

Air Conditioning Technology

TECHNICAL CERTIFICATE

CAREER DESCRIPTION

Heating, air-conditioning, and refrigeration systems consist of many mechanical, electrical, and electronic components, such as motors, compressors, pumps, fans, ducts, pipes, thermostats, and switches. Technicians must be able to maintain, diagnose, and correct problems throughout the entire system. To do this, they adjust system controls to recommended settings and test the performance of the system using special tools and test equipment.

Technicians follow blueprints or other specifications to install oil, gas, electric, solid-fuel, and multiple-fuel heating systems and air-conditioning systems. After putting the equipment in place, they install fuel and water supply lines, air ducts and vents, pumps, and other components. They may connect electrical wiring and controls and check the unit for proper operation.

After a furnace or air-conditioning unit has been installed, technicians often perform routine maintenance and repair work to keep the systems operating efficiently.



Call now! 316.677.9400

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WATC
www.watc.edu

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WAGE

According to the Kansas Department of Labor, heating, ventilation and air conditioning maintenance technologists and installers earn an hourly wage of \$17.45.

JOB PROSPECTS

The U.S. Bureau of Labor Statistics says that job prospects for heating, air-conditioning, and refrigeration mechanics and installers are expected to be excellent, particularly for those who have completed training from an accredited technical school or a formal apprenticeship. Job opportunities should be best in the fastest growing areas of the country. A growing number of retirements of highly skilled technicians are expected to generate many job openings.

PROGRAM DESCRIPTION

The Air Conditioning Technology, Technical Certificate program is a sequence of courses that prepares students for careers in the air conditioning industry. Learning opportunities develop academic, occupational, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of air conditioning theory and practical application necessary for successful employment. Program graduates receive an Air Conditioning Technology Technical Certificate and have the qualifications of an air conditioning technician.

ADMISSION REQUIREMENTS

- Submit an application for admission.
- Be 16 years of age or older.
- Show documentation of high school graduation or satisfaction of high school equivalency prior to graduating from the program.
- Meet entrance requirements.

FINANCIAL AID

Most programs are eligible for financial aid through a combination of federal, state, local and private sources. Please check with the financial aid office for details.

JOB PLACEMENT

Job placement services are available to assist students in finding employment in their occupational fields.