

Specialist High Skills Major (SHSM)

Specialist High Skills Major

Student Success is about meeting the individual learning needs of each and every student. Schools are providing students with more opportunities to customize their high school experience and build on their strengths and interests through a variety of new and enhanced learning options. One of those options is the Specialist High Skills Major program.

What is Specialist High Skills Major?

- The SHSM is a Ministry-approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements for the Ontario Secondary School Diploma (OSSD) and assists in their transition from secondary school to apprenticeship training, college, university, or the workplace.
- SHSM enables students to gain sector-specific skills and knowledge in the context of engaging, career-related learning environments and helps them focus on graduation and on pursuing their post-secondary goals.
- Every SHSM must include the following five components, which are outlined in detail in individual guides for each sector.
 1. A bundle of 8-10 Grade 11 and Grade 12 credits that include:
 - a. 4 major credits that provide sector-specific knowledge and skills;
 - b. 2-4 other required credits from the Ontario curriculum in which some expectations are met through activities contextualized to the sector;
 - c. 2 cooperative education credits that provide authentic learning experiences in a workplace setting, enabling students to refine, extend, and practice sector-specific knowledge and skills
 2. Sector-recognized certifications and training courses
 3. Experiential learning and career exploration activities within the sector
 4. "Reach Ahead" experiences connected to the student's selected post-secondary pathway
 5. Sector-Partnered contextualized components

How does a SHSM benefit students?

- It allows students to experience a range of customized learning opportunities in an area that interests them, and helps to engage them in their school program.
- It gives students the opportunity to explore, identify, and refine career goals and make informed decisions related to post-secondary education or training and next steps towards a career.
- It helps student's gain confidence in their ability to succeed, and see the connections between their studies, the world beyond high school, and their future careers.
- The experiential learning opportunities provided in a SHSM enable students to develop essential skills and work habits that are required in the sector, and have their performance of those skills and work habits assessed and documented.
- Through a SHSM, students begin to establish relationships and networks in their chosen field.
- Students who have earned a SHSM can provide evidence of their achievement of the required components (e.g. sector-recognized certifications and training programs) to prospective employers and post-secondary educational or training institutions.

How is successful completion of a SHSM documented?

- Successful completion of a SHSM is indicated on the student's Ontario Secondary School Diploma by a red seal.
- The student receives a SHSM Record that documents his or her achievement of the required components, including sector-related certifications earned and/or training courses completed.
- Successful completion of a SHSM is indicated on the student's Ontario Student Transcript (OST).

Where SHSM programs are being delivered?

- SHSM programs are available in all school boards across the province. Schools offer SHSMs in one or more of the sectors.

How do I find out more?

- Individual guides for each sector, as well as the SHSM Implementation guide, are available at <http://www.edu.gov.on.ca/eng/studentssuccess/pathways/shsm/>
- For additional information and an application form contact:

Student Services Department
St. Ignatius High School
807-344-8433

STUDENTS MUST COMPLETE AN APPLICATION PROCESS TO DETERMINE PROGRAM ELIGIBILITY

Specialist High Skills Major (SHSM) Arts And Culture Program Components

Eight (8) Bundled Credits

- 4 – major credits selected from senior credits in: Communications Technology, Computers, Design Technology, Drama, Hairstyling and Aesthetics, Media Arts, Music, Visual Arts and/or World Religions with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 – Co-operative Education credits
- 1 – credit in Grade 12 English
- 1 – supporting credit in Business studies or Canadian and World Studies or an additional Co-op credit or other specified credits

Six (6) Sector-Recognized Certifications and Training

- 3 – compulsory certification and training courses in WHMIS, CPR / AED, Standard First Aid
- 3 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Opportunity to observe and / or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector-Partnered Contextualized Component

- Innovation, Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Arts and Culture Major	One of: AMG3O, AMG3M, AMU3M, ASM3O, TGJ3M, TXJ3E	One of: AMG4M, AMU4M, AMR4M, ASM4E, TGJ4M, TXJ4E
Arts and Culture Major	One of: ADD3M, AVI3M, CHW3M, HRF3O, HRT3M, HRT3MF, HSP3C, HSP3U, ICS3C, ICS3U, LNOAO, NBV3C, TDJ3M	One of: ADD4M, AEA4O, AVI4M, CHY4U, FIF4U, FSF4U, HZT4U, ICS4C, ICS4U, LNOBO, TDJ4M
English		One of: ENG4E, ENG4C, ENG4U
Business Studies or Canadian & World Studies or an additional Co-op Credit, or other specified credits	One of the following credits in grade 11 or grade 12 year: BAF3M, BAI3E, BMI3C, BMX3E, CGG3O, CHW3M, CLU3M, ICS3C, ICS3U, MEL3E, NBV3E, NBV3C, AFI4T, BAT4M, BDV4C, BOH4M, CGR4M, CHY4U, CIA4U, CLN4U, EWC4U, FIF4U, FSF4U, GLE4O, GLS4O, ICS4C, ICS4U, MEL4E, OLC4O, or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 (COP4X)	

* **NOTE:** The same course cannot count in two categories.

SAMPLE OCCUPATIONS IN THE ARTS AND CULTURE SECTOR

Apprenticeship	College	University	Workplace
Entertainment Industry Film Studies Hair Stylist Photographer	Acting Audio Production Broadcaster Interior Designer	Animation Author or Writer Fashion Design Graphic Designer	Advertising Design Digital Music Musician / Singer Painter /Sculptor

Specialist High Skills Major (SHSM) Construction Technology Program Components

Ten (10) Bundled Credits

- 4 – major credits selected from Construction Technology, Design Technology, Physics, Visual Arts, Transportation Technology or Welding, with a minimum of one (1) in Grade 11 and one (1) in Grade 12. **Wherever possible, the student should choose the double period Construction Technology major. However, if there are timetable restrictions, the single period combination may be utilized.**
- 2 - Cooperative Education credits
- 4 - supporting credits in English, Math and an additional Co-op credit or other specified credits from list

Seven (7) Sector Recognized Certifications and Training

- 5 – compulsory certification and training courses in First Aid, CPR / AED, Health & Safety, WHMIS, Working at Heights
- 2 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Dual credit with Confederation College in Basic Hand Tools and Safety of the Construction Industry (CT121)
- Opportunity to observe and/or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector Partnered Contextualized Component

- Innovation Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Construction Tech. Major Double period, 2 credits	One of: TCJ3CH or TCJ3EH	One of: TCJ4CH or TCJ4EH
Construction Tech. Major Single period, 1 credit each	TCJ3C or TCJ3E plus one of the following: AVI3M, SPH3U, TDJ3M, TMJ3C, TMJ3E, TTJ3E or TTJ3C	TCJ4C or TCJ4E plus one of the following: AVI4M, SPH4C, SPH4U, TDJ4M, TMJ4E, TMJ4C, TTJ4E or TTJ4C
English		One of: ENG4E, ENG4C, ENG4U
Math (workplace students may have 1 math only)	One of: MEL3E, MBF3C, MCF3M or MCR3U	One of: MEL4E, MAP4c, MCT4C, MHF4U, MDM4U or MCV4U
Business Studies or Science or an additional Co-op Credit, or other specified credits	One of the following credits in grade 11 or grade 12 year: BAF3M, BAI3E, BMI3C, BMX3E, ICS3C, ICS3U, SBI3C, SBI3U, SCH3U, SPH3U, SVN3E, BAT4M, BDV4C, BOH4M, GLE4O, GLS4O, ICS4C, ICS4U, OLC4O, SBI4U, SCH4C, SCH4U, SES4U, SPH4C, SPH4U, TAP4T or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 (COP4X)	

* NOTE: The same course cannot count in two categories.

SAMPLE OCCUPATIONS IN THE CONSTRUCTION SECTOR

Apprenticeship	College	University	Workplace
Carpenter Electrician	Architectural Design Technology Civil Engineering Technician	Architect Mechanical Engineer	Carpenter Helper Drywall Installer

Specialist High Skills Major (SHSM) Health And Wellness (Health Care) Program Components

Nine (9) Bundled Credits

- 4 – major credits selected from senior credits in: Health Care, Health and Physical Education, Science, Social Sciences and Humanities or Technology, with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 – Co-operative Education credits
- 2 – supporting credits: Grade 11 or 12 Math and Grade 12 English
- 1 – supporting credit in Science, Social Science and Humanities or an additional Co-op credit or other specified credits

Seven (7) Sector-Recognized Certifications and Training

- 4 – compulsory certification and training courses in WHMIS, CPR / AED, Standard First Aid and Infection Control
- 3 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Opportunity to observe and/or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector-Partnered Contextualized Component

- Innovation, Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Health Care Major	One of: TPJ3C, TPJ3M	One of: TPJ4E, TPJ4C, TPJ4M
Health Care Major	One of: HPC3O, HRF3O, HRT3M, HRT3MF, NBV3C, PAF3O, PPL3O, SBI3C, SBI3U, SCH3U, TXJ3E	One of: HFA4C, HFA4U, PAF4O, PLF4M, PPL4O, PSK4U, SBI4U, SCH4C, SCH4U, SPH4C, SPH4U, TOJ4C, TXJ4E
English		One of: ENG4E, ENG4C, ENG4U
Math	One of: MEL3E, MBF3C, MCF3M, MCR3U, MAP4C, MCT4C, MEL4E, MHF4U, MDM4U, MCV4U	
Science, Social Science & Humanities or an additional credit in Co-op or other specific courses	One of the following credits in grade 11 or grade 12 year: HPC3O, HRF3O, HRT3M, HSP3C, HSP3U, ICS3C, ICS3U, MEL3E, NBV3C, SBI3C, SBI3U, SCH3U, SPH3U, SVN3E, SVN3M, BDV4C, GLE4O, GLS4O, HFA4C, HFA4U, HZT4U, ICS4C, ICS4U, MEL4E, OLC4O, PLC4T, PPI4T, SBI4U, SCH4C, SCH4U, SES4U, SPH4C, SPH4U, or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 year (COP4X)	

*NOTE: The same course cannot count in two categories.

SAMPLE OCCUPATIONS IN THE HEALTH AND WELLNESS SECTOR

Apprenticeship Child and Youth Worker Early Childhood Educator Educational Assistant	College Dental Assistant / Hygienist Laboratory Technician Massage Therapist Practical Nurse	University Chiropractor Dentist Nurse / Doctor Physiotherapist	Workplace Dietary Aide Fitness Instructor Laboratory Aide Personal Trainer
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Specialist High Skills Major (SHSM) Health And Wellness (Fitness) Program Components

Nine (9) Bundled Credits

- 4 – major credits selected from senior credits in: Health Care, Health and Physical Education, Science, Social Sciences and Humanities or Technology, with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 – Co-operative Education credits
- 2 – supporting credits: Grade 11 or 12 Math and Grade 12 English
- 1 – supporting credit in Social Science and Humanities, Science or an additional Co-op credit or other specified credits

Seven (7) Sector-Recognized Certifications and Training

- 4 – compulsory certification and training courses in WHMIS, CPR / AED, Standard First Aid and Infection Control
- 3 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Opportunity to observe and/or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector-Partnered Contextualized Component

- Innovation, Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Health Care Major	One of: PAF30, PPL30	One of: PAF40, PLF4M, PPL40, PSK4U
Health Care Major	One of: HPC30, HRF30, HRT3M, HRT3MF, NBV3C, SBI3C, SBI3U, SCH3U, TPJ3C, TPJ3M, TXJ3E	One of: HFA4C, HFA4U, HZT4U, SBI4U, SCH4C, SCH4U, SPH4C, SPH4U, TOJ4O, TPJ4E, TPJ4C, TPJ4M, TXJ4E
English		One of: ENG4E, ENG4C, ENG4U
Math	One of: MEL3E, MBF3C, MCF3M, MCR3U, MAP4C, MCT4C, MEL4E, MHF4U, MDM4U, MCV4U	
Science, Social Science & Humanities or an additional credit in Co-op or other specific courses	One of the following credits in grade 11 or grade 12 year: HPC30, HRF30, HRT3M, HSP3C, HSP3U, ICS3C, ICS3U, MEL3E, NBV3C, SBI3C, SBI3U, SCH3U, SPH3U, SVN3E, SVN3M, BDV4C, GLE4O, GLS4O, HFA4C, HFA4U, HZT4U, ICS4C, ICS4U, MEL4E, OLC4O, PLC4T, PPI4T, SBI4U, SCH4C, SCH4U, SES4U, SPH4C, SPH4U, or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 year (COP4X)	

***NOTE: The same course cannot count in two categories.**

SAMPLE OCCUPATIONS IN THE HEALTH AND WELLNESS SECTOR

Apprenticeship	College	University	Workplace
Child and Youth Worker Early Childhood Educator Educational Assistant	Laboratory Technician Massage Therapist Practical Nurse	Chiropractor Nurse / Doctor Physiotherapist	Dietary Aide Fitness Instructor Personal Trainer

Specialist High Skills Major (SHSM) Hospitality And Tourism Program Components

Nine (9) Bundled Credits

- 4 – senior credits in: Baking and Pastry Arts, Canadian and World Studies, Hairstyling and Aesthetics, Health and Physical Education, Hospitality and Tourism, Sciences or Social Sciences and Humanities with a minimum of one (1) credit in Grade 11 and one (1) credit in Grade 12
- 2 – Co-operative Education credits
- 2 – supporting credits: grade 11 or 12 Math or Grade 12 English
- 1 – supporting credit in either Business Studies, Science or an additional Co-op credit or other specified courses

Six (6) Sector-Recognized Certifications and Training

- 4 – compulsory certification and training courses in WHMIS, CPR / AED, First Aid and Customer Service
- 2 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Opportunity to observe and / or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector-Partnered Contextualized Component

- Innovation, Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Hospitality & Tourism Major	One of: TFJ3E or TFJ3C	One of: TFJ4E, TFJ4C, HFA4C, HFA4U
Hospitality & Tourism Major	One of: CHW3M, HRF3O, HRT3M, HSP3C, HSP3U, PAF3O, PPL3O, SBI3C, SBI3U, SCH3U, TXJ3E	One of: PLF4M, PPL4O, SBI4U, SCH4C, SCH4U, TFJ4C, TFJ4E, TUE4T, TXJ4E
English		One of: ENG4E, ENG4C, ENG4U
Math	One of: MEL3E, MBF3C, MCF3M, MAP4C, MCT4C, MEL4E, MHF4U, MDM4U, MHF4U, MCV4U	
Business Studies or Science or an additional Co-op credit or other specific credits	One of the following credits in grade 11 or grade 12 year: BAF3M, BAI3E, BMI3C, BMX3E, ICS3C, ICS3U, MEL3E, SBI3C, SBI3U, SCH3U, SPH3U, SVN3E, SVN3M, BAT4M, BDV4C, BOH4M, GLE4O, GLS4O, ICS4C, ICS4U, MEL4E, OLC4O, SBI4U, SCH4C, SCH4U, SES4U, SPH4C, SPH4U or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 (COP4X)	

* **NOTE:** The same course cannot count in two categories.

SAMPLE OCCUPATIONS IN THE HOSPITALITY AND TOURISM SECTOR

Apprenticeship	College	University	Workplace
Baker Chef /Cook Special Events Co-ordinator	Chef / Cook Hotel / Resort Manager Travel Agent	Dietician / Nutritionist Public Health Officer Public Relations	Executive Housekeeper Food & Beverage Server Hotel Clerk or Valet

Specialist High Skills Major (SHSM) Transportation Technology Program Components

Nine (9) Bundled Credits

- 4 – major credits selected from Computers, Construction Technology, Design Technology, Physics, Transportation Technology or Welding, with a minimum of one (1) in Grade 11 and one (1) in Grade 12. **Wherever possible, the student should choose the double period Transportation Technology major. However, if there are timetable restrictions, the single period combination may be utilized.**
- 2 - Cooperative Education credits
- 4 supporting credits in English, Math and an additional Co-op credit or other specified credits from list

Seven (7) Sector Recognized Certifications and Training

- 4 – compulsory certification and training courses in First Aid, CPR / AED, Health & Safety and WHMIS
- 3 – elective certification and training courses from those provided within SHSM programs

Experiential Learning Opportunities

- Job Shadowing, Job Twinning or Work Experience
- Field trips to workplace locations to explore potential careers

Reach Ahead Experiences

- Opportunity to observe and / or interview post-secondary students or employees in a given sector
- College, university or workplace tours

Sector Partnered Contextualized Component

- Innovation Creativity and Entrepreneurship (ICE) training, Coding or Mathematical Literacy

Credits	Grade 11 Requirements	Grade 12 Requirements
Transportation Major Double period 2 credits	One of: TTJ3CH or TTJ3OH	One of: TTJ4CH or TTJ4EH
Transportation Major Single period, 1 credit each	TTJ3C or TTJ3O plus one of the following: ICS3C, ICS3U, TCJ3C, TCJ3E, TDJ3M, TMJ3E, TMJ3C, SPH3U	TTJ4C or TTJ4E plus one of the following: ICS4C, ICS4U, TCJ4C, TCJ4E, TDJ4M, TMJ4C, TMJ4E, SPH4C, SPH4U
English		One of: ENG4E, ENG4C, ENG4U
Math	One of: MEL3E, MBF3C, MCF3M, MCR3U, MEL4E, MAP4C, MCT4C, MHF4U, MDM4U, MCV4U	
Additional credit from list or an additional credit in Co-op	One of the following credits in grade 11 or grade 12 year: BAI3E, BAF3M, BMI3C, BMX3E, ICS3C, ICS3U, SBI3C, SBI3U, SCH3U, SPH3U, SVN3E, SVN3M, BAT4M, BDV4C, BOH4M, GLE4O, GLS4O, ICS4C, ICS4U, OLC4O, SBI4U, SCH4C, SCH4U, SES4U, SPH4C, SPH4U, or an additional Co-op Credit	
Co-operative Education	A minimum of two credits completed in either grade 11 (COP3X) or grade 12 (COP4X)	

* **NOTE:** The same course cannot count in two categories.

SAMPLE OCCUPATIONS IN THE TRANSPORTATION SECTOR

Apprenticeship	College	University	Workplace
Automotive Service Technician Marine Engine Mechanic Motorcycle Technician	Air Pilot Auto Mechanic Mechanical Engineering Tech.	Aerospace Engineer Industrial Designer Urban Planner	Airport Ramp Attendant Automotive Salesperson Bus or Transit Operator