

COMMUNICATIONS **TECHNOLOGY**



SHSM INFORMATION BROCHURE

MAXWELL HEIGHTS SECONDARY SCHOOL | 2020-2021

WHAT IS A SPECIALIST HIGH SKILLS MAJOR (SHSM)?

A Specialist High Skills Major (SHSM) is a Ministry of Education approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements to graduate from secondary school. It also assists in the transition after graduation into apprenticeship training, college, university, or the workplace. Students who successfully complete all required components of the program receive the SHSM seal on their diploma when they graduate.

The ICT SHSM Program has a number of required components that are intended to provide skills and experience relevant to the post-secondary goals of the enrolled students. These industry-relevant skills and extra training opportunities help students to build their resumes, gain advantages over others entering the same field(s), and make informed decisions about their futures. Students are also able to engage with relevant institutions and community partners while completing the program.

The ICT Communications Technology SHSM at Maxwell Heights is a 2-year program with the credits and required components being completed during Grade 11 and 12. There is no cost to the students to join the SHSM, nor are there any fees for the training provided through the program.

WHAT DOES SHSM INCLUDE?

BUNDLED CREDITS:

Required Credits	Apprenticeship Training Grades 11–12	College Grades 11–12	University Grades 11–12	Workplace Grades 11–12
Major Credits <i>One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>
English including a CLA	1	1	1	1
Mathematics including a CLA	1	1	1	1
The Arts or Business Studies or Science including a CLA <i>May be substituted with 1 cooperative education credit (additional to the 2 required co-op credits)</i>	1	1	1	1
Cooperative Education	2	2	2	2
TOTAL NUMBER OF CREDITS	9	9	9	9

Students enrolled in this SHSM will complete 9 credits related to ICT. These include:

- 4 MAJOR credits in the identified sector in Grade 11 and Grade 12
- 3 ADDITIONAL credits in English, Math, and Art, Business, or Science
- Minimum of 2 Cooperative Education credits linked to the major sector

Credits can be completed during grade 11 and 12. Please use the course planner provided to ensure that all requirements are met when completing course selections each year.

CERTIFICATIONS AND TRAINING:

This SHSM requires students to complete a total of 7 sector-recognized certifications and/or training courses/programs. There are 4 compulsory certifications including CPR, Standard First Aid, WHMIS, and Innovation, Creativity and Entrepreneurship (ICE). In addition to these, students will participate in 3 other training opportunities which may include advanced training in a technique, health and safety, leadership, customer service, equipment maintenance, and a variety of other topics. Participation in these will vary based on availability, student interest, and teacher discretion.

EXPERIENTIAL LEARNING OPPORTUNITIES:

The SHSM experiential learning and career exploration requirement consists of planned learning activities that take place outside the traditional classroom setting. Experiential learning may take a variety of forms such as:

- One-on-one observation of a cooperative education student at a placement in the ICT sector – job twinning
- A day-long observation of an ICT sector worker (e.g., telecommunications technician) – job shadowing
- One- or two-week work experience arranged with a member of an industry association or a professional in the ICT sector (e.g., a computer game developer) – work experience
- Attendance at a sector or trade show, a conference, a symposium, or a job fair
- Participation in a local, provincial, or national contest or competition with a focus on ICT
- A tour of a local television/film studio or network monitoring centre

REACH AHEAD EXPERIENCES:

These experiences enable Grade 11 and 12 students to gain confidence in their ability to be successful, refine skills and work habits, and make informed choices about future careers and next steps. Reach ahead opportunities could include:

- Interviewing an employee in the field of work the SHSM student is considering
- Visiting an approved apprenticeship delivery agent to investigate a program of interest
- Interviewing a college or university student enrolled in a program of interest
- Observing a post-secondary class in a sector-related program
- Attending a conference or workshop held by the sector

CONTEXTUALIZED LEARNING ACTIVITIES:

Supporting credits, such as English, Math, Art, Business, and Science include a lesson and other opportunities for SHSM students to learn in the context of the sector they have chosen.

WHAT TYPES OF POST-SECONDARY OPTIONS ARE THERE IN COMMUNICATIONS TECHNOLOGY?

This list contains some potential options in all 4 pathways. Please note that this is not a definitive list. There are many areas that students can go into after completing the ICT Communications Technology SHSM.

ICT career areas are seeing continuous growth and new opportunities are constantly created as we see changes in technology, media, and the sector as a whole.

COLLEGE

Advertising
Animation
Audio Production, Recording, and Engineering
Communication, Culture and Information Technology
Computer/Digital Animation
Corporate Media Production
Digital Media Arts
Digital Video Production
Film and Television Technician
Game Development
Graphic Design
Graphic Design – Advertising and Package Design
Internet Applications
Internet Graphic Design
Motion Graphics and Visual Effects
Multimedia Design
Photography
Radio Broadcasting
Software Development
Telecommunications Technology
Television Broadcasting

UNIVERSITY

Animation
Digital Media
Drama, Performance, and Theatre Studies
Film Studies
Fine Arts
Graphic Communications Management
Graphic Design
Illustration
Image Arts
Information Technology
Radio and Television Broadcasting
Software Engineering

APPRENTICESHIP TRAINING

ACTRA Performer
Entertainment Industry Power Technician
Film, Television, and Media Technician
Hardware Technician
Information Technology Contact Centre Agent
Network Cabling Specialist
Network Technician

TRAINING FOR THE WORKPLACE

Adobe Certified Expert
Animation and Rendering
Apple Pro Applications Certification
Art and Design Foundation
Computer/Digital Animation
Computer/Graphic Design/Image Arts
Desktop Publishing

If you have any questions or would like more information the ICT: Communications Technology SHSM Program at Maxwell Heights, please see Mrs. Tsigaris



CHOOSE 1 ENGLISH
Grade 11 English Courses

- College English – ENG 3C1
 Workplace English – ENG 3E1
 University English – ENG 3U1

CHOOSE 1 MATH
Grade 11 Math Courses

- College Mathematics – MBF 3C1
 Functions and Applications (College/University) – MCF 3M1
 University Functions – MCR 3U1
 Mathematics for Work and Everyday Life – MEL 3E1

**COMPULSORY
MAJOR CREDITS**
(1 GRADE 11 & 1 GRADE 12)

- Communications Technology – **TGJ 3M1 & TGJ 4M1**
OR
 TV, Video and Movie Production – **TGV 3M1 & TGV 4M1**

**CHOOSE 2
ADDITIONAL
MAJOR CREDITS**

If not taken as the compulsory credits above, Comm Tech credits may also be taken as part of the 2 additional Major credits:

- Communications Technology – TGJ 3M1 / TGJ 4M1
 TV, Video and Movie Production – TGV 3M1 / TGV 4M1

Other options for the additional 2 Major credits include:

- Photography – TGP 3M1
 Yearbook – TGG 3M1 & TGG 4M1
 ICT: The Digital Environment – BTA 3O1
 Intro to Computer Science – ICS 3C1 or ICS 3U1
 E-Learning: Media Studies – EMS 3OE
 Dramatic Arts - Play Production – ADD 3M1
 Technological Design – TDJ 3M1

**CHOOSE 1
FROM THIS LIST OF
OPTIONAL CREDITS****ART:**

- Drama – ADA 3M1
 Visual Arts – AVI 3M1
 Non-Traditional/Alternative Art – AWT 3O1

BUSINESS:

- Marketing – BMI 3C1
 Entrepreneurship – BDI 3C1
 ICT: The Digital Environment – BTX 4C1
 International Business Fundamentals – BBB 4M1
 Business Leadership – BOH 4M1
 E-Learning: Analysing Current Economic Issues – CIA 4UE

SCIENCE:

- College Biology – SBI 3C1
 University Biology – SBI 3U1
 University Chemistry – SCH 3U1
 College Chemistry – SCH 4C1
 University Physics – SPH 3U1
 College Physics – SPH 4C1
 Environmental Science – SVN 3M1

COOPERATIVE EDUCATION
Recommended during Grade 11.
Summer Co-op also an option.

- 2-Credit Co-op – DCO 3O9
 4-Credit Co-op – CWE 4O9