

Burlington Central High School
Program Spotlight:
Specialist High Skills Major: Manufacturing

In Ontario, Manufacturing still accounts for the greatest number of jobs due to this wide variety of both consumer and industrial goods, and is currently undergoing fundamental change to remain competitive in a global economy. Automobiles, wood products, petroleum and coal products, iron and steel mills, primary metals and fabricated metal products, electricity, plastics and rubber products, printing, biotechnology, textiles, clothing and leather products are all aspects of the Manufacturing sector.

Program At-a-Glance:

The Manufacturing program is a bundle of 8-10 credits, depending on a student's pathway. Courses are completed in grades 11 & 12 and include:

- 4 "major" credits in Manufacturing (2 in grade 11 + 2 in grade 12)
- 1 senior English credit in either Grade 11 or Grade 12, depending on a student's pathway
- 1 credit in Grade 11 or 12 Math, depending on a student's pathway
- 2 coop credits in a related occupation placement to experience life in the Manufacturing sector

Additional Opportunities and Experiences:

Students who enrol in the Specialist High Skills Major Manufacturing program have special opportunities to gain related experience and enhance their educational experience through:

- **Certifications and Awareness Training:** Students will complete 3 mandatory certifications in First Aid, CPR and WHMIS (Workplace Hazardous Materials Information System) Training. A minimum of 3 additional sector-recognized certifications will be completed that relate to the Manufacturing sector, such as fall arrest training, lockout/tagout training, CAD/CAM certification and confined space training.
- **Experiential Learning Opportunities,** such as job-shadowing industry professionals and gaining workplace experience in the Manufacturing sector through cooperative education
- **Reach Ahead Experiences** which provide opportunities to explore post-secondary education in the Manufacturing sector and assist in the planning and development of career pathways in apprenticeship, college, university and the workplace.
- **Robotics team participation:** the BCHS Trojan Robotics program is part of FIRST Robotics; a worldwide event. The team, which is made up of many SHSM Manufacturing students, use their skills to design, prototype and build a competitive machine and then attend both local and international tournaments. It is an excellent opportunity to gain real world experience and skills, all while having fun.

Next Steps for Interested Students:

- Check out additional program information at www.schooltocareer.ca
- Connect with Mr. Arnold, SHSM Manufacturing Program Lead, to ask questions and get more information.
- See Ms. Robbins in Student Services or Mr. Arnold to get registered on OnSORTS and to discuss planning your course pathway and next steps to enrol in the program.