TRANSPORTATION SERVICES -CORE (TSTC)

TSTC 100 Introduction to Transportation Services 2 Credits
Introduction to procedures, tool usage, basic shop safety, basic employment skills, job documentation and equipment usage.

TSTC 101 Vehicle Service and Inspection 3 Credits
Introduction to vehicle systems, maintenance, inspection, internal combustion engine theory, systems diagnosis, fundamentals and evaluation. Service of the vehicle systems with emphasis on inspection and observation.

TSTC 130 Electrical I 2 Credits
Introduction to electrical theory, circuits, components, testing and use of test equipment.

TSTC 160 Electrical II 2 Credits
Study of electronic control systems applied to today's modern vehicles. Emphasis on sensors, actuators, and diagnostic techniques.

TSTC 170 Chassis Fundamentals 2 Credits
Introduction to front and rear suspension systems, including: steering front end geometry, maintenance, light repair and component nomenclature.

TSTC 171 Brakes I 2 Credits
Theory, components, general repair practices and diagnosis of current brake systems.