

ELECTRICIAN AND POWER TRANSMISSION TECHNOLOGY

CAREER OPPORTUNITIES IN ELECTRICIAN AND POWER TRANSMISSION TECHNOLOGY

According to state and national surveys, career opportunities for trained electrical workers are excellent. WorkSource of the South Plains and the Texas Workforce Commission have identified electricians as an occupation with potential for growth. South Plains College offers training for two occupational areas in the electrician and power transmission industry. Graduates may find work as linemen for electrical utility companies, or they may be employed as electricians for commercial and residential electrical companies.

The benefits of this type of work are many. Jobs in the industry often combine a high level of technical skills with physical labor and a chance for indoor and outdoor work. Many companies offer good benefits, good wages and the chance for advancement.

In the electronics age, there will always be the need for electrical power and skilled technicians to make this power available.

ELECTRICIAN AND POWER TRANSMISSION TECHNOLOGY AT SPC

Whether you are just out of high school or a career worker in the industry, SPC's program in Electrician and Power Transmission Technology provides you the skills you need for this ever-changing field. The two-year technical program is designed to prepare qualified graduates for entry-level job positions with electrical utility or commercial electrical companies. In addition, the program provides skills for persons currently employed in the field to help keep them updated and upgraded on the job.

Qualified graduates may receive an associate of applied science degree or an optional certificate of proficiency. The Electrician and Power Transmission Technology program provides excellent hands-on training in modern facilities. Instructors have extensive firsthand experience and knowledge of the electrical industry. An advisory committee of experts from the industry meets regularly to review the program and keep it up-to-date with industry and employment trends.

CURRICULUM PATTERN

The program's curriculum is a combination of specialized electrical courses and general education courses that fulfill requirements for the associate of applied science degree. The curriculum can be completed in four semesters of college study. The program includes a strong background in courses such as English, mathematics, speech, business and computer-related areas. The curriculum is based upon a core of four Electrician and Power transmission technology classes that provide a foundation for any electrical field. Along with the core classes, a student then chooses, with the help of an advisor, the courses needed to specialize as an electrician or electrical lineman.

The core curriculum consists of:

- *Electrical Calculations*
- *Basic Electrical Theory*
- *Introduction to Basic Safety and Tools*
- *Electrical Power Distribution*
- *Other courses available for electrician or lineman training are:*
- *Residential Wiring*
- *Commercial Wiring*
- *Electrical Machines*
- *Industrial Wiring*
- *Digger/Derrick Operator Training*
- *Basic Pole Climbing*
- *Underground Troubleshooting*
- *Transformer Connections*

Classes are offered during the day and in the evening to accommodate the work schedule of those already working in the field.

For more detailed information about the curriculum pattern and course descriptions, please consult the current General Catalog or visit our web site at www.southplainscollege.edu/elpt.



JOBS IN THE ELECTRICIAN AND POWER TRANSMISSION FIELD

South Plains College's program in Electrician and Power Transmission Technology is geared to fill the growing demand for highly trained technicians in the electrical utility and commercial electrical fields.

Utilities companies hire line technicians, who traditionally perform heavy-duty tasks, such as stringing lines, switching gears and working with transformers. They install power line services for new businesses and residential areas, upgrade service to customers and are responsible for power distribution. Line technicians also work in emergency situations, restoring power during outages caused by storms and accidents.

Technicians working in the commercial electrical industry typically work in a variety of conditions. They may do electrical wiring in a plant or field setting, or they may work on electrical problems in a residential or agricultural setting.

Computerized equipment monitoring activity in the electrical field or in an oilfield setting requires the services of skilled technicians. SPC's Electrician and Power Transmission Technology program provides an excellent opportunity for workers who want to upgrade their skills and learn more about the electrical industry.

FINANCIAL AID

South Plains College offers a full-service student financial aid program for those students who are eligible for federal financial aid in the form of grants, loans or employment. For more information about financial aid options, contact the Financial Aid Office at the SPC Reese Center or the Levelland Campus

FOR MORE INFO:

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Prospective Students: You may view SPC's Annual Security Report and Fire Safety Report online at <http://www.southplainscollege.edu/about/campussafety/campussafety.php>. Printed copies are available upon request from the Vice President of Student Affairs, 806.716.2360. This contact information should only be used to obtain these reports.

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs • South Plains College • 1401 College Avenue, Box 5 • Levelland, TX 79336 • 806.716.2360