

Specialist High Skills Major Information & Communication Technology 2025-2026

Profile

The Information and Communications Technology (ICT) sector continues to transform our economy and everyday life. The total number of employees in the sector is on the rise, and overall, they are well compensated. Students enrolled in this SHSM will be involved in today's rapid and exciting changes in technology and will contribute to new and emerging media and technologies in the years to come. Timiskaming District Secondary School (TDSS) students enrolled in the Information and Communications Technology (ICT) Specialist High Skills Major will be trained using professional quality equipment to help plan and design projects. Students will also be able to utilize their creative and innovative skills when planning, designing, and creating school-related video/photo advertisements and clothing using a vinyl printer, cutter and laser engraver. The Timiskaming District Secondary School TekZone is a space that facilitates innovation, collaboration, and creativity. It is the home of a coloured vinyl printer, vinyl cutter, iMacs, green screen space, 3D printers, and photography/videography equipment.

Certifications (6)

Compulsory (3):

- CPR and AED
- Standard First Aid
- WHMIS

Electives (3) (more options at Ontario.ca):

- Technical Support
 - Advanced training in a technique
 - Intellectual property
 - Sector-specific software
 - Basic electrical safety
 - Customer service
 - Lighting and sound equipment maintenance
 - Electronics - basic
 - Internet security
 - Project management
 - Specialized Skills Training
 - Computer Hardware
 - Network Cabling
 - Recording Equipment
 - Portfolio Development
 - Adobe
 - Health and Safety – Basic
- Other Opportunities:
- Participation in Skills Ontario Competitions
 - Community Partnerships
 - Robotics

Possible Occupations in the Sector

Workplace	Apprenticeship	College	University
Retail Salesperson Graphic Designer Customer Service Representative Content Creator	Customer Care Agent Network Technician Hardware Technician	Graphic Designer and Illustrator Audio & Video Recording Technician Digital Animator Web Designer & Developer	Animator Radio & Television Broadcaster Computer Engineer Computer Programmer

Additional Information

- SHSMs are for students in all four pathways: Workplace, Apprenticeship, College, and University.
- Major credits may be offered in school, but additional courses are offered through eLearning and booklet courses.
- You can indicate your interest at www.myblueprint.ca or speak with your Guidance Counsellor.
- There are no extra credits required - the SHSM is obtained within the 30 OSSD credits.
- SHSMs are two-year programs and are made up of Grade 11 and 12 courses.
- There are no additional fees for students to participate in a SHSM.



ICT SHSM Pathway (Total of 9 credits)

Please check the Ministry's Master List for more approved courses

Grade 11 Courses

Grade 12 Courses

Major Credits (4 credits)

Students can now substitute 3 additional Cooperative Education credits related to their sector in place of 3 major credits

AMM3M – Music and Computers
 ASM3M – Media Arts
 ASM3O – Media Arts
 AWQ3M – Visual Arts: Photography
 BTA3O – Information and Communication Technology: The Digital Environment
 TDJ3O – Technological Design and the Environment
 TDJ3M – Technological Design
 TGJ3O – Communications Technology: Broadcast and Print Production
 TGJ3M – Communications Technology
 TMJ3M – Manufacturing Technology
 TMJ3C – Manufacturing Technology
 ICS3C – Introduction to Computer Programming
 ICS3U – Computer Science
 SPH3U – Physics
 TCJ3C – Construction Engineering Technology
 IDC3O – Interdisciplinary Studies

AMM4M – Music and Computers
 ASM4E – Media Arts
 ASM4M – Media Arts
 AWQ4M – Visual Arts: Photography
 TGJ4O – Communications Technology
 TGJ4M – Communications Technology
 ICS4C – Computer Programming
 ICS4U – Computer Science
 IDC4O – Interdisciplinary Studies
 IDC4U – Interdisciplinary Studies
 SPH4C – Physics
 SPH4U – Physics
 TDJ4O – Technological Design in the 21st Century
 TDJ4M – Technological Design

English (1 credit)

NBE3C – Understanding Contemporary First Nations, Métis, and Inuit Voices
 NBE3E – Understanding Contemporary First Nations, Métis, and Inuit Voices
 NBE3U – Understanding Contemporary First Nations, Métis, and Inuit Voices

ENG4C – English
 ENG4E – English
 ENG4U – English
 OLC4O – Ontario Secondary School Literacy Course

Math (1 credit)

MBF3C – Foundations for College Math
 MCF3M – Functions and Applications
 MEL3E – Mathematics for Work and Everyday Life
 MCR3U – Functions

MAP4C – Foundations for College Mathematics
 MCT4C – Mathematics for College Technology
 MDM4U – Data Management
 MCV4U – Calculus and Vectors
 MHF4U – Advanced Functions
 MEL4E – Math for Work and Everyday Life

Other (1 credit)

Students can now substitute 1 additional Cooperative Education credit related to their sector in place of 1 other credit

ADA3M – Drama
 AMM3M – Music and Computers
 AMU3M – Music
 ASM3M – Media Arts
 ASM3O – Media Arts
 AVI3O – Visual Arts
 AVI3M – Visual Arts
 AWQ3M – Visual Arts: Photography
 BDI3C – Entrepreneurship: The Venture (PACE)
 BDP3O – Entrepreneurship: The Enterprising Person (PACE)
 BMX3E – Marketing: Retail and Service, Workplace (PACE)
 BTA3O – Information and Communication Technology: The Digital Environment
 CLU3M – Understanding Canadian Law
 MEL3E – Mathematics for Work and Everyday Life
 OLC3O – Ontario Secondary School Literacy Course
 SBI3C – Biology
 SBI3U – Biology
 SCH3U – Chemistry
 SPH3U – Physics
 SVN3E – Environmental Science

ADA4M – Drama
 AVI4E – Visual Arts
 AVI4M – Visual Arts
 AMM4M – Music and Computers
 AMU4M – Music
 AWQ4M – Photography
 CLN4U – Canadian and International Law
 GLE4O – Advanced Learning Strategies: Skills for Success After Secondary School
 GLS4O – Advanced Learning Strategies: Skills for Success After Secondary School
 MEL4E – Math for Work and Everyday Life
 OLC4O – Ontario Secondary School Literacy Course
 SBI4U – Biology
 SCH4C – Chemistry
 SCH4U – Chemistry
 SPH4C – Physics
 SPH4U – Physics

**Cooperative Education: 2 credits sector-related taken in grade 11 OR 12.
 Summer co-op available.**

Specialist High Skills Major I.C.T.

Student Name: _____

Year of graduation: _____

Pathway of interest:

☐ Apprenticeship ☐ College ☐ University ☐ Workplace

Certifications (Mandatory*): ☐ *Standard First Aid ☐ *CPR Training ☐ *WHMIS Training	Date Completed: _____ _____ _____	3 Sector Specific Certifications: ☐ _____ ☐ _____ ☐ _____	Date Completed: _____ _____ _____
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Pathway	Apprenticeship	College	University	Workplace
4 Major Credits: New: Students can now substitute 3 additional Cooperative Education credits related to their sector in place of 3 major credits	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____
	☐ 1 extra sector-related coop credit _____ ☐ 1 extra sector-related coop credit _____ ☐ 1 extra sector-related coop credit _____			
1 English:	☐ _____	☐ _____	☐ _____	☐ _____
1 Math:	☐ _____	☐ _____	☐ _____	☐ _____
1 Other Required Credit: Students can substitute 1 additional Cooperative Education credit related to their sector in place of 1 other credit	☐ _____	☐ _____	☐ _____	☐ _____
	☐ 1 extra sector-related coop credit _____			
2 Sector Related Cooperative Education Credits: ☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____

Minimum 1 Experiential Learning, 1 Reach Ahead Experience & 1 Sector-Partner Experience:

☐ Experiential: _____ Date: _____
☐ Reach Ahead: _____ Date: _____
☐ SPE: _____ Date: _____