

2023-24 ACADEMIC PROGRAMS

2023-2024 FLUID POWER (CTFPOW)

Description

This program prepares students for entry level positions as a hydraulic technician. The program gives students an understanding of hydraulic and pneumatic system design including motion control, using electro-hydraulic proportional and servo valves. Students who complete the program may choose to take the Hydraulic Specialist or Technician Certification Examination through the Fluid Power Society.

Articulation

Eastern Michigan University, BS degree. Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
FLP 110	Fluid Power Fundamentals - II	2
FLP 214	Hydraulic Circuits and Controls	4
FLP 225	Fluid Power Motion Control	3
FLP 226	Pneumatics	3
Total		12

Core Courses

Class	Title	Minimum Credits
MEC 100	Materials and Processes	3
FLP 101	Fluid Power Fundamentals - I	2
MTT 102	Machining for the Technologies	2
NCT 101	Introduction to Computerized Machining (CNC) - I	2
ROB 101	Robotics I - I	2
Total		11

Total Credits Required: 23

Footnotes

This certificate can also lead to an associate degree in Mechatronics.

Accurate as of 02/16/2024 Information is subject to change without notice.