

Manufacturing Technology: Mechanical Engineering, Grade 11 – University/College Preparation TMM 3M0

This course focuses on design principles and advanced manufacturing processes. Students will solve problems and make critical decisions necessary to design products and develop efficient production systems and processes. They will also study the broad range of career opportunities available in the Engineering sector and their educational requirements, and will research the scope of the Engineering industry. This unique program will provide a solid base for those students planning to enroll in various Engineering programs at university.

- Apply the design process to develop solutions, products, processes, or services in response to challenges or problems in manufacturing technology;
- Identify appropriate materials and processes to produce products to meet human needs and wants;
Demonstrate the exemplary practices that are essential to safe work environments and practices;
- Describe the career opportunities in manufacturing engineering. Use current technology and production skills in the development of a process or a product;
- Use mathematical and language skills effectively and apply technological systems and scientific principles to design material processing and management systems.

Prerequisite: None