

## DIESEL SERVICE TECHNOLOGY

### THE PROGRAM

Diesel Service Technology at South Plains College Levelland campus is a two-year program that is designed to train in the maintenance, diagnostics and repairs of diesel-powered equipment.

Students start their first year studying for the Basic Diesel Certificate, preparing them for their second-year concentration in either Transportation or Heavy Equipment / Agricultural Equipment. Students in the first year of study learn safety, shop procedures, HVAC for machines, basic electrical, basic hydraulics, Diesel engine overhaul and mechanical diagnosis, brake systems, manual transmissions and drivetrains. Second year students all study advanced electrical, electronic controls, advanced tune up and troubleshooting, and fuel systems. Those that choose the Transportation concentration will go on to study more advanced Diesel engine repair and overhaul, advanced transmissions covering automatic as well as manual and AMT, steering and suspension systems, and an elective course of either advanced hydraulic systems or powershift and hydrostatic powertrains. Students who chose to concentrate in the Heavy Equipment / Agricultural Equipment study advanced hydraulics and delve into two sections of powershift and hydrostatic powertrains, as well as an elective class of either engine overhaul or steering and suspension systems. Students pursuing the Equipment Certificate will take the AED Technician Certification test.

Students can also earn an Associates of Applied Science in Diesel Service Technology. This is still a two-year course of study, and the courses are taken along with the Diesel Service Technology Courses. Dual certification in both Transportation and Equipment Certifications can also be done, both with certificate only or with the AAS degree path.

### FACILITIES AND EQUIPMENT

The Diesel Technology program occupies a facility over 14,000 square feet in space, with a class room, large main building lab, and a second, auxiliary lab & classroom. Access to lab computers, specialty tools and a broad mix of equipment and modules provide students with hands on application for what they learn in the classroom. The program focuses on practical application of theory, and emphasis is put on diagnostics and understanding of the mechanical function of components.

### CAREER OPPORTUNITIES

Diesel Technicians are in high demand. Students have the opportunity to interact with companies that are interested in hiring them while they complete their studies, while many students attend who have already negotiated a job that waits for them to graduate. Graduates of the program can be found easily in the local West Texas and New Mexico areas, or as far away as off shore drill rigs, Navy ships traveling the world, Washington state in a field truck, traveling on call for specialized diagnostic field work, working on cranes, tractors, semis, just to name a few. Some choose to stay technicians throughout their careers, but some move into other areas of the industry and become foreman, managers, specialists, industry trainers and business owners.

### FOR MORE INFO:

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