Fluid Power Engineering Technician (BP/EP) Associate in Applied Science Degree

Semester Sequence - Brooklyn Park

First Semester

FLPW1101	Fluid Power Technology I	3
FLPW1231	Industrial Electricity I	3
FLPW1400	Engineering Drawings and Schematics	4
FLPW2000	Programmable Logic Controllers	3
METS1200	Industry Practices and Procedures	3

Total Credits 16

Second Semester

FLPW1106	Fluid Power Technology II	4
FLPW1191	Hydraulic Components	3
FLPW1320	Hydraulic Circuits	2
FLPW1340	Pneumatic Circuits and Air Logic	4
METS2000	Engineering Design Principles	3

Total Credits 16

Summer Semester

ENGL2121	Writing and Research	4
	or	
ENGL2125	Technical Writing	3
	General Education Electives	6

Total Credits 9

Third Semester

FLPW1150	Pneumatic Components	4
	or	
FLPW1181	Pumps, Actuators, and Conductors	4
FLPW2180	Circuit Design	3
FLPW2191	Industrial Circuit Design	3
FLPW2301	Mobile Circuit Design	3
METS2100	Statics and Strength of Materials	3

Total Credits 16

Fourth Semester

FLPW2112	Instrumentation of Fluid Power Systems	3
FLPW2250	Proportional and Servo Controls (Robotics Application)	3
FLPW2321	System Engineering Portfolio	3
	Choose 3 credits from MnTC Goal Areas 2-6	3
	Choose 3 credits from MnTC Goal Areas 7-10	3

Total Credits 15

General Education Electives

A complete list of MnTC courses and Goal Areas that can be used to meet General Education requirements can be found at www.hennepintech.edu. The same course cannot satisfy more than one MnTC Goal Area requirement.

Hennepin Technical College's 2000-level general education courses meet the guidelines of the Minnesota Transfer Curriculum (MnTC).

Choose a Total of: 6 Credits

Graduation (72 Credits)

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

4/19/2021 : BP 4704 / EP 4705