

Basic Service 20S

Credit Value: 1.0

Overview:

The Power Mechanics program at Minnedosa Collegiate consists of 12 credits:

- 1 credit at the Grade 9 level
- 2 credits at the Grade 10 level
- 6 credits at the Grade 11 level
- 2 credits at the Grade 12 level

There are no pre-requisites at the Grade 9 level. Students wishing to enroll in a full credit program at the Grade 11 and Grade 12 levels will require at least 2 credits at the Grade 9 and Grade 10 levels as a pre-requisite. Students completing a full credit Power Mechanics program will be eligible to graduate with a Vocational high school diploma. In Grade 11 and 12 the completion of the academic core courses (ELA, Math, PE) in the first semester of the school year is also a pre-requisite.

Pre-requisite: Intro to Power Mechanics 10S (*recommended*)

Course Description:

Students in this course will be introduced to the operating principles and service procedures necessary in order to maintain motor vehicles in good operating condition. Shop activities will center around scheduled vehicle maintenance and service requirements and the diagnosis and repair of basic vehicle operating systems. Students will also learn how to trouble-shoot and perform basic repairs on vehicle lubrication, cooling and chassis electrical systems. Studies in the classroom will focus on the purpose, types and uses of automotive motor oils, lubricants, engine oiling and filtering systems, as well as the working principles of engine cooling systems. Safe work practices and shop organization will be stressed throughout the program.