

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNOLOGY - INTRODUCTORY (5 credits)

This course introduces the student to the basic construction and operation of the modern automobile and its related systems. Emphasis is placed on providing a fundamental understanding and appreciation of basic system servicing and operation while following proper safety methods and procedures. In the shop the students will learn safety skills, tool and equipment usage, measurement skills, basic vehicle servicing and car care that will provide a “hands on” experience that reinforces the understanding of classroom theory. The student’s time is divided 60/40 between the shop and classroom. Students must provide their own coveralls.

AUTOMOTIVE TECHNOLOGY – INTERMEDIATE/ADVANCED

(Streams A & B - 5 credits each)

The automotive technology course will help students use their service and repair knowledge gained during the introductory level. The course is divided into two streams that can be taken individually. For students wanting a minimum of five Grade 12 CTS credits, both streams must be taken.

STREAM “A” - ENGINE DIAGNOSIS - INTERMEDIATE/ADVANCED

Examines the workings of the modern automobile’s fuel injection and computerized ignition systems and the services that help to keep these important systems operating.

STREAM “B” - ELECTRICAL DIAGNOSIS – INTERMEDIATE/ADVANCED

Examines the modern automobile’s major electrical components and the computer controlled braking and suspension systems found in most vehicles built today.

STREAM “C” - AUTOMOTIVE SERVICE TECHNICIAN APPRENTICESHIP

(GRADE 11/12)

This course requires 80% in Grade 10, an application form and an interview. Automotive service technicians perform preventative maintenance, diagnose faulty operations, and repair automotive vehicles and light trucks in Body - Chassis, Electrical, Steering, Suspension and Front End Alignment as well as basic welding skills. Students will complete 15 credits over 3

semesters in order to prepare themselves for the first period Apprenticeship theory and practical examinations. When complete, this stream will lead to accreditation in ASA as a first period apprentice with advanced standing. To be successful in this stream, students must be very motivated, independent workers with the intent of becoming a mechanic as a career choice.

AUTO MECHANICS – KNOWLEDGE & EMPLOYABILITY COURSE

(by consent of Guidance)

In this course the student learns the basics of automobile mechanics, safety and equipment used for servicing vehicles.