Get your future into high gear!

Part of a four-course Transportation cluster, this module focuses on the theory and operation of automobile systems. Students will become familiar with diagnostic and repair equipment and may also be eligible to participate in an industry-related work program. Give your skills the lift they need to get started in auto service now.
COURSE TITLE: MODERN AUTOMOTIVE TECHNOLOGY

COURSE DESCRIPTION
In this course, students will gain an understanding of the principles and operation of the internal combustion engine, automotive electrical systems, and computerized engine controls. Students will be introduced to the repair of automotive electrical components, interpretation of schematic diagrams, and the use of a DMM meter and code scanner to diagnose engine control problems. Students will also explore various drive trains.

COURSE CONTENT
- Auto Shop Safety
- Engine Operation Theory
- Drive Line Servicing
- Engine Cooling
- Automotive Systems
- Fuel System
- Ignition System
- Valve System
- Lubrication System
- Exhaust System

CAREER OPPORTUNITIES
- Service Station Attendant
- Automotive Prep Person
- Auto Lubrication Technician
- Technician's Assistant
- Brake Technician's Assistant
- Entry-Level Auto Technician
- Quality Control Team Member
- Tire Shop Technician

LOCATION
Islip Career Center

Quote from program graduate –
"I would say it is a good school. The teacher taught me so many things I never knew."

Transportation, Distribution and Logistics/SCE
- Auto Body Repair and Refinishing (ICC)
- Auto Front End and Brakes (ICC)
- Modern Automotive Technology (ICC)
- Vehicle Maintenance and Light Repair (ICC)
- Transportation Service (WTC)