

Automotive Technology

This National Automotive Technicians Education Foundation (NATEF) certified program features a curriculum that is recognized throughout the industry. The curriculum is designed to equip students with basic skills for entry-level employment and for continuing education. This program also provides opportunities for articulation with post-secondary schools. The instructor is certified by the National Institute for Automotive Service Excellence (ASE), which is the same certification required for post-secondary occupations with emphasis placed on a career as an automotive technician. Diagnostic and repair skills, safety and employment skills are taught in keeping with the automotive technology competencies required by today's automotive industry. A course of study that includes two-years of formal mathematics (algebra and geometry), and one year of Applied Physics is recommended.

At the end of the two-year program, students will receive a Certificate of Completion of a NATEF certified program and may choose to enter the work arena or to continue their automotive studies at the post-secondary level.

CAR CARE FOR EVERYONE **Grades 9, 10, 11, 12**
Course No. 905, 1/4 Year **.50 Cr**

This new class from the Automotive Technology Program is intended for any student, male and female, who owns or drives a car. Geared toward the average consumer, this course will teach you everything you need to know about your car in order to keep it in tiptop shape and performance level. In nine weeks you will learn the ins and outs of car ownership from how to purchase a car to dealing with roadside emergencies and everything in between. Never again feel uninformed! Change your own oil, check your own fluids, and change your own tires. Learn it all from the experts!

AUTOMOTIVE PRINCIPLES **Grades 9, 10, 11, 12**
Course No. 906, 1/4 Year **.50 Cr**

A hands-on introduction is provided in the fundamental principles of automotive systems. Hydraulic, pneumatic, electric, and mechanical systems will be explored as they relate to automotive operations. Students will learn what service and maintenance a modern vehicle requires through related theory and laboratory experience with emphasis on shop equipment, safety and tools. This course is recommended prior to taking Automotive Technology I.



AUTOMOTIVE TECHNOLOGY I **Grades 10*, 11, 12**
Course No. 907, All Year **2.00 Cr**

In the first year of our nationally accredited NATEF® program, students will engage in a hands-on approach to learn how today's vehicles operate and the knowledge it takes to repair them. Students will have full access to our outstanding facility and can expect to gain a well-rounded knowledge base for use in the future. Covered areas of MLR (Maintenance and Light Repair) include: Engine Repair, Automatic Transmission and Transaxles, Manual Drive Train and Axles, Suspension and Steering Systems, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning, and Engine Performance.



AUTOMOTIVE TECHNOLOGY II **Grades 11*, 12**
Course No. 908, All Year **2.00 Cr**

Prerequisite: Automotive Technology I

In the second year of this NATEF® certified program, students will continue to reinforce the knowledge and skills learned in Automotive Technology I. This course offers a more in-depth approach to the eight areas of MLR (Maintenance and Light Repair) and presents students with curriculum related tasks and working conditions similar to those found in the automotive industry.

***Incoming 10th graders may apply for admission. See Guidance Counselor for application.**