller at kmiller1@kvcc.edu or 269.353.1257.

To register, visit <https://kvcc.edu/trainingschedule>.