



Davis Applied Technology College

A UCAT Campus
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Automotive Technology

Catalog Year: 2012

Program Objectives

- Use service manuals and computer data systems to find and identify vehicle systems and repairs.
- Perform basic repairs in flat rate time.
- Demonstrate the use of a torque wrench and the tightening of fasteners.
- Demonstrate proper use of automotive measuring tools to accurately measure automotive system components.
- Perform basic preventive maintenance in manufacturer specified time.
- Describe how general vehicle systems work, including but not limited to:
 - Transmissions—both automatic and manual
 - Engine mechanical
 - Brake systems
 - Basic electrical systems
 - Heating and air conditioning systems
 - Emission controls
 - Drive trains systems
 - Electronic engine controls
 - Tires and suspension systems
- Demonstrate proper diagnostic techniques and be able to diagnose new vehicle systems
- Describe techniques to adapt to new vehicle systems