



Heating and Air Conditioning Technician

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Heating and air conditioning technicians maintain, diagnose, and correct heating, air conditioning, and refrigeration system problems. They adjust controls to recommended settings and test the performance of systems using special tools and test equipment. With the Heating and Air Conditioning Technician Continuing Education Certificate, you become eligible for employment with companies that install, service, and repair residential and commercial heating and air conditioning systems. After meeting experience requirements, workers can take state exams to be licensed as a journeyman or master HVAC mechanic.

TRAINING PROGRAM

COURSE	CLASS HOURS
TEC 6330 CFC Certification	8
TEC 7780 HVAC Control Systems	30
TEC 8090 Control Troubleshooting	30
TEC 9700 HVAC Installation Fundamentals	20
BUS 5500 Customer Service Fundamentals	24
Total	112

JOB DUTIES

- *Test electrical circuits using electrical test equipment*
- *Assist mechanic with reassembly and testing of equipment following repairs*
- *Discuss heating/cooling system malfunctions with users to isolate problems or to verify that malfunctions repaired*
- *Record and report faults, deficiencies, and other unusual occurrences, as well as time and materials used on work orders*
- *Test pipe, tubing joints, and connections for leaks, using pressure gauge or soap-and-water solution*
- *Adjust system controls to setting recommended by manufacturer to balance system*
- *Comply with HVAC industry standards, policies, and procedures, including safety procedures and the maintenance of a clean work area*

SALARY RANGE

	Average Hourly	Average Annual
National	\$10.97 to \$27.14	\$22,800 to \$56,500
Maryland	\$12.25 to \$27.90	\$25,500 to \$58,000

