

CERTIFICATE IN MEDIUM AND HEAVY-DUTY TRUCK SERVICE, DIAGNOSIS, AND REPAIR MASTER TECHNICIAN

Upon completion of the required courses, students will receive the Medium and Heavy-Duty Truck Master Technician Certificate. This certificate requires the completion of the courses required for the Diesel Engine Service, Diagnosis and Repair Technician Certificate (<http://catalog.citruscollege.edu/disciplines/automotive-technology/diesel-engine-service-diagnosis-repair-technician-certificate-achievement/>) and the more advanced truck system courses including hydraulics, truck chassis, drivetrain and HVAC courses which provide the training needed to service, diagnose and repair the truck systems specifically found on on-highway trucks. Students completing this certificate will be prepared to work as entry-level technicians in the on-highway truck industry.

Learning Outcomes

Certificate of Achievement Level Student Learning Outcomes

Students completing the Medium and Heavy Diesel Truck Service, Diagnosis and Repair Technician Certificate of Achievement will:

1. Be able to explain the theory and operation of heavy truck chassis systems, drivetrain and heating, ventilation and air conditioning (HVAC) systems.
2. Demonstrate safety procedures when working on heavy duty trucks.
3. Demonstrate effective communication to owners and operators of heavy duty trucks the required maintenance and repairs needed.
4. Demonstrate a thorough understanding of workplace expectations and apply proper troubleshooting techniques to diagnose and repair heavy duty truck systems.

Requirements

Code	Title	Units
Required courses:		
	Diesel Engine Service, Diagnosis and Repair Technician Certificate of Achievement	26
MTRK 160	Medium and Heavy Truck Hydraulics	3.5
MTRK 163	Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair	7
MTRK 164	Medium and Heavy Truck Chassis Service, Diagnosis and Repair	6
MTRK 167	Medium and Heavy Truck HVAC Service, Diagnosis & Repair	3

Select at least two (2) to four (4) units from the following:

Code	Title	Units
AUTO 230A	Automotive Service and Repair Work Experience A	1
AUTO 230B	Automotive Service and Repair Work Experience B	2
AUTO 230C	Automotive Service and Repair Work Experience C	3
AUTO 230D	Automotive Service and Repair Work Experience D	4
MTRK 698A	Cooperative Education	1
MTRK 698B	Cooperative Education	2
MTRK 698C	Cooperative Education	3
MTRK 698D	Cooperative Education	4
MTRK 699A	Cooperative Education	1
MTRK 699B	Cooperative Education	2
MTRK 699C	Cooperative Education	3
MTRK 699D	Cooperative Education	4
Total Units		47.5-49.5

Curriculum Map

2.5-Year Curriculum Map Example

This map represents one possible pathway through the program and is only for reference.

*It is highly recommended that you make an appointment (<https://www.citruscollege.edu/stdntsrv/counsel/Pages/ApptSchedule.aspx>) to create a customized education plan that fits your needs.

Course	Title	Units
Fall Term 1		
MTRK 160	Medium and Heavy Truck Hydraulics	3.5
MTRK 698B	Cooperative Education	2
	Units	5.5
Winter Term 1		
MTRK 167	Medium and Heavy Truck HVAC Service, Diagnosis & Repair	3
	Units	3
Spring Term 1		
MTRK 163	Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair	7
	Units	7
Summer Term 1		
MTRK 164	Medium and Heavy Truck Chassis Service, Diagnosis and Repair	6
	Units	6
	Total Units	21.5

Career Information

Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (<https://www.citruscollege.edu/stdntsrv/ctcenter/Pages/ApptSchedule.aspx>) with a career counselor.