



INFORMATION & COMMUNICATIONS TECHNOLOGY SHSM

Program Overview:

The Specialist High Skills Major (SHSM) program in Communications and Information Technology (ICT) gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Communications, IT and Design sectors, while still in high school. The ICT SHSM program has a number of required components, designed to give students a “leg-up” to pursue post-secondary opportunities in each of the identified sectors, valuing all four destinations.

Based on the media industry and the use of relevant tools in a project-driven learning environment, students will:

- Create communication and design products that are meaningful to your learning and life experiences
- Use industry specific technology and software to make live video and audio productions in single and multi-camera studio settings
- Explore video/audio recording and editing, broadcast journalism, graphics, photography, animation and architectural/mechanical/interior design, as well as web design and computer engineering/electronics/programming
- Provide opportunities to earn industry-recognized certifications in multiple sectors

Who would be interested in this program?

Students who enrol in the **ICT SHSM** are interested in exploring the areas of Film and Television, Graphic Design, 3D Printing, Architectural/Mechanical/Interior Design, Photography, Animation, Web Design, Computer Engineering/Electronics, Computer Programming and any area of Media Arts.

Students Interested in:

- exploring future career pathways within the Information Technology, Communication and Design industries
- developing industry specific skills and connections
- expand hard and soft skills, to communicate through multiple platforms

The ICT SHSM includes completion of **Contextualized Learning Activities (CLAs)** in compulsory courses such as Math and English, that reinforce and extend the student's learning with a multi-disciplinary approach.

The ICT SHSM also includes mandatory **Sector-Recognized Certifications**, **Safety Awareness Training** and "**Reach Ahead**" experiences, connecting to post-secondary and career opportunities. These certifications and experiential learning opportunities include: College and University Campus visits/lectures from sector-related professionals, leadership training, sound/lighting/audio certifications, Design/3D Printing workshops, WHMIS, First Aid/CPR and related field trips that reinforce the Information Rechnology, Communication and Design Industries.





Course Selections:

Your destination (i.e. **Apprenticeship, Workplace, College, or University**) will affect which courses you may select. A SHSM requires you to take 9 credits (according to your destination pathway).

There are ICT SHSM required courses that you can elect to take during either Grade 11 or Grade 12 and they include TV, Video and Movie Production, Media Arts, Communications Technology, Web Design, and Computer Engineering. As well, you will take a 2 credit Co-Operative Education, associated within the Communications Technology, IT or Design industries and 1 additional credit (Science, Art, Business or Co-op) in order to fulfill the 9 required credits of our ICT SHSM.

ICT SHSM Specific Course Requirements are described as below:
(4 Credits Required)

GRADE 11	
TGV3M	Communications Technology: TV, Video and Movie Production
ASM3M	Media Arts
TGJ3M	Communications Technology
TDV3M	Interior Design
TDA3M	Architectural Design, 3D Design and Mechanical Engineering
ICS3U	Computer Programming (University)
ICS3C	Computer Programming (College)
TEJ3M	Computer Engineering
ASM3O	Media Arts (Open)

GRADE 12 (Some require prerequisites)

TGV4M	Communications Technology: TV, Video and Movie Production
ASM4M	Media Arts
TGJ4M	Communications Technology
TDV4M	Interior Design
TDA4M	Architectural Design, 3D Design and Mechanical Engineering
TGJ4O	Communications Technology: Web Design & Digital Imagery (<i>open</i>)
ICS4U	Computer Science
ICS4C	Computer Programming
TEJ4M	Computer Engineering

Multi-Year Options

Required Co-Operative Education

	2 Credit Co-op
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Upon completion of SHSM, students will receive a special SHSM seal on their Ontario Secondary School Diploma.

For more information, contact Mrs. Ashley at ashleyt@hdsb.ca or Ms Barran at barranb@hdsb.ca

