

AUTOMOTIVE TECHNOLOGY - 3 Credits

PREREQUISITES:

Math 1
Excellent attendance record
Good health
Conceptual Physics Recommended

Good motor skills
A small assortment of hand tools and tool box
Preference will be given to students holding valid driver's license

DESCRIPTION:

Automotive Technology is designed to offer training in hands on skills combined with the technical knowledge to prepare students for entry-level employment as automotive technicians and/or for entry to numerous technical colleges. This course is 50% classroom studies and 50% lab activities. The Automotive Technician program is designed to provide you with a thorough understanding of the materials, methods and techniques used to repair a malfunctioning vehicle with extensive studies of electricity/electronics and computer systems found on current year cars. The student will learn to use Scan Tools, Digital Multi-Meters (DMM's), Oscilloscope's and many more diagnostic tools. The student will learn to use manufacturer's procedures necessary for the proper repair and maintenance of a variety of vehicles through classroom study, audiovisual presentations and actual "hands on" performance tasks. All programs of study will include safety instruction, right-to-know worker protection laws, and current waste management laws concerning the automotive industry.

The National Institute for Automotive Service Excellence (ASE) is recognized as the standard of achievement for automotive service technicians. This certification is not provided as part of the student's training at the James Rumsey Technical Institute but does help prepare the student for voluntary examination at the student's personal expense.

Offered 2007-2008

AUTOMOTIVE TECHNOLOGY: 163109 (3 credits)

AUTO-BRAKES - Brakes (180 hours, 1st semester) 162519
AUTO-SUSPN - Suspension & Steering Diagnosis (180 hours, 2nd semester) 163729
AUTO-ENG PRF – Engine Performance (180 hours, 1st semester and 2nd semester) 162919 and 162929

Offered 2008-2009

AUTOMOTIVE TECHNOLOGY: 162109 (3 credits)

AUTO-FNDMTL- Automotive Fundamentals (180 hours, 1st semester) 163119
AUTO-BASIC – Basic Engines (180 hours, 2nd semester) 162329
AUTO-ELEC SY- Electrical/Electronic Systems (180 hours, 1st semester & 2nd semester) 162719 and 162729