

MFG 106 - FLUID POWER CERTIFICATION

Course Description

The Fluid Power course is designed to provide students with the skills to manipulate and create fluid power connectors and conductors. As part of this course, students will earn an industry certification. Group 2 course.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Recommended Prerequisites or Skills Competencies

MFG 104

General Education Outcomes supported by this course

Critical Thinking - Direct, Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Identify common conductor and connector components.
- Determine appropriate conductor and connector hardware per application.
- Interpret industry documentation.

Application:

- Assemble conductors and connects for fluid transfer.
- Bend and flare tube.

Integration:

- Correlate hardware to industry applications.

Human Dimension:

- Feel confident in discussing connector and conductor details with others using industry jargon.
- Collaborate with a multidisciplinary team to provide the best hardware configuration for the end user.

Caring - Civic Learning:

- Commit to the safety and well-being of everyone on the job and the end user.
- Value the importance of fluid power and how it impacts everyday life.

Learning How to Learn:

- Recognize when more information is needed and seek help and resources.
- Identify personal learning preferences with fluid power course content.