

Campus Location

Lemley Campus @ Memorial Complex

Occupational Focus

The job opportunities within the electrical industry are not only many, but also varied and lucrative, because the operation of almost every household, business and industry is tied directly to electrical components. Tulsa Tech's Electrical Technology program takes you from the basics of electrical theory and applications through to actual employment in the electrical industry and all within the standards of the National Electrical Code (NEC). Students will work in a self-paced, flexible program and under the direction of a licensed electrical contractor. You will not only explore the basics of electrical circuits, testing and measurement equipment, breakers and panels and grounding systems, but also learn phases of residential, commercial and industrial wiring installations, design, equipment, and components. Other topics include tele-data communication cabling and connections, audio systems, computer controllers, and fire and security alarm systems. You may choose to focus in one area for advanced laboratory studies and then apply hours toward licensing requirements leading to business ownership or 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.

High school - Three hours daily

Adult - 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

Career Majors

Commercial Electrician's Assistant - 1050 Hours*

This career major will introduce students to the skills required of a Commercial Electricians Assistant, safety practices and commercial electrician's tools and equipment uses/operations.

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

Books/Supplies

No textbook charge for high school students within Tulsa Tech District

Adult books/\$75; uniforms/\$100

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

National Center for Construction Education and Research (NCCER)

- Construction Core

Employment Opportunities

Residential electrician, commercial electrician, industrial electrician, service electrician, fire alarm installer, computer network cable installer, maintenance electrician, cable TV installer, elevator technician, control technician, high voltage lineman, electrical inspector, electrical business owner

Tulsa-Area Salary

\$11.44 - \$17.40/hour

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

Commercial Electrician's Assistant - 1050 Hours*

Year One

Workforce Staging
General Construction Safety and First Aid
Electrical Safety in Construction
Electrical Power and Hand Tools and Equipment in Construction
Electrical Theory In Construction
Basic Wiring Methods I
National Electric Code In Construction I
Basic Wiring Methods II
Electrical Schematic and Blueprint Reading in Construction
Direct Current Circuits in Construction
Commercial Wiring Methods I

Year Two

Alternating Current Circuits in Construction
Basic Wiring Methods III
Motor Theory and Operation in Construction
Motor Control Wiring in Construction
Commercial Wiring Methods II
Electrical Distribution in Construction
National Electric Code In Construction II
Basic Wiring Methods IV
Programmable Logic Controllers In Construction

**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.