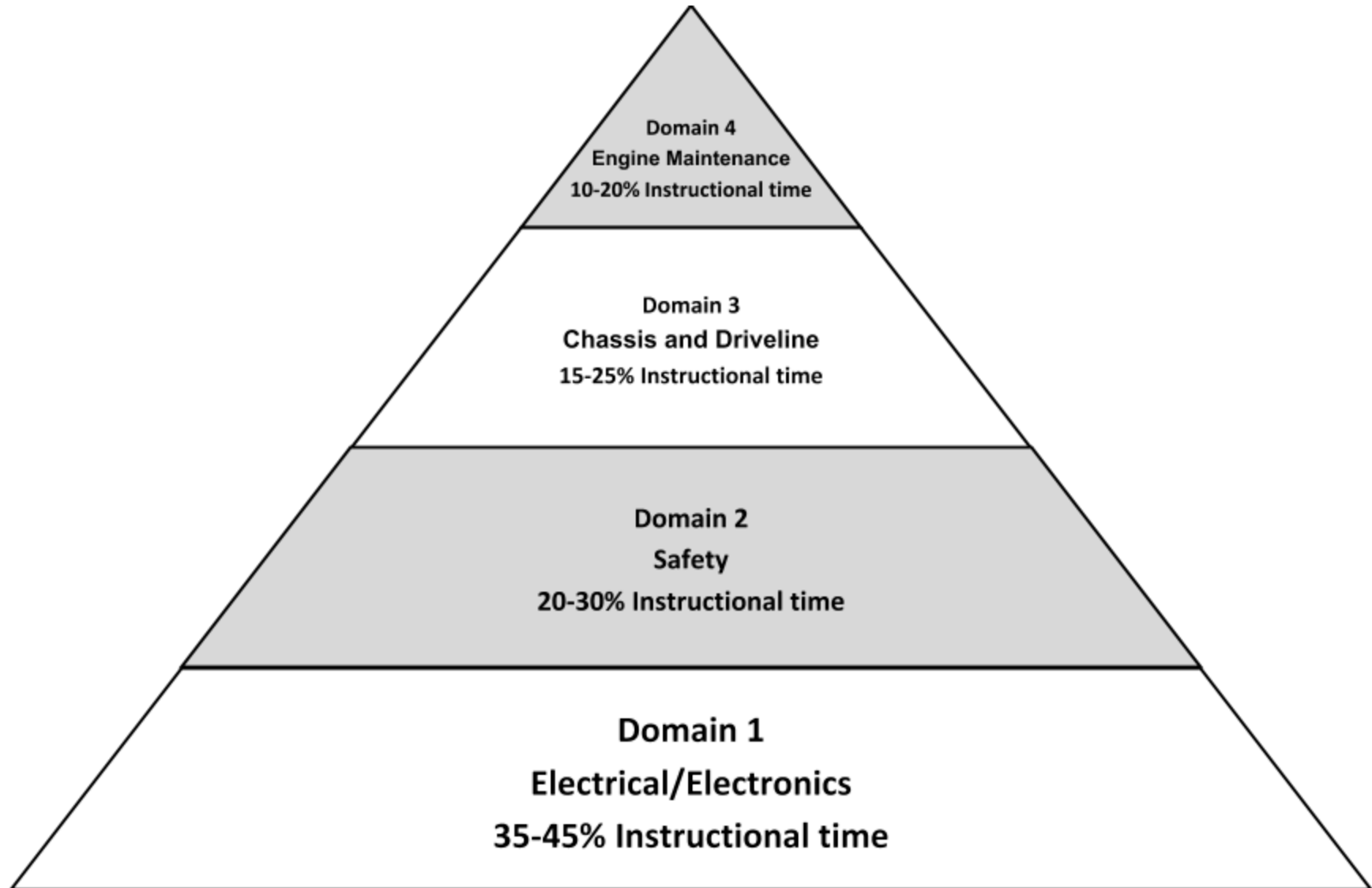


# Content Domains

Diesel Engine Repair 47.0600.40



The technical standards for the Diesel Engine Repair are clustered in 4 domains. The greatest percentage of instructional time will be spent on domains 1 and 2 with less time on domains 3 and 4. Students who complete the program should demonstrate a thorough knowledge in each of these domains.

# Content Domains, Standards and Instruction

Diesel Engine Repair  
47.0600.40

Domain	Related Standards	Instructional Time
<b>Domain 1 Electrical/ Electronics</b>	<b>STANDARD 1.0 PERFORM GENERAL ELECTRICAL SYSTEM DIAGNOSIS AND REPAIR</b> <b>STANDARD 2.0 PERFORM BATTERY DIAGNOSIS AND REPAIR</b> <b>STANDARD 3.0 PERFORM STARTING SYSTEM DIAGNOSIS AND REPAIR</b> <b>STANDARD 4.0 PERFORM CHARGING SYSTEM DIAGNOSIS AND REPAIR</b> <b>STANDARD 5.0 PERFORM LIGHTING SYSTEM DIAGNOSIS AND REPAIR</b> <b>STANDARD 6.0 PERFORM GAUGES AND WARNING DEVICES DIAGNOSIS AND REPAIR</b> <b>STANDARD 7.0 PERFORM RELATED ELECTRICAL SYSTEMS DIAGNOSIS AND REPAIR</b> <b>STANDARD 17.0 PERFORM BATTERY AND STARTING SYSTEM PM</b> <b>STANDARD 18.0 PERFORM CHARGING SYSTEM PM</b> <b>STANDARD 19.0 PERFORM LIGHTING SYSTEM PM</b>	<b>35-45%</b>
<b>Domain 2 Safety</b>	<b>STANDARD 13.0 PERFORM INSTRUMENTS AND CONTROLS PMS</b> <b>STANDARD 14.0 PERFORM SAFETY EQUIPMENT PM</b> <b>STANDARD 15.0 PERFORM CAB HARDWARE PM</b> <b>STANDARD 16.0 PERFORM HEATING, VENTILATION, &amp; AIR CONDITIONING (HVAC) SYSTEM PM</b>	<b>20-30%</b>
<b>Domain 3 Chassis and Driveline</b>	<b>STANDARD 20.0 PERFORM AIR BRAKE SYSTEM PM</b> <b>STANDARD 21.0 PERFORM HYDRAULIC BRAKE SYSTEM PM</b> <b>STANDARD 22.0 PERFORM DRIVETRAIN PM</b> <b>STANDARD 23.0 PERFORM SUSPENSION AND STEERING SYSTEMS PM</b> <b>STANDARD 24.0 PERFORM TIRE AND WHEEL PM</b> <b>STANDARD 25.0 PERFORM FRAME AND FIFTH WHEEL PM</b>	<b>15-25%</b>
<b>Domain 4 Engine Maintenance</b>	<b>STANDARD 8.0 PERFORM ENGINE SYSTEM PM</b> <b>STANDARD 9.0 PERFORM FUEL SYSTEM PM</b> <b>STANDARD 10.0 PERFORM AIR INDUCTION AND EXHAUST SYSTEM PM</b> <b>STANDARD 11.0 PERFORM COOLING SYSTEM PM</b> <b>STANDARD 12.0 PERFORM LUBRICATION SYSTEM PM</b>	<b>10-20%</b>

Content domains are bodies of knowledge, skills or abilities to be taught or assessed. They are clustered as related to technical standards for instruction. The suggested percentage of instructional time is listed for each domain. Instructional time corresponds to the percentage of assessment items included on the Technical Skills Assessment 2017