



# > Air Conditioning and Heating Technology Diploma

## Program Description

The Air Conditioning and Heating Technology diploma program is an excellent choice for students desiring to work in residential and light commercial heating, ventilation, and air conditioning (HVAC). Students gain practical knowledge and experience in the classroom and shop using modern test equipment and tools used in the HVAC industry. Students are trained by seasoned HVAC technicians that bring with them years of experience and a variety of industry related certifications. This program prepares graduates for entry-level employment in the HVAC industry and is an excellent preparation tool for taking industry related certification exams. Students will have the opportunity to obtain certification in Section 608 EPA.

Course #	Course Requirements	Clock Hours	Credit Hours
ORN120	Fundamentals of Technology	100	4
HVA121	Introduction to Safety, Science, and Principles of Air Conditioning	100	4
HVA122	Basic Electricity and Circuits	100	4
HVA123	Intermediate Electricity and Schematics	100	4
HVA124	Pipe Brazing/Ducting and Air Movement	100	4
HVA125	Heating Systems	100	4
HVA126	Domestic/Commercial Refrigeration	100	4
HVA227	Air Conditioners	100	4
HVA228	Heat Pumps/All Weather Systems	100	4
HVA229	Sheet Metal Fabrication	100	4
HVA230	Direct Digital Controls	100	4
HVA231	Advanced Troubleshooting, Repair, and Installation	100	4
<b>Total</b>		<b>1,200</b>	<b>48</b>

- Students attend class four days per week on various schedules
- Program length is approximately 15 months - all schedules
- At the successful completion of the program, the student will receive a Diploma in Air Conditioning and Heating Technology

Automotive ▪ Commercial Driving ▪ Electrical Systems Technology ▪ Diesel/Heavy Vehicle ▪ HVAC ▪ Industrial Maintenance Technology ▪ Welding



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