



Heavy Duty Diesel Technology Certificate– Required Courses– Spring 2010

The Heavy Duty Diesel Technology Program is designed to provide students with the skills and knowledge necessary to succeed as technicians in the automotive service and heavy duty diesel transportation industry.

The course work emphasizes diesel service management, as well as the theory and skills of refrigeration, electronics and mechanical fuel injection, chassis maintenance, vehicle inspection, tune-up, engine overhaul, transmission repair, break service, and handling hazardous waste. The curriculum provides exposure to all facets of the industry with specific emphasis on problem solving and transferability of skills.

Local companies have an acute need for well trained individuals. A wealth of career opportunities exists in both agricultural and industrial application in the Central Coast area for diesel mechanics.

| Course # | Title | Units | SPRING 2010 CLASSES | Date Taken | Grade (when complete) |
|---|--|--------------|---------------------------|---------------|-----------------------------|
| AUT-150 | Introduction to Heavy Duty Diesel Technology | 4.0 | X | | |
| AUT-151 | Heavy Duty Diesel Preventive Maintenance | 3.0 | X | | |
| AUT-152 | Heavy Duty Diesel Electrical and Basic Electronics | 4.0 | X | | |
| AUT-153 | Heavy Duty Diesel Brakes, Steering and Suspension | 3.0 | | | |
| AUT-154 | Heavy Duty Diesel Engine Performance and Diagnostics | 4.0 | | | |
| AUT-155 | Heavy Duty Diesel Climate Control | 3.0 | | | |
| AUT-156 | Heavy Duty Diesel Engine Rebuild | 3.0 | | | |
| AUT-157 | Heavy Duty Diesel Electronics Systems and Controls | 4.0 | | | |
| AUT-158 | Heavy Duty Diesel Power Drive Train | 3.0 | | | |
| AUT-159 | Heavy Duty Diesel Automatic Transmissions | 4.0 | | | |
| ENG-101 * | Intermediate Composition and Reading | (3.0) | X | | |
| OR | or | | | | |
| ESL-101 * | Composition and Grammar for ESL | (5.0) | X | | |
| MAT-123** | Intermediate Algebra | (5.0) | X | | |
| Total units for certificate completion | | 43-45 | | | |

* Eligibility for Eng-1A fulfills this requirement.

** Completion of any math in which MAT-123 is a prerequisite with a grade of "C" or better or a score of 70% or greater on the mathematics competency exam fulfills this requirement.

AS Degree: Take the General Education required courses 15-17 units
Complete a total of 60 units

Questions?

Please contact the Agricultural Business and Technology Institute at 411 Central Ave. Salinas, CA 93901
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