

# SOUTHWEST TECHNOLOGY CENTER

711 West Tamarack

Altus, OK 73521

580.477.2250

www.swtech.edu



## ENGINEERING AND TECHNOLOGY PATHWAY

### PROGRAM DESCRIPTION

Job satisfaction, good pay and high demand are the motivating factors for being an electronics technician. Students learn to troubleshoot complex problems in DC circuits, AC circuits, semiconductors, and digital circuits. Students will learn how to apply mathematics, science, and technology concepts to solve problems.

### CERTIFICATIONS/EMPLOYMENT

After successful completion of the electronics technician program, students are prepared to take the electronics assembler and the general electronics assembler competency exams through the Oklahoma Department of Career Technical Education, ODCTE, as well as ISCET. Employment opportunities are exceptional in both the private sector if students are prepared to further their education with a certification in the flight simulator technician program or to continue their education in an engineering or engineering technology program.

### SALARY RANGE

Average starting salaries range from \$15.00 to \$20.00 per hour

### HELPFUL ATTRIBUTES

English I and II, Algebra I and II, and Physics

Good eyesight

Reading and comprehension at 11th grade level or above

Willingness to pursue further education

Ability to understand abstract ideas

Strong ability to visualize and understand graphs, charts, and blueprints

### ELECTRONICS TECHNICIAN

1050 HOURS

TI 00531	Electrical Safety for Electronics Technicians	15
TI 00629	Instruments & Measurements for Electronics Technicians	15
TI 00540	Soldering for Electronics Technicians	15
TI 00630	Mechanical Fasteners & Terminals for Electronics Technicians	15
TI 00539	Electronics Hand and Power Tools for Electronic Technicians	15
TI 00532	Electromechanical Devices for Electronics Technicians	45
TI 00533	DC Circuits for Electronics	120
TI 00631	AC Circuits for Electronics Technicians	180
TI 00534	Semiconductor Devices for Electronics Technicians	90
TI 00535	Semiconductor Circuits for Electronics Technicians	150
TI 00693	Linear Circuits for Electronics Technicians	90
TI 00679	Data Communication for Electronics Technicians	120
TI 00678	Microprocessor Systems for Electronics Technicians	60
TI 00515	Digital Systems for Electronics Technicians	90
TI 00802	Workforce Staging	30

# CHANGING LIVES

## ONE CAREER AT A TIME



### ASSESSMENT

Adult: CR101 and COPSystem  
High School: PLAN and COPSystem  
Cost: CR101/\$5 CCC/\$5

### ENROLLMENT OPTIONS

Adult and high school students  
Full-time: 8:00 to 3:00  
Part-time: 8:00 to 11:00  
Part-time: 12:00 to 3:00

### TUITION RATES

In district: \$2.10 per hour  
Out of district: \$4.20 per hour

### PROGRAM ACCREDITATIONS

Oklahoma State Board of Education  
Oklahoma Board of Career  
Technology Education

### CONTACT INFORMATION:

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### ATTENDANCE

High priority is placed on attendance. Reliability in the workplace is the single most valued employee trait in today's job market. The following attendance rules will apply to both secondary and post-secondary students enrolled in this program. Attendance will be calculated and applied to each nine-week grading period. Students will be required to be in attendance approximately 90% of the time. This means that a student cannot miss more than 5 days in a nine-week period.

### ON-THE-JOB TRAINING

Students may be selected to participate in a work-study program during the semester prior to graduation. Selection is based on classroom work, attendance, work attitude, reliability and appearance.

### COLLEGE CREDIT

Students can receive college credit hours towards an Associate of Applied Science through Prior Learning Assessment (PLA) at participating higher education institutions.

Upon completion of the SWTC electronics program, students who choose to further their education will need additional college hours to complete an Associate of Applied Science degree.

### FINANCIAL AID

To qualify for financial aid, students will need to complete a Free Application for Federal Student Aid, FAFSA, form and enroll in a career major that is at least 600 hours. Application forms may be obtained from the financial aid coordinator, Monica Cox. Please have documentation of high school graduation or G.E.D. completion.

Grants	PELL OTAG
Scholarships	SWTC Foundation Scholarship ODCTE Otha Grimes Scholarship ODCTE McCrabb Scholarship P.E.O. Program for Continuing Education OAMCTE Scholarship for Minority Students Lee Office Scholarship Breakfast Club Scholarship Oklahoma Business and Professional Women's Foundations Scholarship Tribal Scholarships OHLAP
Other Funding Sources	WIA Demand Labor Force Careers-OK Employment Security Commission Office WIA-Youth Program Department of Human Services-TANF Department of Rehabilitative Services Veteran's Benefits Oklahoma Rural Organization/OK Employment Security Air Force Aid Society