

Centre your learning towards a career that matches your skills and interests while you earn your high school diploma! Students who successfully complete the SHSM program receive an Ontario Secondary School Diploma with an embossed red seal, an SHSM Record documenting his/her achievement, and a formal recognition on his/her Ontario Student Transcript. Speak with your guidance counsellor about SHSM and other benefits!

## 1. CREDITS AND PATHWAYS

CREDITS		Apprenticeship Training		College		University		Workplace		
		Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12	
Major Credit	s ^									
<ul> <li>One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)</li> </ul>		4* Including at least one Gr. 11 and one Gr. 12 credit		<b>4*</b> Including at least one Gr. 11 and one Gr. 12 credit		<b>4*</b> Including at least one Gr. 11 and one Gr. 12 credit		4* Including at least one Gr. 11 and one Gr. 12 credit		
□Includes content delivered	English	1			1	:	1		<b>2</b> One credit must be in Gr. 12	
in the	Math	1		1		1			1	
in the sector's context (Except for Workplace pathway)	Science OLC4O, MEL3E & MEL4E In addition *see List of Approved SHSM courses	1	<u>.</u>		1		1		1	
Cooperative Education		2	2		2		2		2	
Total		g	)		9		9		9	

**Grade 12 Major Credits** 

\* Including at least one Grade 11 and one Grade 12 credit

\* A co-op credit related to the sector may be substituted for one of these four MAJOR credits

-Major credits may also include Mohawk Bridge/OYAP Dual Credits

# The above credits must be selected from the following lists:

#### Grade 11 Major Credits

HNC3C	College Understanding Fashion	ICS 4C/4U	College/ University Intro Computer
ICS 3C/3U	College/University Intro to Computer		Programming
	Programming	MCV 4U	University Calculus & Vectors
SCH 3U	University Chemistry	MHF 4U	University Advanced Functions
SPH 3U	University Physics	SCH 4C/4U	College/University Chemistry
TCJ 3C	College Construction Engineering Technology	SPH 4C/4U	College/University Physics
TDJ 3M	College/University Technological Design	TCJ 4C	College Construction Engineering Tech
TEJ 3M	College/University Computer Engineering Tech	TDJ 4M	College/University Tech Design

TMJ 3C/3E College/Workplace Manufacturing

- TTJ 3C College Transportation Technology
- TWJ 3E Workplace Custom Woodworking

## Grade 11 English

ENG 3E	Workplace English
ENG 3C	College English
ENG 3U	University English

### Grade 11 Math

MEL 3E	Workplace Math
MBF 3C	Foundations for College Mathematics
MCF 3M	Functions & Applications
MCR 3U	Functions

## Grade 11 Science

SVN 3E	Workplace Environmental Science
SBI 3C/3U	College/University Biology
SCH 3U	University Chemistry
SPH 3U	University Physics

### Grade 11 Business/Computer Studies

BDI 3C	College Entrepreneurship
ICS3C	College Intro to Computer Programming
ICS3U	University Computer Studies

## **Cooperative Education (2 Credits)**

# 2 Co-op credits in the sector (one additional co-op credit can be substituted for a major credit) Six Sector-Recognized Certifications and/or Training Courses/Programs

Three (3) compulsory					
Cardiopulmonary Resuscitation (CPR) Level C – includes automated external defibrillation (AED)		Standard First Aid		Workplace Hazardous Materials Information System (WHMIS) – generic (i.e., not site-specific) instruction	
Three (3) electives from the list below					
basic electrical safety	Basic Safety Orientation (BSO Plus)		Canadian Welding (CWB) – flat	Bureau	computer-aided design and computer-aided manufacturing (CAD/CAM)
confined space awareness	customer service		elevated work plat	tforms	fall protection
ire safety and fire handling dangerous extinguisher use substances		health and safety	- basic	hoisting and rigging	

TEJ 4M	College/University Computer Engineering
TGJ 4M	College/University Info & Com Tech
TMJ 4C/4E	College/Workplace Manufacturing
TMJ 4M	College/University Manufacturing
TTA 4C	College Transportation Tech Auto Service
TTJ 4C	College Transportation Technology
TWJ 4E	Custom Woodworking

### Grade 12 English

ENG4E	Workplace English
ENG4C	College English
ENG4U	University English
OLC4O	Literacy Course

### Grade 12 Math

MEL 4E	Workplace Math
MCT 4C	Math for College Technology
MAP 4C	Foundations for College Math
MHF 4U	Advanced Functions
MCV 4U	Calculus & Vectors
MDM4U	Data Management

### Grade 12 Science

SPH 4C/4U	College/University Physics
SBI 4U	University Biology
SCH 4C/4U	College/University Chemistry
SNC4E	Workplace Science

#### Grade 12 Business/Computer Studies

ICS4C	College Computer Programming
ICS4U	University Computer Studies

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		