

DIESEL SERVICE TECHNOLOGY

THE PROGRAM

South Plains College offers a variety of certificates and an Associate degree in the Diesel Technology program. Our program is centered around hands on training with a wide variety of engines, transmissions, axles, hydraulic, and electrical components.

The level of technology that you will work with is as varied as the equipment that is found in the diesel industry. We introduce you to principles, concepts and systems that will lead to advanced levels as you progress in learning. The technology that is having the biggest influence on all systems is electrical and electronic controls. Areas such as hydraulics, engine controls & diagnostics as well as chassis wiring are just a few of the examples of where this is happening.

We strive to keep our program and its content up to current industry needs and requirements. This is accomplished through the guidance of an advisory committee comprised of industry representatives. Our instructors have been to many industry sponsored educational updates to keep current too. Their backgrounds include transportation, equipment and agriculture.

Students enrolling in the Diesel Technology program will begin in our Basic Diesel certificate. This is the first year of studies and is intended to establish basic knowledge and skill levels in preparation for advanced studies. In the second year, a student may elect to take courses that lead to a specialization certificate in either the transportation industry or the heavy equipment and agriculture industry. There is also the opportunity to obtain an Associate's degree in Diesel Technology. The certificates are exempt from TSI requirements whereas the associate degree requires TSI (Texas Skills Initiative) compliance. More information on TSI may be found on the SPC website.

FACILITIES AND EQUIPMENT

South Plains College has and maintains some of the best facilities and equipment in the state for training future technicians. The Diesel Technology program occupies a facility over 14,000 square feet in space. Within that space we have numerous pieces of equipment and tooling to utilize for your training including a chassis dynamometer which is capable of testing up to a modern class 8 (18 wheeler) for road power or it can be readily converted to test tractor output horsepower via the power takeoff shaft. Within this facility we have a tool room for storage of specialized test equipment and larger hand tools. The facility is well lit, insulated and heated. We also have a room in an adjoining building that is dedicated to fuel system components and their testing. We have recently added updated hydraulic training equipment, electrical circuit boards and air conditioning trainers. Also added is an assortment of heavy equipment including an excavator, skid steer, loader and backhoe.

SUBJECTS AND TOPICS

While you are enrolled you will study in the following areas:

- Shop Procedures
- Basic Electrical
- Basic Hydraulics
- Heating, Ventilation and A/C
- Transmissions
- Axles
- Brakes
- Steering
- Engine Repair
- Troubleshooting
- Tuneup
- Electronic
- Controls
- Fuel Systems
- Diagnostics
- Failure Analysis

For more detail on our courses, course descriptions and sequence, please consult our current General Catalog or visit the SPC website.



QUALITY EDUCATION AT AN AFFORDABLE PRICE
WWW.SOUTHPLAINSCOLLEGE.EDU

Prospective Students: You may view SPC's Annual Security Report and Fire Safety Report online at https://myspc.southplainscollege.edu/ICS/Safety_and_Health/Annual_Security_Report.jnz.

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

WORK EXPERIENCE

The program allows for advanced placement based on the skills you may have obtained in previous job situations. Students with prior work experience or training in automotive or diesel servicing may demonstrate their skills through testing and be placed in advanced classes. If you successfully pass the skills test, you will receive college credit for those skill levels that correspond to program competencies. Contact the program coordinator for more information.

CAREER OPPORTUNITIES

A diesel technician is a vital part of keeping America and the rest of the world going. Diesel is involved in every area of your life and enables our daily needs to be met. Employment opportunities are numerous and encompass a variety of fields including transportation, agriculture, construction and industrial applications. There is at present, a vast shortage of qualified technicians and because of this, our program has had a 100% placement rate for our graduates for well over 20 years. This field is not limited to males, but is very open to female technicians as well. You do not have to be big and brawny to work in this 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.

scholarships

Prospective students who plan to enroll are encouraged to apply for scholarships offered at SPC. A list of scholarships is available by contacting the Office of New Student Relations. The application deadline is March 1.

FOR MORE INFO:

Whitney Owens

Program Coordinator

Professor of Diesel Service Technology

Levelland Campus

806.716.2293

wowens@southplainscollege.edu

