



Construction SHSM – Huron Heights Secondary School

PATHWAY	APPRENTICESHIPS		COLLEGE***		UNIVERSITY		WORKPLACE	
CAREER OPTIONS (There are many more!)	Carpenter, Electrician, Plumber, Heating & Air Conditioning Contractor, Brick & Stone Mason, Painter and Decorator		Construction Manager, Interior Designer, Home Building Inspector, Architectural Design Technologist, Home Inspector		Architect, Mechanical Engineer, Civil Engineer, Electrical Engineer		Concrete Finisher, Demolition Worker, Carpenter Helper, Construction Trades Helper	
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	TWJ3E TMJ3E3&4 TCJ3C TCJ3E TMJ3C TTJ3C TTJ3O TMW3E	TMJ4C TMJ4E TWJ4E TCJ4C TCJ4E TTJ4C TMW4E *check dual credit list*	TDJ3M TDA3M TDV3M TMJ3C TMJ3M TCJ3C1 TTJ3C 2 nd credit Manufacturing or Construction	AVI4M CGW4C TDV4M TCJ4C TDJ4M TDA4M TMJ4C TMJ4M TTJ4C SPH4C *check dual credit list*	TDJ3M TDA3M SPH3U TDV3M TDM3M TMJ3M	AVI4M CGW4U SPH4U TDJ4M TDV4M TDA4M TMJ4M	TCJ3E TMJ3E TWJ3E TTJ3O TMW3E	TMJ4E TCJ4E TWJ4E TTJ4E TMW4E
ENGLISH One required with optional CLA	NBE3C NBE3E	ENG4C ENG4E	NBE3C	ENG4C	NBE3U MCF3M	ENG4U OLC4O	NBE3E MEL3E	ENG4E OLC4O MEL4E
MATH Two required with optional CLA	MEL3E MBF3C MCF3M	MEL4E MAP4C MCT4C	MCF3M MBF3C	MAP4C MCT4C	MCR3U MCF3M	MHF4U MCV4U MDM4U	MEL3E	MEL4E
CO-OP** Summer coop also an option for SHSM students	2 (minimum)		2 (minimum)		2 (minimum)		2 (minimum)	
SCIENCE, BUSINESS STUDIES or ADDITIONAL CO-OP Minimum 1 required with optional CLA	SVN3E BDI3C BTA3O BMX3E BMI3C	SCH4C SPH4C	BAF3M BDI3C BMI3C ICS3C ICS3U SBI3C	SPH4C SCH4C BOH4M ICS4C BBB4M	SBI3U SCH3U SPH3U BAF3M ICS3U	SBI4U SCH4U SPH4U SES4U BOH4M BBB4M ICS4U	SVN3E BTA3O BMX3E	OLC4O GLE4O/GLS4O MEL4E

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

****Consider Accelerated OYAP for Electrician (TNA4Y), Plumber (TSB4Y), General Carpenter and Refrigeration and Air Conditioning Systems Mechanic (TZB4Y) – 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.**

NB: EOP Students can earn one math, one tech and two co-op credits towards their SHSM requirements. Please note that Electrician placements are very difficult to find and are not guaranteed.

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 Construction related program, observing a university engineering class, interviewing an employee in the sector, college visits to explore Construction related programs, Dual Credit or Accelerated OYAP.
- **Experiential Learning and career exploration**-- Planned learning **experiences** that take place outside the traditional classroom . For example, one on one observation of a co-op student, day long job shadow of skilled tradesperson (outside of co-op placement), One or two week work experience with a member in industry, volunteering for special building projects (eg Habitat for Humanity), participation in a skills competition, a tour of a municipal planning department, attendance at a construction trade show or job fair.
- **Certifications:**

FIVE (5) COMPULSORY			
CPR level C with AED and Standard First Aid (2 Certifications)	Working at Heights	WHMIS.	health and safety - basic
TWO (2) Electives from the list below			
basic electrical safety	Canadian Welding Bureau (CWB) – flat	chainsaw safety	computer-aided design and computer-aided manufacturing (CAD/CAM)
confined space awareness	customer service	elevated work platforms	energy efficiency training (e.g., Energy Star, LEED)
fall protection	fire safety and fire extinguisher use	hoisting and rigging	sector specific software 1
insulated concrete forming	land surveying basics	leadership skills	lockout/tagging
ozone-depletion prevention	portfolio development	powder-actuated tools	project management
propane in construction	scaffold safety	sector-specific vehicle operation and safety (eg forklift)	specialized skills training program/competition (e.g., Skills Canada provincial level, WoodLI
suspended access equipment	traffic control	trenching safety	first aid/CPR/AED awareness
advanced training in a technique	advanced training in a technology	anti-oppression and allyship training	infection control

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

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

