



PATHWAY	APPRENTICESHIPS		COLLEGE**		UNIVERSITY		WORKPLACE	
CAREER OPTIONS (There are many more!)	Electrician, Millwright, Mould Maker, Precision Machinist, Tool & Die Maker, Welder		Design & Drafting, Electronics & Engineering, Manufacturing Technologists		Electrical, Industrial, Mechanical, Chemical & Computer Engineers		Inventory Clerk, Machine Operator, Motor Vehicle Assembler, Foundry Worker & Solderer	
GRADE	11	12	11	12	11	12	11	12
MAJOR COURSES Choose 4 Majors (minimum one from each grade. May also include 3 rd co-op credit) Consider Dual Credits too: SHSM ELIGIBLE DUAL CREDIT COURSES YRDSB Dual Credit Site	TDM3M TWJ3E TMJ3E TMJ3M TCJ3E ICS3C TCJ3C TDA3M TDJ3M TTJ3C TTJ3O TMW3E	TDM4M TWJ4E TMJ4C TMJ4E TCJ4C TCJ4E SCH4C SPH4C ICS4C SPH4C ICS4C TCJ4C TDA4M TDJ4M TTJ4C TTJ4E TMW4E *check dual credit list*	TGJ3M TMJ3C TMJ3M TDM3M TDJ3M TCJ3C ICS3C TDA3M TDJ3M TTJ3C	SPH4C SCH4C TMJ4C TMJ4C TDJ4M TDM4M TCJ4C ICS4C TCJ4C TDA4M TTJ4C *check dual credit list*	TDM3M TDJ3M SPH3U SCH3U TMJ3M ICS3U TDA3M TDJ3M TMJ3M	TDM4M SPH4U SCH4U TMJ4M ICS4U TDJ4M TDA4M TDJ4M	TWJ3E TMJ3E TCJ3E TTJ3O TME3E	TWJ4E TMJ4E TCJ4E TTJ4E TMW4E
ENGLISH One required with optional CLA –2 for Workplace Destination	NBE3C NBE3E	ENG4C ENG4E	NBE3C1	ENG4C	NBE3U1	ENG4U OLC4O	NBE3E	ENG4E OLC4O
MATH One required with optional CLA	MBF3C MCF3M	MAP4C MCT4C MEL4E	MBF3C MCF3M	MAP4C MCT4C	MCF3M MCR3U	MDM4U MCV4U MHF4U	MEL3E	MEL4E
CO-OP Summer coop also an option for SHSM students	2 (minimum)		2 (minimum)		2 (minimum)		2 (minimum)	
SCIENCE or Additional Co-op (GR 12 MATH FOR WORKPLACE DESTINATION) One required with optional CLA	SVN3E SBI3C	SCH4C SPH4C	SBI3C ICS3C BDI3C BAF3M	SCH4C SPH4C ICS4C	SCH3U SPH3U SBI3U ICS3U BAF3M	SPH4U SCH4U SES4U ICS4U	SVN3E	OLC4O GLE4O/GLS4O MEL4E

***CLA: Contextualized Learning Activity** – SHSM students, with the support of the subject teachers, will prepare assignments integrating Manufacturing into the course curriculum.

****Consider Accelerated OYAP for Automotive Service Technician** – Speak to the Co-op Department and pick up an application from room 330

** **Where C/M Major courses are not offered, students should take E or M courses. Eg. If you want to take TMJ3E and you're a U student, it will still count as a major credit.**

In addition your need to complete the following:

- **Sector Partner Experience** –Work with an Industry/Sector Partner, using the same skills and tasks used in real work situations. SPE includes one of the following options: Innovation Creativity and Entrepreneurship (ICE) training (solving a real challenge they're trying to address) , sector-delivered contextualized coding and sector-delivered mathematical literacy. You will be notified via the SHSM website,GAPPS email or REMIND of upcoming events. Be sure to get your paperwork in!
- **Reach Ahead Experience**—opportunity to explore /take the next steps along your chosen pathway. Helps you make informed choices about future career goals. Examples include visiting an approved apprenticeship delivery agent (eg. trade union or college), interviewing a college student in a Manufacturing related program, observing a university engineering class, interviewing an employee in the sector, college visits to explore Manufacturing related programs, Dual Credit or Accelerated OYAP.
- **Experiential Learning and career exploration**-- Planned learning **experiences** that take place outside the traditional classroom and focus on a specific occupation. For example, one on one observation of a co-op student, day long job shadow of skilled tradesperson in manufacturing (outside of co-op placement), One or two week work experience with an industry association or professional (outside of your co-op), a tour of a range of manufacturing enterprises, participation in a local, provincial or national skills competition, attendance at a manufacturing trade show or job fair, attendance at demos and hands on activities presented by equipment vendors.
- **Certifications:**

THREE (3) Compulsory				
CPR level C with AED		WHMIS		Standard First Aid
THREE (3) Electives from the list below				
basic electrical safety	Basic Safety Orientation (BSO Plus	Canadian Welding Bureau (CWB) – flat	computer-aided design and computer-aided manufacturing (CAD/CAM)	confined space awareness
customer service	elevated work platforms	fall protection	fire safety and fire extinguisher use	handling dangerous substances
health and safety – basic	hoisting and rigging	Infection control	leadership skills	Lean Manufacturing
lockout/tagging	personal protective equipment – manufacturing	portfolio development	project management	propane safety
safe lifting	scaffold safety	sector-specific vehicle operation and safety	sector-specific software 1	specialized skills training program/competition (e.g., Skills Canada provincial level)
transportation of dangerous goods	Working at Heights	Advanced Training in a technique	advanced training in a technology	anti-oppression and allyship
first aid /CPR/AED awareness				

Certifications that are highlighted in yellow will be completed as part of COOP

Application: <https://bit.ly/YRDSBSHSMapp>