

AIR CONDITIONING & REFRIGERATION

\$13-33 PER HOUR
(OK SALARY RANGES)

✔ **To prepare individuals to enter the air conditioning & refrigeration technology industry as competent technicians.**

The program prepares students for employment in the installation, operation, maintenance and repair of heating, air conditioning and refrigeration systems. Course instruction includes electrical controls, EPA refrigerant handling practices, refrigeration theory, gas piping practices and furnace operation.



"Autry Tech helped me to find a program I actually enjoy and can help me develop the skills I need to be doing my trade in the future."

-Esgar O.

CAREERS AVAILABLE IN THE INDUSTRY:

- Air conditioning technician
- Heating technician
- Central and window unit installer
- Refrigeration technician
- Mechanical maintenance worker
- Troubleshooter
- HVAC controls technician

LICENSURE / CERTIFICATIONS:

- Environmental Protection Agency for Refrigerant Handlers (EPA)
- Oklahoma Construction Industries Board Mechanical Apprentice Registration
- Partnership for Air Conditioning, Heating and Refrigeration Accreditation (PAHRA)

CONTACT STUDENT SERVICES
for current tuition rates
and enrollment information.
580.242.2750

✔ Oklahoma's Promise Availability

Tuition is free for in-district high school students.
Tuition for in-district adults is \$2.00/hour.

***2019 Oklahoma salary ranges were obtained from O*Net OnLine**



COURSE LENGTH/IN-DISTRICT TUITION AND COSTS

Aug-May	M-F M-F M,W,Th	High School: 8:15-10:45am/12:30-3:15pm Adult: 8:15-11:15am/12:30-3:30pm Adult: 6pm-10pm
Tuition:		In-District / Out-of-District \$1050 / \$2100 Half Day or \$2100/ \$4200 Full Day
Who can enroll:		Adults and High School Juniors & Seniors
Additional cost:		Books and supplies for adults (including a tool kit) are approximately \$678

HIGHLIGHTS

- Installation, service and maintenance of refrigeration, air and heating units.
- Fundamentals and theory of electricity.
- Electric schematic and wiring diagram reading.

AREAS OF INTEREST & HELPFUL SKILLS

- Interest in making things work
- Ability to climb ladders and work at heights
- Possess average strength and intelligence
- Tolerate small and enclosed spaces
- Ability to work in teams
- Able to work in extreme hot and cold temperatures

APPLICATION POLICY

Incoming **high school juniors and seniors** make application for Autry enrollment during their high school spring and/or fall enrollment (**in-district only**).

In-district adults can make application throughout the year and will be considered for enrollment following the completion of in-district high school enrollments. Out-of-district adults will be considered after completion of in-district adult enrollment.

ADMISSION PROCEDURES

After submitting an online application and in order to be considered for enrollment, the following information will be collected and scored in a rubric:

HIGH SCHOOL STUDENTS

- Attendance
- Current high school transcript with cumulative GPA
- Test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

GRADUATING IN-DISTRICT SENIORS

- Complete high school transcript with final GPA
- Test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

ADULTS

- Successful college hours or current test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

Adults applying for admission must take the Next-Generation Accuplacer assessment if successful college hours or current standardized testing is not available. An Autry career counselor will interpret the assessment results to determine interest and suitability for enrollment.

ENROLLMENT INFORMATION

Financial Aid: Financial aid options are available for qualified students. Contact the financial aid office at Autry Technology Center for more information.

Autry Scholarship: This scholarship is available to high school graduates who: (1) live in the Autry Tech district (2) lived in the Autry Tech district their senior year in high school, and (3) meet enrollment guidelines. This scholarship covers 100% tuition for up to three years immediately following high school graduation. The cost of books and supplies is the responsibility of the student. Scholarship eligibility will be reviewed each semester.

Tuition: In-district high school students pay no tuition for full-time career programs. In-district adult students pay in-district rates. In-district adults are defined as post-secondary individuals who have established legal/permanent residence in the Autry Tech district. All others pay out-of-district rates.

Expenses: May include, but are not limited to, textbooks and supplies available at <http://autrytech.edu/student-services/books-supplies/>.

autrytech.edu



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- **EMPLOYMENT OPPORTUNITIES**

The Job Developer with Autry Technology Center works diligently to match students with jobs available in industry. Any questions regarding current employment opportunities should be directed to the Job Developer.

- **SALARY RANGE**

Listed below is the salary range in Oklahoma for Air Conditioning & Refrigeration obtained from O*Net OnLine.

2019			
	Lowest 10%	Median	Highest 10%
Hourly	\$13.10	\$20.81	\$33.13
Annually	\$27,240	\$43,280	\$68,910

- **OCCUPATIONAL CHARACTERISTICS**

(Information obtained from the US Dept. of Labor Statistics Occupational Outlook Handbook)

Heating, air conditioning, and refrigeration mechanics and installers work in homes, retail establishments, hospitals, office buildings, and factories—anywhere there is climate-control equipment that needs to be installed, repaired, or serviced. They may be assigned to specific job sites at the beginning of each day or may be dispatched to a variety of locations if they are making service calls.

Technicians may work outside in cold or hot weather or in buildings that are uncomfortable because the air conditioning or heating equipment is broken. In addition, technicians might work in awkward or cramped positions and sometimes are required to work in high places. Hazards include electrical shock, burns, muscle strains, and other injuries from handling heavy equipment. Appropriate safety equipment is necessary when handling refrigerants because contact can cause skin damage, frostbite, or blindness. Inhalation of refrigerants when working in confined spaces also is a possible hazard.

The majority of mechanics and installers work at least a 40-hour week. During peak seasons, they often work overtime or irregular hours. Maintenance workers, including those who provide maintenance services under contract, often work evening or weekend shifts and are on call. Most employers try to provide a full workweek year-round by scheduling both installation and maintenance work, and many manufacturers and contractors now provide or even require year-round service contracts. In most shops that service both heating and air conditioning equipment, employment is stable throughout the year.

- **ACCREDITATIONS**

Oklahoma Board of Career and Technology Education
Oklahoma State Department of Education

INSTRUCTOR(S)



BRIAN TERRELL

Brian Terrell is a 1990 graduate of Autry Technology Center and a 1994 graduate of Oklahoma State University, Okmulgee. He has over 25 years of experience in the field. Mr. Terrell joined the Autry Tech team in 2016.