

SERVICE TECHNICIAN CURRICULUM

Your people are your greatest asset—and developing them is the key to lasting success. HDA Truck Pride University was created to empower our members with high-quality, industry-specific training that grows knowledge, builds confidence, and drives performance. With expertly curated courses, curriculums, and resources, our platform transforms learning into a competitive advantage.

The Service Technician Curriculum is entry-level learning that builds the technical expertise and problem-solving skills needed to keep the heavy-duty industry running strong. Covering safety, diagnostics, and key vehicle systems, each module deepens understanding and sharpens performance. This curriculum prepares technicians to meet today's service demands with knowledge, precision, and confidence.

Benefits For Fleets:

- Reduces downtime through better diagnostic accuracy
- Improves safety and compliance with foundational shop training
- Builds internal talent pipelines to reduce turnover
- Enhances shop culture with standardized learning
- Supports recruitment with measurable learning credentials



The Technician

Module	Description
Module 01 - Introduction	Industry fundamentals, continuous learning and growth, professional mindset, and collaboration and teamwork.
Module 02 - Basic Safety	Safety fundamentals, workplace awareness, hazard prevention, and emergency response basics.
Module 03 - Soft Skills	Communication essentials, thoughtful decision-making, effective problem-solving, and personal productivity.

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The Basics

Module	Description
Module 04 - Basic Systems Introduction	Industry fundamentals, vehicle and trailer types, key systems and components, and an introduction to air and brake systems.
Module 05 - Responsibilities Overview	The Technician role, differences between mechanic specialties, effective time management, clear work order communication, basic parts analysis, essential tools, and guidance for new technicians.
Module 06 - Tools, Equipment and Precision Measuring	Basic measurements, use of dial calipers and micrometers, precision measurement techniques, proper handling of hand tools, power tools and equipment, and use of telescoping gauges.
Module 07 - Shop Math and Calculations	Scientific principles, applied shop math and calculations, and the relationship between torque and horsepower.
Module 08 - Fasteners	Fastener basics, techniques for removing broken bolts, proper torque wrench use, and fastener and thread repair.
Module 09 - Repair Strategies and Service Information	Diagnostic processes and investigative approaches, along with understanding and reading date code information.

The Vehicle Chassis Systems

Module	Description
Module 10A - Air Systems and S-Cam Drum Brakes	This module covers the first part of the chassis systems learning plan intended for service technicians. Topics include air cam and drum brakes.
Module 10B - Air Disc Brake	This module covers the second part of the chassis systems learning plan intended for service technicians. Topic includes air disc brakes.

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Module	Description
Module 10C - Wheel End Hubs and Bearings	This module covers the third part of the chassis systems learning plan intended for service technicians. Topics include wheel end hubs and bearings.
Module 10D - Hydraulic Brakes	This module covers the fourth part of the chassis systems learning plan intended for service technicians. Topics include hydraulic brakes.
Module 10E - Suspension Systems	This module covers the fifth part of the chassis systems learning plan intended for service technicians. Topics include suspension systems.
Module 10F - Steering Systems	This module covers the sixth part of the chassis systems learning plan intended for service technicians. Topics include steering systems.
Module 10G - Air Systems	This module covers the seventh part of the chassis systems learning plan intended for service technicians. Topics include a general overview of air systems.

The Vehicle Wheel and Tire

Module	Description
Module 11 - Wheel and Tire Basics	This module covers the first part of the chassis systems learning plan intended for service technicians. Topics include air cam and drum brakes.

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The Vehicle Electrical Systems

Module	Description
Module 12A - Basic Electrical Systems	This module covers a general overview of basic electrical systems components intended for service technicians.
Module 12B - Fuel Injection and Engine Performance	This module covers the third part of basic powertrain systems intended for service technicians. Topics include fuel injection and engine performance.

The Vehicle Powertrain Systems

Module	Description
Module 13A - Engine Mechanical	This module covers the first part of basic powertrain systems intended for service technicians. Topics include an overview of engine mechanical components.
Module 13B - Exhaust, Turbos, and Aftertreatment	This module covers the second part of basic powertrain systems intended for service technicians. Topics include exhaust, turbos, and aftertreatment.
Module 13C - Manual Transmissions and Clutches	This module covers the fourth part of basic powertrain systems intended for service technicians. Topics include manual transmissions and clutches.
Module 13D - Automatic Transmissions and AMT	This module covers the fifth part of basic powertrain systems intended for service technicians. Topics include automatic transmissions and AMT.
Module 13E - Driveline Systems	This module covers an overview of fasteners intended for service technicians.
Module 13F - Axles	This module covers basic repair strategies intended for service technicians. Topics include diagnostics and service information.

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The Electric Vehicle

Module	Description
Module 14A - Safety Systems: ABS, ESC and ADAS	This module covers a general overview of electronic control systems in electric vehicles intended for service technicians. Topics include ABS, ESC and ADAS.
Module 14B - Intro to Electric Vehicles	This module covers a general overview of electric vehicles for service technicians.

The Vehicle Other Systems

Module	Description
Module 15A - Trailer and Body Systems	This module covers a general overview of trailer and body systems for service technicians.
Module 15B - HVAC Systems	This module covers the basics of HVAC for service technicians.
Module 15C - Extra: Welding and Hydraulics	This module covers the basics of welding and hydraulics for service technicians.

Total Time: 116 Hrs.

Total Courses: 261

Skilled technicians don't just fix trucks — they protect uptime.