

Campus Location

Lemley Campus @ Memorial Complex

Occupational Focus

Tulsa Tech's Heating, Ventilation, Air Conditioning/Refrigeration (HVAC/R) program provides a solid background for attractive employment in a very stable industry. You will study both residential and commercial cooling and heating systems in a cutting-edge facility. You will learn about hydronic systems, air duct sizing, air and water balancing procedures, psychometrics of heating, ventilation, and air conditioning systems, heat pumps and installation procedures. You will develop diagnostic skills as well as apply repair and servicing techniques through troubleshooting and work on live equipment. With the opportunity to earn valuable industry certifications, you may enter the workforce or opt to apply credit toward an associate degree and beyond.

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Who Can Attend?

High school students
Adults

Prerequisite(s)

None

Scheduling Information

Two year program beginning in August
Check with Admissions Office at 918.828.5260 for start dates.
Three to six hours daily
--Morning session - 7:55 - 10:40 am
--Afternoon session - 11:55 - 2:40 pm
--Evening session - 3:00 - 6:00 pm

Tuition

No charge for high school students within Tulsa Tech District
Adult - \$2.50/hour*

**Tuition subject to change without notice*

Books/Supplies

No textbook charge for high school students within Tulsa Tech District
Adult books/ \$110.00 (approximately)

Career Majors

Residential HVAC Technician - 1080 Hours*

This career major is an introduction to air-conditioning and refrigeration, exploring career opportunities in the HVAC/R industry, personal safety and work practices, and personal protective equipment. Students will be instructed in the proper handling of pressurized fluids, handling hazardous substances, hand and power tools, and equipment used to test and service air conditioning. This career major will focus on residential applications.

**Career major, courses and hours are subject to change without notice*

College Credit

College credit is available for the majority of Tulsa Tech's full-time programs through Rogers State University, Oklahoma State University-IT or Tulsa Community College. Advanced standing credit may also be granted for some of our programs. The number of hours varies depending on the program length, the college granting the credit, and the student's plan of study. Check with your Tulsa Tech counselor for more information.

Credentials/Industry Certifications

Oklahoma Department of Career and Technology Competency Certification. Upon completion of HVAC/R, students with a "C" average or above and more than 990 hours of attendance will receive a certificate representative for two of the three years' apprenticeship required to qualify for taking the State of Oklahoma HVAC/R journeyman's licensing test

Employment Opportunities

HVAC/R apprentice

Tulsa-Area Salary

\$13.41 - \$24.55/hour (average)

Financial Aid

Scholarships are available for eligible students. Call 918.828.5280 or email financialaid@tulsatech.org. For the most up-to-date and complete information on scholarships and grants please visit www.tulsatech.edu.

Application Process

High school students see Tulsa Tech career counselor or sending school counselor.
Adults contact Tulsa Tech Admissions and Enrollment office at 918.828.5260, email admissions@tulsatech.org or check out our website at www.tulsatech.edu.
NOTE: Some programs have additional admissions criteria. For specific program requirements and applicable prerequisites, contact Admissions at 918.828.5260.

Courses by Career Majors

Residential HVAC Technician - 1080 Hours*

Intro to HVACR: Safety, Tools, & Equipment
Professional Service
Refrigerant Retrofits
Refrigerant Recovery
Refrigerants & Lubricants
Piping & Piping Practices
Electricity for HVAC/R
HVAC/R Preventive Maintenance
Principles of Thermodynamics & Heat Transfer 2
Indoor Air Quality 1
Indoor Air Quality 2
Load Calculations
HVAC/R System Installation & Start-Up Residential
HVAC/R Codes, Regulations, & Standards
Air Handling
Workforce Staging
Air Conditioning Systems
Refrigerant System Components
HVAC/R Solid State Electronics
HVAC/R Controls 1
HVAC/R Controls 2
HVAC/R System Servicing & Troubleshooting - Residential
Heating Systems
Heat Pumps

**Career major, courses and hours are subject to change without notice*

Tulsa Tech does not discriminate on the basis of race, color, religion, national origin, gender, age, marital or veteran status, or disability.

Tulsa Tech is accredited by the Oklahoma Department of Education, the Oklahoma Board of Career & Technology, & the North Central Association--Commission on Accreditation & School Improvement.

Also, where available, our programs are accredited by the specific industry standards associated with their industry.

To remain current with the demands of business and industry, curriculum is periodically revised. The revision may change the number of Tulsa Tech classes that apply toward the college credit. The number of credit hours identified in the agreement the year the student completes the class will determine the credit hours the student receives. Conditions are based on the actual agreements and are subject to change annually.