



Heavy Duty Diesel Technology Certificate–Required Courses–Fall 2011

This certificate option is for students who want technical knowledge and experience in the diesel technology field. The course work emphasizes diesel service management, as well as the theory and skills of refrigeration, electronic and mechanical fuel injection, chassis maintenance, vehicle inspection, tune-up, engine overhaul, transmission repair, brake 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.

Course #	Title	Units	Fall 2011 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	X		
AUT 154	Heavy Duty Diesel Engine Performance and Diagnostics	4.0	X		
AUT 155	Heavy Duty Diesel Climate Control	3.0			
AUT 156	Heavy Duty Diesel Engine Rebuild	3.0			
AUT 157	Heavy Duty Diesel Electronic 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		
SUBTOTAL UNITS		(≥43.0)			

* Eligibility for Eng-1A fulfills this requirement.

** Eligibility for MAT-123 or completion of any math in which MAT-121 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 19-21 units
Complete a total of 60 units**

As a result of ongoing changes in technology, the need to expand competencies, and changing transfer requirements, certificate and degree may also change. If you note changes in degrees or certificate requirements, or if courses are not offered in a particular semester, please consult with a counselor or faculty on how best to complete the program in which you are enrolled.

Questions?

Please contact the Alisal Campus - Center for Advanced Technology at 1752 Alisal Street, Salinas, CA 93905
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