

# Drive Trains 30S

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: 2 credits from the Grade 9 & Grade 10

## Course Description:

This course will cover the function and operation of the basic components that transmit engine power to the driving wheels. Students will learn about the operation, diagnosis, replacement and service procedures on front and rear wheel drive manual transmissions. Students will become familiar with drive shaft service on rear wheel drive vehicles and drive axle service procedures on front wheel drive vehicles. Operation and servicing of differential assemblies will also be covered in this section.