

Manufacturing Technology: Robotics and Control Systems, Grade 11 – University/College Preparation

TMR 3M0

Robotic technology is used in manufacturing to meet human needs and wants. This course provides students with opportunities to acquire the knowledge and skills needed to understand, select, use and manage robotic systems. Students will understand the role of robotic technology in our economy; it's relationship to other economic sectors; and the effects on society and the environment.

Students will:

- have a strong understanding of the design process
- Understand robotic; structure, design, mechanics and control systems.
- Apply project management skills
- Recognize post-secondary careers related to robotics
- Design, build, program and compete with a VEX Robot at various competitions

Prerequisite: None