



**SPECIALIST HIGH SKILLS MAJOR
(SHSM)
INFORMATION & COMMUNICATION
TECHNOLOGY
Quick Fact Sheet**



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 Credits • <i>One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)</i>	4*		4*		4*		4*	
Includes content delivered in the sector's context	English	1	1	1	1	1	2**	
	Math	1	1	1	1	1	1	
	The Arts or Business or Science or <i>OLC40, GLS40, MEL3E & MEL4E</i> <i>In addition *see List of Approved SHSM courses</i>	1	1	1	1	1	1	1
Cooperative Education	2		2		2		2	
Total	9		9		9		9	

* a minimum of one Grade 11 and one Grade 12 course

- may include a maximum of one Cooperative Education credit
- Major credits may also include Mohawk Bridge/OYAP Dual Credits

The above credits must be selected from the following lists:

Grade 11 Technological Studies

- AWQ 3O Open Photography
- ICS 3C College Intro to Computer Programming
- ICS 3U University Computer Science
- SPH 3U University Physics
- TCJ 3C College Construction Engineering
- TDJ 3M College/University Technological Design
- TEJ 3M College/University Computer Engineering
- TGJ 3M College/University Info & Communication
- TGJ 3O Open Info & Communication Tech
- TGV 3M College/University Creative Communications
- TMJ 3E Workplace Info & Communication Tech

Grade 12 Technological Studies

- AWQ 4M College/University Photography
- AWR 4M College/University Animation
- ICS 4C/4U College/University Computer Programming
- SPH 4C/4U College/University Physics
- TCJ 4C College Construction Engineering
- TDJ 4M College/University Technological Design
- TEJ 4M College/University Computer Engineering
- TGJ 4M College/University Info & Communication
- TGJ 4O Open Info & Communication Tech
- TMJ 4E Workplace Manufacturing Tech

Grade 11 Arts

ADA 3M/3O	College/University/Open Drama
AMU 3M/3O	College/University/ Open Music
AVI 3M	College/University Visual Arts
AWL 3O	Open Drawing
AWQ 3O	Open Photography

Grade 12 Arts

ADA 4M	College/University Drama
AVI 4M	College/University Visual Arts
AWQ 4M	College/University Photography
AWR 4M	College/University Animation

Grade 11 Business & Computer Studies

ICS 3C	College Introduction to Computer
ICS 3U	University Computer Science
BDI 3C	College Entrepreneurship
BMI 3C	College Marketing: Goods, Services, Events

Grade 12 Business & Computer Studies

ICS 4C	College Computer Programming
ICS 4U	University Computer Programming
BBB 4M	College/University International Business
BDV 4C	Entrepreneurship

Grade 11 Science

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

Grade 12 Science

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

Grade 11 English

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

Grade 12 English

ENG4E	Workplace English
ENG4C	College English
ENG4U	University English
OLC 4O	Open Ontario Literacy Course

Grade 11 Math

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

Grade 12 Math

MEL4E	Workplace Math
MHF4U	University Advanced Functions
MCV4U	University Calculus & Vectors
MDM4U	University Data Management
MAP4C	College Math
MCT4C	College Math for Technology

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			
advanced training in a technique (e.g., website design, coding, digital lighting, search engine optimization)	basic electrical safety	CISCO networking	computer hardware
network cabling	network configuration	photography	recording equipment

*More options are available. See Guidance Counsellor for alternatives.