

HEAVY DIESEL POWER, 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: \$52,654 per year¹

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2021

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

Campus

North Campus

Information

The Diesel Heavy Power Certificate of Technology will prepare students for a career in the power generation field.

Plan of Study

4DESL-HPW

First Term		Credits
DEMR 1301	Shop Safety and Procedures	3
DEMR 1306	Diesel Engine I	3
DEMR 1229	Preventative Maintenance	2
DEMR 1410	Diesel Engine Testing and Repair I	4
Credits		12
Second Term		
DEMR 1405	Basic Electrical Systems	4
HART 1407	Refrigeration Principles	4
ELPT 1341	Motor Control	3
ELPT 1311	Basic Electrical Theory	3
Credits		14
Third Term		
DEMR 2334	Advanced Diesel Tune-up and Troubleshooting ¹	3
DEMR 1413	Fuel Systems	4
HART 2441	Commercial Air Conditioning	4
ELPT 2423	Transformers	4
Credits		15
Total Credits		41

¹ Capstone Experience: DEMR 2334 Advanced Diesel Tune-up and Troubleshooting