ICT
INFORMATION & COMMUNICATIONS TECHNOLOGY

What is SHSM?

Specialist High Skills Majors let students focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD). Students complete a bundle of courses and gain valuable work experience through Co-op. SHSM programs lead to all post-secondary pathways – university, college, apprenticeship, and the workplace.

Why consider SHSM – Information & Communications Technology?

This program enables students to:
● Customize their secondary school education to suit their interests and skills
● Complete sector recognized certifications to build their résumé
● Prepare for post-secondary opportunities
● Explore and refine their career goals
● Earn the SHSM Red Seal designation on their OSSD

Required Certifications (3)

CPR-C with AED	Standard First Aid	generic WHMIS

Elective Certifications (choose 3)

advanced training in a technique (web design, coding, etc)	advanced training in a technology	anti-oppression and allyship training	basic electrical safety
CISCO networking	computer hardware	counterfeit detection	customer service
electronics – basic	elevated work platforms	ergonomics	fall protection
health & safety basic	infection control	intellectual property	interfacing equipment
Internet security	ladder safety training	leadership skills	lighting/sound equipment
lockout/tagging	network cabling	network configuration	portfolio development
project management	recording equipment	sector software -1	sector software -2
specialized skills training program / competition	technical support	Working at Heights	

1 Sector-Partnered Experience

ICE training innovation creativity entrepreneurship	contextualized coding	mathematical literacy

Apply at: https://bit.ly/YRDSBSHSMapp or

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A minimum of 1 Reach Ahead event
examples include:
- Campus/Program tours (in person/virtual)
- post-secondary fair (OUF, OCIF, in-school)
- College/University application workshops
- Scholarship seminars

A minimum of 1 Experiential Learning event
examples include:
- Canadian Computing Contest
- cyber expos, hackathons
- job shadow / part time job in sector
- career fair, professional conference
- employee interview

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2 Cooperative Education Credits

example Co-op Placements:

network technician	graphic design	programmer
video technician	television production	diagnostics technician
media technician	network cabling	website designer
retail sales/service	multimedia marketing	software development

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4 ICT Major Credits

Grade 11 (select at least 1):

AWQ3O/3M	TCJ3C
ICS3C/3U	TDJ3M
IDC3OE	TEJ3M
SPH3U	TGV3M

Grade 12 (select at least 1):

AWQ4M	SPH4U
ICS4C/4U	TDJ4M
IDC4U/UE	TEJ4M
IDC4O	TGV4M

Dual credit courses may also apply

Plus: Select at least 1 of…

AVI3M/3O	BAF3M	AVI4M	SPH4C/4U
AWD3M	BMI3C	AWD4M	GLE4O/GLS4O
AWL3O	CLU3M	AWQ4M	MEL4E
AWQ3O/3M	SCH3U	BOH4M	OLC4O
	SPH3U	BBB4M	

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1 Required Math gr 11

MEL3E	MBF3C	MCF3M	MCR3U

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1 Required English

ENG3E/NBE3E	ENG3C/NBE3C	ENG3U/NBE3U

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