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ICT SHSM

Information and Communications Technology

What is a Specialist High Skills Major (SHSM)?

The SHSM is a Ministry-approved and subsidized program offered to students at no cost, that helps students make successful transitions to a variety of post-secondary destinations. It is designed to meet the needs of students who would like to pursue an apprenticeship, college or university studies, or employment in a specific sector. Students who successfully complete all program components will be recognized at graduation, earning a Red Seal on their OSSD which indicates that they have focused their high school experience on a career path, matching their skills and interests.

Components of the SHSM

CONNECTED LEARNING ACTIVITY (CLA): Over the course of Grade 11 and 12, students will complete an assignment that connects various subject areas to the Information & Communications Technology Sectors.

CERTIFICATIONS AWARENESS, TRAINING	EXPERIENTIAL LEARNING	"REACH AHEAD" EXPERIENCES	SECTOR PARTNER CONTEXTUALIZED COMPONENT
3 Compulsory □ CPR Level C □ Standard First Aid □ WHMIS **+ 3 Electives**	Participate in activities that provide opportunities to explore and reflect on a variety of sector-specific experiences and careers (e.g., Job Shadow, participate in Tech Crew or Journalism Club).	Explore and experience the different post-secondary destinations within the sector (e.g., field trip to College or University programs, Rogers TV)	Learn new skills with a community partner: 1 Compulsory: □ Innovation, Creativity & Entrepreneurship (ICE) □ Coding □ Math Literacy

BUNDLE OF COURSES

Major Credits		Other Required Credits				Cooperative Education
You must take **FOUR** of these courses		**Any ONE Gr. 11 or 12 English**	**Any ONE** Gr. 11 or 12 Math	**ONE** of the following:		TWO Co-op credits earned at a placement within the sector. *Additional Co-op credits may count towards as many as THREE major credits, and/or ONE other (no substitutions for English or Math)
ASM3O (Media Arts -Elearn) AWQ3M (Photography) BTA3O (Business Info &Comm) ICS3U (Comp. Science) SPH3U (Physics) TDA3M (Architecture) TDJ3M (Tech. Design) TDV3M (Interior Design) TGG3M (Yearbook) TGI3M (Animation) TGV3M (TV, Video and Movie Production)	AWQ4M (Photography) ICS4U (Comp. Science) SPH4U (Physics) TDA4M (Architecture) TDJ4M (Tech. Design) TDV4M (Interior Design) TGG4M (Yearbook) TGI4M (Animation) TGJ4O (Digital Imagery) TGV4M (TV, Video and Movie Production)	NBE3C NBE3U ENG3E ENG4C ENG4E ENG4U OLC4O	MCF3M MBF3C MEL3E MCR3U MAP4C MCT4C MEL4E MCV4U MDM4U MHF4U	ADA3M (Drama) AMG3M (Guitar) AMU3M (Music) AMV3M (Vocal) ASM3O (Media Arts -Elearn) AVI3M (Visual Art) BAF3M (Accounting) BMI3C (Marketing) BTA3O (Business) CIE3M (Econ) CLU3M (Law) EMS3O (Elearn) SBI3C (Biology) SBI3U (Biology) SCH3U (Chemistry) SPH3U (Physics)	ADA4M (Drama) AMG4M (Guitar) AMU4M (Music) AMV4M (Vocal) AVI4M (Visual Art) BAT4M (Finance) BBB4M (Elearn - Business) BDV4C (Entrepreneurship) BOH4M (Leadership - Elearn) BTA3O(Business - Elearn) CIA4U (Econ) CLN4U (Law) GLE4O (Learning Strats) SBI4U (Biology) SCH4U (Chemistry) SPH4U (Physics)	

Post-Secondary Opportunities

Graduates with a SHSM in this sector will not only finish with an enhanced resume of experiences but they will also be prepared for careers or post-secondary studies in various areas which may include any of the following areas:

- Computer Network Technician
- Information Systems Testing Technicians
- Telecommunications Line & Cable worker
- Cyber Security
- Computer Programmers
- Computer Engineers
- Audio & Video Recording Technicians
- Electrical And Electronics Engineering Technicians
- Film and Video Camera Operators
- Graphic Designers and Illustrators
- Special Effects Compositor
- Artificial Intelligence
- Information Systems Analysts and Consultants
- Animator
- Radio and Television Broadcasting
- Adobe Certified Expert
- Photographer

****Demand for employees in this sector will be great for years to come due to many current employees working in this sector nearing retirement age and an aging population, which will put increased demands on the ICT sector.**

Connection to the Community OR Experiential Learning

The Information Communications Technology SHSM program at Cardinal Carter CHS is unique as it allows students to focus on either Computer Science or Media production. Students will have the opportunity to take part in many field trips and workshops that will offer them exposure to the workplace and provide opportunities for engagement. Some of these opportunities include: Rogers Communications, Cyber Security Training, Photography training, and many more.

Dual Credits

ICT SHSM students are automatically eligible to enrol in dual high school/college credit courses during their co-op placements. These courses are taught on a college campus with other high school students in the class. Choosing this option will provide several benefits:

- ICT-related dual credits are considered a grade 12 SHSM major
- Taking a dual credit at a college campus is also considered a “reach ahead” activity
- Students earn a free post-secondary credit and a high school credit before graduating from high school and gain access to all campus resources for the entire semester.

College Course Title	College	College Course Code
Camera Work 1 & Editing	Centennial College - Progress Campus	AFJ4T
Web Page Design	Centennial College - Progress Campus	IBS4T
Digital Photography & Image Editing	Centennial College - Progress Campus	JGE4T
Growing Up Digital	Centennial College - Progress Campus	JGE4T
Digital Design 1	Seneca College York Campus	AFJ4T
Introduction to Business Applications	Seneca College Markham Campus	IBR4T
Television News	Seneca College York Campus	TGD4T
Design 1 - Composition & Creativity	Seneca College York Campus	AEM4T

For more information, contact your Guidance Counsellor