

HEAVY DIESEL TRUCK TRAINEE, CERTIFICATE OF TECHNOLOGY



Program Information

The Diesel Technology department at San Jacinto College is committed to teaching students this technology at industry level, while maintaining a close relationship with the diesel industry. We assist students with career options and job placement opportunities. The most important focus of this department is students and their knowledge acquisition.

The San Jacinto College Diesel Technology program:

- Is committed to teaching students technology at industry level, while maintaining a close relationship with the diesel industry;
- Teaches engine testing and repair, electrical systems, HVAC, power train, brake systems, safety, and more; and
- Offers an associate degree program that provides students the business background needed to open doors on the corporate and management sides of the industry.

Career Opportunities

Careers in diesel technology are at an all-time high. Most of our students are hired before graduation. Many students are recruited by companies and organizations such as:

- Cummins,
- Stewart & Stevenson,
- City of Houston,
- Penske Corporation, and
- Houston area truck dealers.

Earning Potential

Bus & Truck Mechanics & Diesel Engine Specialists: \$59,249 per year¹

¹ Source: texaswages.com, median salary Gulf Coast region, 2023

For more information, students may contact 281-998-6350, x7639.

Campus

North Campus

Information

The Heavy Diesel Truck Trainee Certificate of Technology focuses on the technical training required to enter the field of diesel technology in the repair and maintenance of over-the-road, heavy-duty diesel trucks. Topics of study will focus on the knowledge and technological skills students need to obtain entry-level employment. This certificate is currently only offered to dual credit and Early College High School students to meet the unique needs of these dual-enrollment students. Students interested in a Certificate of Technology in Heavy Diesel Truck may reference the Heavy Diesel Truck Certificate of Technology. (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/heavy-diesel-truck-certificate-technology/>)

Plan of Study

4DESL-HTRT

First Year

First Term		Credits
DEMR 1301	Shop Safety and Procedures	3
DEMR 1306	Diesel Engine I	3
Credits		6

Second Term

DEMR 1405	Basic Electrical Systems	4
DEMR 1410	Diesel Engine Testing and Repair I	4
Credits		8

Third Term

DEMR 1413	Fuel Systems	4
DEMR 2432	Electronic Controls	4
Credits		8

Fourth Term

DEMR 1423	Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair	4
DEMR 1317	Basic Brake Systems	3
Credits		7

Total Credits		29
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