

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
MATH1007	Math for the Trades	2

Total Credits 18

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
	General Education Electives	2
	Technical Studies Electives	1

Total Credits 17

Technical Studies Electives

Recommended:

HVAC1015	Residential Heat Load Calculation	1
HVAC1025	Mini-Split Air Conditioners	1
HVAC1081	Oil Heat Systems	1
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

Choose a Total of: 1 Credit

General Education Electives

If a General Education course is required it may not be used as a General Education Elective.

Minnesota Transfer Curriculum (MnTC) may also be used to meet General Education Elective requirements. A complete list of MnTC courses can be found at www.hennepintech.edu.

CCDS1000	College Success Seminar	1
CCDS1020	Interviewing Skills	1
CCDS1040	Job Seeking Skills	2
CCDS1100	Student Success	3
COMM1050	Communication in the Workplace	2
CPLT1000	Computer Keyboarding	2

CPLT1005	Advanced Keyboarding and Document Processing	3
CPLT1100	Computer Essentials	3
CPLT1200	Introduction to Macintosh	3
EMSV1020	CPR/First Aid	1
ENGL1010	Business English	3
ENGL1021	Essay Fundamentals	3
ENGL1026	Writing for Careers	3
MATH1007	Math for the Trades	2
MATH1020	Geometry and Trigonometry	2
MATH1050	Math Pathways Plus for College and Careers	4
MATH1060	Math Pathways for College and Careers	3
MATH1500	Beginning Algebra	3
MATH1650	Mathematical Literacy	4
MATH1700	Intermediate Algebra	3
METS1000	Computers in Manufacturing	3
PHYS1000	Fundamentals of Physics	2

Choose a Total of: 2 Credits

Graduation (35 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 3306 / EP 3307