

# College Credit

Graduating students seeking continuing education and a career in the Aviation/Aerospace industry can earn and apply up to 28 credit hours (at no charge) toward an Associate's Degree in Aviation Electronics Technology, and complete their degree in 7 months or less through our cooperative agreement with the Spartan College of Aeronautics and Technology, in Tulsa, Okla.

# Career Clusters

Choose from one of 14 full-time classes for high school and/or adult students within the 8 Career Clusters:

## Transportation, Distribution & Logistics

Automotive Collision  
Automotive Service

## Science, Technology, Engineering & Math

Biomedical Science Academy (high school only)  
Pre-Engineering Academy (high school only)  
Electronics

## Business, Management & Administration / Finance

Business Information Technology Education

## Architecture & Construction

Residential Heating & Air Conditioning

## Human Services

Cosmetology (high school only)

## Manufacturing

Computer-Aided Drafting  
CNC Machining  
Welding and Metal Fabrication

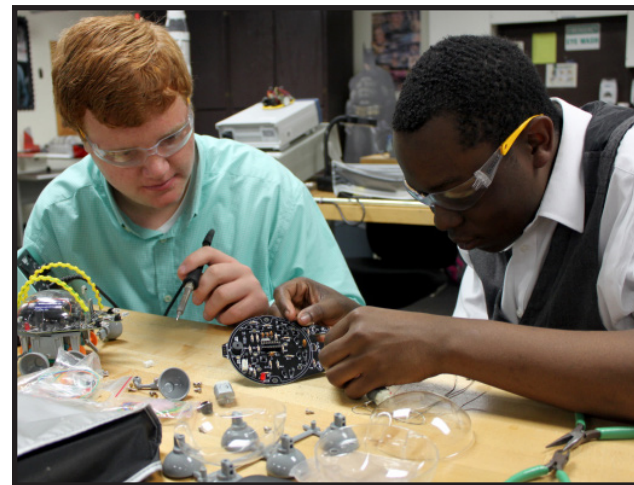
## Health Science

Health Careers Certification  
Practical Nursing (adults only)  
Emergency Medical Services (HS seniors & adults only)

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**Red River**  
TECHNOLOGY CENTER  
3300 W. Bois D'Arc • PO Box 1807  
Duncan, OK 73533

# Electronics



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TECHNOLOGY CENTER

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Duncan, OK 73534  
[www.rrtc.edu](http://www.rrtc.edu)

Title IX/504 Coordinators: Misty Wade, Program Director, [mwade@rrtc.edu](mailto:mwade@rrtc.edu); and Kelly Pollock, Program Director, [kpollack@rrtc.edu](mailto:kpollack@rrtc.edu)  
580-255-2903 • 3300 West Bois D'Arc Ave., Duncan, OK 73533

# Electronics



Let's face it; we all interact with electronics devices everyday of our lives! The Electronics career pathway provides students with the skill-sets required within today's leading industries to assemble, install, interface, maintain and repair electronic circuits, devices and equipment.

Through a combination of instructor-led discussions, defined coursework, state-of-the-art computer assisted instructional software and practical hands-on experiments and projects, students will learn the correct use of Electrical Safety Procedures; Electronic Test Equipment and Effective Troubleshooting Procedures.

The Electronics career pathway assumes no prior technical knowledge and emphasizes a ground-up, step-by-step approach in the discovery of electronics technologies, including: *AC Circuits; DC Circuits; Solid-State Circuits and Devices; Digital Circuits and Devices; and Microprocessor Technologies.*

Comprehensive electrical/electronics theory is substantiated with extensive, hands-on lab work specially designed to re-enforce the student's understanding of the presented curriculum and concepts. Successful completion of the Electronics career pathway, in conjunction with optional Independent Industry Certifications and cooperative college credit alliances, fully qualifies graduates for entry-level employment in many of today's technology industries.

According to a recent national business review, Electronics Technician positions will see continued growth over the next 10 years, outpaced only by health care technology.

## Local Program Offerings

- Electronics Technician

## Employment Opportunities

- General Electronics Technician
- Aircraft/Aerospace Electronics/Electrical Wiring Tech.
- General Electronics Circuit Assembly
- Avionics Digital Installation Technician
- Audio Electronics Technician
- Biomedical Electronic Equipment Technician
- Automotive Electronics Technician
- Computer Repair Technician
- Electronic Casino Gaming Equipment Technician



*There are NO LIMITS to your future potential!*

## Student Organization

Students have the opportunity to participate in the SkillsUSA student organization.

Some SkillsUSA activities include: Leadership activities, community service, and competitive events.



## Independent Industry Certifications

Electronic Systems Association

- Electronics Systems Association – ESA DC Circuits Level 1 Certification (\$35.00)\*\*
- Electronics Systems Association – ESA AC Circuits Level 2 Certification (\$35.00)\*\*
- Electronics Systems Association – ESA Solid-State Circuits Level 3 Certification (\$35.00)\*\*
- Electronics Systems Association – ESA Digital Systems Level 4 Certification (\$35.00)\*\*

International Society of Certified Electronics Technicians

\*\*Upon acquisition of ESA levels 1 through 4 certifications the student is additionally awarded (at no additional cost) an Associate Level Certification, valid for two years, from the International Society of Certified Electronics Technicians (ISCET).

For information call 580-255-2903 or 888-607-2446 Ext. 261 or visit us on-line at [www.rrtc.edu](http://www.rrtc.edu)