

Program Curriculum

<i>First Semester Freshman</i>	<i>Semester Hours</i>
ACT 1003 Introduction to Heating, Ventilation, and Air	3
ACVT 1124 Basic Compression	4
ACT 1713 Electricity for Heating, Ventilation, Air Conditioning, and Refrigeration	3
LLS 1311 Orientation	1
Mathematics/Science Elective	3
Total Hours	14
<i>Second Semester</i>	<i>Semester Hours</i>
ACT 1133 Brazing and Piping	3
ACT 1214 Controls	4
ACV 1313 Refrigeration System Components	3
ENG 1113 English composition	3
Instructor Approved HVAC Elective	3
Total Hours	16
<i>Third Semester Sophomore</i>	<i>Semester Hours</i>
ACT 2414 Air Conditioning I	4
ACT 2433 Refrigerant, Retrofit, and Regulations	3
ACT 2624 Heat Load and Air Properties	4
Humanities/Fine Art Elective	3
Social/Behavioral Science Elective	3
Total Hours	17
<i>Fourth Semester</i>	<i>Semester Hours</i>
ACT 2324 Commercial Refrigeration	4
ACT 2424 Air Conditioning II	4
ACT 2513 Heating Systems	3
SPT 1113 Oral Communications	3
Instructor Approved HVAC Elective	1
Total Hours	15

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Career Technical Education Heating and Air Conditioning

Program Description

The Heating and Air Conditioning program of study is a two-year certificate program comprised of both classroom instruction and laboratory experiments with students receiving training in welding, the laws of refrigeration, the basic refrigeration cycle, the purpose and operation of compressors, condensers, evaporators, metering devices, and oil coolers. The student learns how to troubleshoot, repair, and install all types of domestic and commercial refrigeration and heating systems. Also, he/she learns to estimate heating and cooling loads, to give job estimates, to care for tools and equipment, and to set up a service shop and safety. Students will have the opportunity to earn state/national certifications.

After successfully completing two years, an Associate of Applied Science degree or Certificate can be obtained. Students will also be subject to participation in national certification testing during the progression of the program.

Admission Requirements

Priority given to applicants with ACT composite of 14 or an equivalent placement test score.

Job Opportunities

Maintenance or service technician. Cleans, repairs, or installs air conditioning and heating units, including coils, condensation pans, drain lines, cooling towers.

Contact Information

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