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.
Terms Typically Offered: Fall, Spring.
Fees: Yes.

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.
Terms Typically Offered: Fall, Spring.
Fees: Yes.

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

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

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

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