

The Career Certificate (C.C.) in Diesel Systems Technician prepares students or employment or specialized training as a service technician.

The program provides instruction on theory and operation through courses that align with Automotive Service Excellence (ASE) Certification areas.

| <input checked="" type="checkbox"/> Task |
|--|
| <input type="checkbox"/> Complete an academic degree plan with your program advisor. |
| <input type="checkbox"/> Follow up with an advisor about any prior credits that you may have earned (e.g., coursework, military experience, work experience, licensure/certification exams, etc.). |
| <input type="checkbox"/> Attend Program Orientation. |
| <input type="checkbox"/> Begin job seeking for internship placement within industry. |
| <input type="checkbox"/> Satisfy the career certificate graduation requirements. |

Program Accreditation

The Career Certificate program in **Diesel Systems Technician** is accredited by the **Automotive Service Excellence Education Foundation (ASEEF)**. For more information about ASEEF visit aseeducationfoundation.org.

Career Options

You will attain the knowledge and skills needed for such career options as automotive service technician and mechanics or bus and truck mechanics and Diesel Engine specialists. **Related Career Pathways** include the following: front-line supervisors of Mechanics, Installers and Repairers.

Related Industry Certifications

Upon completion of this program, students will be prepared for the following certifications or licenses:

- EPA Section 609 Certification for Mobile Air Conditioning systems
- ASE T1 through T8 certification

Advising

(904) 633-8281 or autodiesel@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **This program is offered for full-time student enrollment.**

Fall Term

| <input checked="" type="checkbox"/> | Course: Course Title | Contact Hours | Number of Weeks Per Course | Available Modalities |
|-------------------------------------|--|---------------|----------------------------|----------------------|
| <input type="checkbox"/> | DIM 0940: Truck Technician Co-operative Internship I | 120 | 15 | On-Campus |
| <input type="checkbox"/> | DIM 0004: Introduction to Diesel Technology | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0301: Medium and Heavy Truck Electrical Systems | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0801: Truck Brake and Hydraulic Systems | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0111L: Truck Technician Lab I | 90 | 3 | On-Campus |

Spring Term

| <input checked="" type="checkbox"/> | Course: Course Title | Contact Hours | Number of Weeks Per Course | Available Modalities |
|-------------------------------------|---|---------------|----------------------------|----------------------|
| <input type="checkbox"/> | DIM 0941: Truck Technician Co-operative Internship II | 120 | 15 | On-Campus |
| <input type="checkbox"/> | DIM 0111: Medium and Heavy Truck Diesel Engines | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0842: Diesel Engine Performance | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0005: PMI for Medium and Heavy Duty Trucks | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0802L: Truck Technician Lab II | 90 | 3 | On-Campus |

Summer Term

| <input checked="" type="checkbox"/> | Course: Course Title | Contact Hours | Number of Weeks Per Course | Available Modalities |
|-------------------------------------|---|---------------|----------------------------|----------------------|
| <input type="checkbox"/> | DIM 0942: Truck Technician Co-operative Internship II | 150 | 15 | On-Campus |
| <input type="checkbox"/> | DIM 0943: Truck Technician Capstone Co-operative Internship | 360 | 15 | On-Campus |
| <input type="checkbox"/> | DIM 0500: Truck Steering and Suspension | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0610: Truck Heating and Air Conditioning Systems | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0220: Diesel Powertrain and Powertrain Management Systems | 90 | 3 | On-Campus |
| <input type="checkbox"/> | DIM 0803L: Truck Technician Lab III | 90 | 3 | On-Campus |

Total Program Contact Hours

Students considering a Career Certificate in **Diesel Systems** should be aware that the program requires **1800** contact/clock hours that must be completed and documented. Students should also understand and accept the attendance requirements prior to enrolling in this Career Certificate program. This **Diesel Systems Technician** clock-hour program is eligible for financial aid.

Embedded Certificate

An embedded career certificate is available within this program: Diesel Systems Technician (5826) (C.C.). Students may pursue the career certificate and earn the embedded certificate while completing the requirements for the program, or pursue the embedded certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you.

Important for You to Know

Classes are 6 hours a day and run Monday-Thursday, except for internships.

Test of Adult Basic Education: The Test of Adult Basic Education (TABE) is a major criterion in students' completion of the program. To earn the Career Certificate, students must achieve or surpass the [designated exit score\(s\) on the TABE](#) or qualify for a [TABE Waiver](#). Students with prior coursework, test scores or licensing may qualify for a [TABE Waiver](#) and can visit or contact any FSCJ [Assessment and Certification Center](#) to have the waiver processed and added to their individual student record. For students who do not meet the required TABE scores and who therefore need assistance to meet this exit requirement, the College offers remediation in basic skills through [Adult Education](#).

Notice to prospective students: A poor driving record, certain felony convictions or not having a regular unrestricted driver's license will adversely affect your employment opportunities as a diesel truck technician. Students are strongly encouraged to explore employment eligibility requirements for any career field before choosing and starting a program of study.

Internship Requirement: The following courses require employment at an approved business and access to reliable high-speed internet: DIM 0940, DIM 0941, DIM 0942 and DIM 0943. Students will document their work in an electronic portfolio as specified by the instructor:

Program Learning Outcomes

Upon completing this program, students will be able to:

- Students will learn steering and suspension systems.
- Students will demonstrate an understanding of the importance of proper wheel alignment and how it affects vehicle handling and stability.
- Students will learn heating and air conditioning systems and will demonstrate the proper procedures for the recovery and recycling of refrigerants.
- Students will be able to perform precision engine measurements and determine necessary action.