



**PROGRAM REQUIREMENTS**

[www.cvtc.edu](http://www.cvtc.edu) - 1-800-547-2882

START DATE(S): August	EFFECTIVE: <b>AUGUST 2010</b>
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**DIESEL/HEAVY EQUIPMENT TECHNICIAN (TRUCK TECHNICIAN): Program Outcomes**

*Technical Diploma*

Course Number	Course Title	Hrs./Week	Credits	Prerequisite(s)/Comments
<b>First Semester</b>				
412-305	<a href="#">Truck Chassis I</a> (T, L) [ <i>1<sup>st</sup> 8 weeks</i> ]	20	5	Program student, Corequisite: 412-306
412-306	<a href="#">Truck Chassis II</a> (T, L) [ <i>2<sup>nd</sup> 8 weeks</i> ]	20	5	Corequisite: 412-305
412-345	<a href="#">Basic DC Electricity</a> (T, L)	3	2	Program student
442-314B	Related Welding for Diesel	4	2	Program student
801-351	<a href="#">Applied Communications</a>	3	2	
<b>Total Semester Hrs./Week and Total Credits</b>			<b>16 cr.</b>	
<b>Second Semester</b>				
412-307	<a href="#">Chassis Electrical</a> (T, L)	10	5	412-306, Corequisites: 412-308, 412-309
412-308	<a href="#">Mechanical Gear Trains</a> (T, L)	8	4	412-306, Corequisites: 412-307, 412-309
412-309	<a href="#">Air Conditioning/Refrigeration</a> (T, L)	6	3	412-306, Corequisites: 412-307, 412-308
458-320	CDL License Training	--	1	Program student
804-361	<a href="#">Math 10</a>	3	2	
<b>Total Semester Hrs./Week and Total Credits</b>			<b>15 cr.</b>	
<b>Third Semester</b>				
412-310	<a href="#">Diesel Engine Operation &amp; Tune Up</a> (T, L)	8	4	412-309, Corequisites: 412-311, 412-312
412-311	<a href="#">Applied Mobile Hydraulics</a> (T, L)	4	2	412-309, Corequisites: 412-310, 412-312
412-312	<a href="#">Introduction to Electronic Control</a> (T, L)	8	4	412-309, Corequisites: 412-310, 412-311
412-320	<a href="#">Diesel Equipment Service Management</a> (T)	3	2	
419-301	Related Fluid Power (T) [ <i>1<sup>st</sup> 8 weeks</i> ]	4	1	Corequisite: 412-311
420-347	Related Machine Tool	4	2	
806-341	<a href="#">Vocational Science</a>	4	2	804-361 or 804-363
<b>Total Semester Hrs./Week and Total Credits</b>			<b>17 cr.</b>	
<b>Fourth Semester</b>				
412-313	Diesel Engine Overhaul (T, L)	10	5	412-312, Corequisites: 412-314, 412-315
412-314	<a href="#">Electronic Diagnostics</a> (T, L)	8	4	412-312, Corequisites: 412-313, 412-315
412-315	Preventive Maintenance (L)	2	1	412-312, Corequisites: 412-313, 412-314
412-380	<a href="#">Diesel Internship</a> (144 hours)	-	2	412-312
442-320A	Advanced Related Welding for Diesel	4	2	Program student, 442-314B
809-351	<a href="#">Occupational Relations</a>	3	2	
<b>Total Semester Hrs./Week and Total Credits</b>			<b>16 cr.</b>	

TOTAL CREDITS REQUIRED = 64

2.0 MINIMUM PROGRAM CUMULATIVE GPA REQUIRED FOR GRADUATION

If a student does not enroll in any courses at CVTC for two or more consecutive semesters, the student will be required to reapply with Admissions. Students must abide by any changes in admission requirements and degree requirements.

T = Theory

L = Lab

# Diesel/Heavy Equipment Technician Tips

## Pre-program Status Student

If the program is currently full, you may take courses related to the program that meet graduation requirements.

### These general courses are usually open to pre-program students:

804-361 Math 10	801-351 Applied Communications
806-341 Vocational Science	809-351 Occupational Relations

### Based on available openings, pre-program status students may also be able to take:

442-314B Related Welding for Diesel	442-320A Advanced Related Welding Diesel
420-347 Related Machine Tool	

Be sure to complete 804-361 Math 10 before 806-341 Vocational Science.

Be sure to complete 442-314B Related Welding for Diesel before 442-320A Advanced Related Welding Diesel.

By completing general studies and related technical courses ahead of time, pre-program status students can take a decreased credit load when they reach the more demanding major core courses.

## Pre-program Status Considerations

- You must estimate how long you will need to wait before beginning your program core courses. As this cannot be predicted exactly, you must make your best guess as you plan which courses to finish before you begin program core courses.
- Federal financial aid requirements say that students must complete their programs by the time 150% of the published credits have been attempted.

## Commercial Driver's License (CDL)

A Class A Commercial Driver's License (CDL) including air brakes is required for graduation. Students who already have a CDL must show proof/verification of their license to receive credit for 458-320 CDL License Training.

## ASE Certification

This program is an ASE (Automotive Service Excellence) program, certified by NATEF (National Automotive Technician Education Foundation). This enhances the student's employment potential. All students will be required to complete two ASE exams each year:

- First year exams are T4-Brakes and T5-Suspension/Steering
- Second year exams are T2-Diesel Engines and T8-Preventative Maintenance Inspection

## Controlled Substance Testing

Initial controlled substance testing is required before program entry. Students are subject to random controlled substance testing while enrolled in the program. Testing positive during the course of the program may jeopardize graduation.

## Tool Set Purchase

You will be required to purchase an approved tool set that costs approximately \$2,500 - \$4,000 from a college-approved vendor prior to starting. These tools will be used throughout the program.

## Financial Aid Consideration:

Some courses may not be eligible for financial aid. Courses must be part of a program to be eligible. A list of courses not eligible is located on [www.cvtc.edu/RegRec/Registration/CoursesNotCoveredByFA.pdf](http://www.cvtc.edu/RegRec/Registration/CoursesNotCoveredByFA.pdf).