

## Industrial Building Engineering and Maintenance (BP) Diploma

### Semester Sequence

#### Offered at Brooklyn Park Only

#### First Semester

FLPW1101	Fluid Power Technology I	3
FLPW1231	Industrial Electricity I	3
FLPW1400	Engineering Drawings and Schematics	4
FLPW2000	Programmable Logic Controllers	3
IBEM1000	Welding Maintenance BPC Only	3

#### Total Credits 16

#### Second Semester

FLPW1236	Industrial Electricity II	3
FLPW2020	Advanced Programmable Logic Controllers or	3
FLPW2112	Instrumentation of Fluid Power Systems	3
MACH1205	Machine Tool Technology BPC Only	3
METS1000	Computers in Manufacturing	3
MATH1007	Math for the Trades	2

#### Total Credits 14

#### Summer Semester (BPC Campus Only)

FLPW1150	Pneumatic Components	4
IBEM1010	Carpentry Maintenance BPC Only	3
IBEM1020	HVAC Maintenance BPC Only	3
IBEM1030	Tube and Pipe Repair BPC Only	2
IBEM1040	Rigging Procedures and Forklift Operations BPC Only	1
	Technical Studies Electives	1

#### Total Credits 14

#### Technical Studies Electives

Any Fluid Power (FLPW), Machine Tool (MACH), Manufacturing Engineering Technology (METS), Plastics Engineering Technology (PLST), or Welding (WLDG) course that is not required for this award may be used as an elective.

#### Choose a Total of: 1 Credit

#### Graduation (44 Credits)

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

3/31/2021 : BP 4804 / EP