



# Manufacturing

## Program Overview

The Manufacturing Specialist High Skills Major allows students to focus their high school learning on a specific sector, in this case Manufacturing, while meeting the requirements for secondary graduation.

Students learn sector-specific skills and knowledge in a hands-on, career-related learning environment with others who have the same goals and career expectations.

All pathways – workplace, apprenticeship, college and university are included in this program.

Students who participate in the Manufacturing – Specialist High Skills Major will customize their secondary education to suit their interests and talents while meeting graduation requirements.

Students who successfully complete all elements of the program will receive the Specialist High Skills Major designation on their Ontario Secondary School diploma.



For more information  
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## Sir Winston Churchill Collegiate & Vocational Institute Manufacturing

Students who are interested in a career in the Manufacturing sector (metal worker, welder, millwright, machinist, engineer, etc.) will:

Achieve a 'bundle' of Grade 11 and Grade 12 credits for a work, apprenticeship, college or university pathway (flexible)

### 4 Manufacturing Credits

1 English Credit ( 2 Credits for Workplace )

1 Math Credit

1 Science (excepting the Workplace pathway) or an additional Cooperative Education Credit

2 Cooperative Education Credits (Manufacturing Sector-Specific)

Achieve up to 7 sector-recognized certifications and training

- CPR
- Standard First Aid
- Health & Safety
- WHMIS
- Optional (fall protection, lockout tagging, confined space entry, CWB, etc.)

Gain experiential learning in the student's post secondary destination/career choice within the Manufacturing sector.

Develop essential skills and work habits required in the transportation sector, with documentation in the Ontario Skills Passport.



Students will select a 'bundle' of required credits ●. This table shows only the Manufacturing- Specialist High Skills Major courses. These courses ● must be taken at Churchill to fulfill the requirements of the SHSM.

**Manufacturing - Specialist High Skills Major** Grade 11 TMI3CS or 3ES  
 Grade 12 TMI4CS or 4ES

	Apprenticeship		College		University		Workplace	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Manufacturing *	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
English		●		●		●	●	●
Mathematics		●		●		●		●
Science **		●		●		●		
Cooperative Education	● ●		● ●		● ●		● ●	

\* A minimum of one Grade 11 and one Grade 12 credit.

\*\* An additional Cooperative Education Credit may be substituted for the Science Credit

**Application & Scheduling:  
 Student Services**