

## Commercial Heating, Ventilation, Air Conditioning and Refrigeration (EP) Diploma

### Semester Sequence

#### Offered at Eden Prairie Only

#### First Semester

HVAC2001	Packaged Heating and Cooling Equipment	4
HVAC2005	Commercial HVAC/R Safety and Servicing Procedures	2
HVAC2010	Commercial Heat Pump Systems	2
HVAC2030	Commercial Ice Making Machines	3
HVAC2041	Gas/Refrigeration (Mechanical) Code	1
HVAC2050	Electrical for Commercial HVAC&R Equipment	2

#### Total Credits 14

#### Second Semester

HVAC1005	OSHA 30-Hour Construction Safety Training	2
HVAC2111	Low Pressure Steam and Water Boilers	2
HVAC2121	Refrigerated Coolers and Cases	4
HVAC2130	Supermarket Refrigeration	3
PHIL1100	Critical Thinking for College Success	3
	or	
PHYS1005	Introductory Physics I	3
	Technical Studies Electives	3

#### Total Credits 17

#### Technical Studies Elective

##### Recommended:

HVAC1060	Low Global Warming Potential (GWP) Refrigerant Certification	1
HVAC1090	Low Global Warming Potential (GWP) Refrigerant Certification Exam	0
HVAC2020	Pneumatic Controls	2
HVAC2025	Introduction to HVAC/R Building Automation Controls (BAC)	2
HVAC2045	Hydrocarbon Refrigerant Certification	1
HVAC2055	Hydrocarbon Refrigerant Certification Exam	0
HVAC2060	Computer Room Air Conditioning	1
HVAC2100	Water Chiller Machines	3
HVAC2165	Air Handling Units	1
HVAC2170	HVAC/R Externship	1

### Graduation (31 Credits)

**Prerequisite:** Successful completion of the Residential Heating, Ventilation and Air Conditioning program or a minimum of 2 years related work experience.

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

4/18/2023 : BP / EP 3308