

HVAC/Refrigeration Technologies

Description

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, 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.

- Troubleshoot & maintain HVAC equipment to ensure its efficiency & operation
- Design, stage, & install commercial & residential HVAC & electrical control systems
- Interpret blueprints & specifications to customize the application of HVAC controls in a residential or commercial setting

College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

Application Process

Apply ON-LINE at www.tulsatech.edu/apply. Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.

Campus Location

Lemley Campus

3420 South Memorial Drive
Tulsa, OK 74145-1390
(918) 828-1000
FAX (918) 828-1009

Career Majors/Courses

Residential HVAC Technician

Courses

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
Indoor Air Quality
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

Credential/Industry Certifications

EPA 608 Certification, OSHA 10, Industry Competency exam, Completion certificate

Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit www.tulsatech.edu/jobconnect / email jobconnect@tulsatech.edu.

2010-2011 year completion & placement data per Oklahoma Department of Career and Technical Education guidelines:

- Total Enrolled: 58
- Completion: 70%
- Completed on-time: 100%
- Job Placement: 66%
- Returning Students to 2nd Year: 24%
- OPE ID: 005311 / CIP: 47.0201

Area Salary

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/>.

Salary information can be found at The Occupational Information Network (O*NET) Resource Center at <http://www.onetonline.org/>. O*NET-SOC Code: 49-9021.01

Who Can Attend?

High school students / Adults

Tuition/Fees/Books

- Tuition: \$1,575*
- Lab & Required Fees: \$148.75*
- Additional Required Costs: \$355**
- Optional Fees: \$117

*High school students living in the Tulsa Tech school district are not charged tuition, fees & books.

**Additional required costs: books, equipment, tools, uniforms & supplies.

Scheduling Information

H.S. / 2 school years:

August - May

H.S. sessions:

7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.

Adults / 9 months Adult sessions:

Day: 7:45 A.M. - 2:50 P.M.

Check with Admissions Office at 918-828-5260 for start dates.

Financial Aid

Financial assistance is available through several options at Tulsa Tech. For the most up-to-date information, call 918-828-5280 or visit www.tulsatech.edu. Some career majors are eligible for federal financial aid. To apply, go to: www.fafsa.ed.gov.