



Frank Phillips College Workforce Programs

Frank Phillips College workforce programs include courses offered at the FPC Center for Access & Innovation building located at 901 Opal Street in Borger, TX. For more information on any of the following classes, call 806-457-4200, ext. 776 or contact Dean of Career & Technical, Tiffany Thomas, at tthomas@fpctx.edu.

Instrumentation and Electrical Program

Frank Phillips College is home to the largest training facility for petrochemical and refining operations in the Texas Panhandle. Frank Phillips College offers certificates in instrumentation, electrical, pump & engine and process tech fields. Students learn theory and practical skills in electronics, instrumentation, mechanical, and control at Borger, Dalhart, or Perryton sites. Students can earn a certificate in instrumentation, electrical, pump & engine, and process tech. Students will be eligible to work when they have completed one of these certificates. Students taking the instrumentation and electrical program will be eligible to receive an associate of applied science degree after completing 60 semester hours of course work.

Admission to the Program

The instrumentation and electrical program accepts students in fall, spring, and summer semesters. Each program has a student-to-faculty ratio of less than 25:1, and admission is offered to students who have completed all admission requirements on a first-come, first-serve basis. When the program has enrolled students to capacity, the Director will create a wait list for students who may be admitted if space permits.

Careers in Instrumentation and Electrical

The Texas Panhandle is the home for some of the largest petrochemical and refining operations. The demand for skilled instrumentation, electrical, process technicians and pump and engine technicians continues to grow. Our graduates enter the workforce with the equivalent of years of on-the-job experience. Companies continually hire students straight out of our program.

Instrumentation certificate

- Prepares students to be an Instrumentation and Control (“I&C”) Technician to calibrate, maintain and repair all instruments, control systems and electrical equipment.
- Teaches students to Inspects, repair, installs and test instrumentation systems by production equipment to ensure adherence to established performance levels and product quality.
- This program is praised by industry for the quality of students graduating from our program.

Electrical certificate

- Prepares students to perform maintenance and calibration on existing electrical systems and equipment.
- Teaches students to inspect, Install, maintain and repair electrical and control systems.
- This program is praised by industry for the quality of students graduating from our program.

The Process Technology certificate:

- Prepares students to become plant operators responsible for equipment, the hazards of the chemicals, and the chemistry and physics involved in process technology.
- Teaches students to read piping and instrumentation diagrams, identify equipment, troubleshoot equipment, operate simulators and, as a capstone course, run a Distillation Unit.
- Is praised by industry for the quality of students graduating from our program.

Pump and Engine Technology certificate:

- Prepares students with the mechanical skills to work on the motors and pumps used in oil, gas, and other industry.
- Teaches students to identify different types of equipment, operations, and troubleshooting skills needed to become a highly trained pump and engine technician.
- This program is praised by industry for the quality of students graduating from our program.