

## Residential Heating, Ventilation and Air Conditioning (BP/EP) Diploma

### Semester Sequence - Full-Time

#### Offered at Brooklyn Park and Eden Prairie

#### First Semester

HVAC1000	Electrical Circuits	3
HVAC1005	OSHA 30-Hour Construction Safety Training	2
HVAC1010	1PH Motors and Auxiliary Controls	2
HVAC1020	Tube and Pipe Fabrication	2
HVAC1040	Basic Refrigeration	4
HVAC1050	Refrigerant Transition and Recovery	1
HVAC1055	Refrigeration Certification Exam	0
HVAC1110	Electrical Diagrams	2

#### Total Credits 16

#### Second Semester

HVAC1030	Sheet Metal	2
HVAC1071	Gas Heat Systems	4
HVAC1120	Psychrometrics	1
HVAC1140	Central Air Conditioners	3
HVAC1146	Residential Heat Pumps	2
HVAC1151	Hydronic Heat Systems	2
HVAC1035	National Electrical Outcome Assessment	0
HVAC1045	National Air Conditioning Assessment	0
HVAC1065	National Gas Heat Outcome Assessment	0
	Technical Studies Electives	1
PHIL1100	Critical Thinking for College Success	3
	or	
PHYS1005	Introductory Physics I	3

#### Total Credits 18

#### Technical Studies Electives

##### Recommended:

HVAC1015	Residential Heat Load Calculation	1
HVAC1025	Mini-Split Air Conditioners	1
HVAC1060	Low Global Warming Potential (GWP) Refrigerant Certification	1
HVAC1081	Oil Heat Systems	1
HVAC1090	Low Global Warming Potential (GWP) Refrigerant Certification Exam	0
HVAC1100	Service Call Completion	1
HVAC1155	Radiant Heat Systems	1
HVAC1160	Air Quality Systems	1
HVAC1175	R-410A Certification Training	1
HVAC1181	MN Class CBoiler Operator License	3
HVAC1185	R-410A Certification Exam	0
HVAC1190	MN Special Boilers License	1
HVAC2025	Introduction to HVAC/R Building Automation Controls (BAC)	2
HVAC2045	Hydrocarbon Refrigerant Certification	1
HVAC2055	Hydrocarbon Refrigerant Certification Exam	0

HVAC2170

HVAC/R Externship

1

**Choose a Total of: 1 Credit**

### Graduation (34 Credits)

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

2/23/2024 : BP 3306 / EP 3307