

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 new Specialist High Skills Major.

What Is a 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.
- An 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 postsecondary 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:
 - i) 4 major credits that provide sector-specific knowledge and skills;
 - ii) 2-4 other required credits from the Ontario curriculum in which some expectations are met through learning activities contextualized to the sector;
 - iii) 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 in the student’s selected postsecondary pathway
 5. Development of Essential Skills and work habits required in the sector, and the use of the Ontario Skills Passport (OSP) for purposes of documentation.

How does an SHSM benefit students?

- An SHSM 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.
- An SHSM program gives students the opportunity to explore, identify, and refine career goals and make informed decisions related to postsecondary education or training and next steps towards a career.

SPECIALIST HIGH SKILLS MAJOR (SHSM)

- An SHSM helps students 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 an 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, using tools connected with the Ontario Skills Passport.
- Through an SHSM, students begin to establish relationships and networks in their chosen field.
- Students who have earned an SHSM can provide evidence of their achievement of the required components (e.g., sector-recognized certifications and training programs) to prospective employers and postsecondary educational or training institutions.

How is successful completion of an SHSM documented?

- Successful completion of an SHSM is indicated on the student's Ontario Secondary School Diploma by a red seal.
- The student receives an 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 an SHSM is indicated on the student's Ontario Student Transcript (OST).

Where are SHSM programs 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/studentsuccess/pathways/shsm/>
- For additional information and an application form contact:

Student Services Department
St. Patrick High School
807-623-5218

**STUDENTS MUST COMPLETE AN APPLICATION PROCESS
TO DETERMINE PROGRAM ELIGIBILITY.**



SPECIALIST HIGH SKILLS MAJOR (SHSM)

ABORIGINAL YOUTH ENTREPRENEURSHIP PROGRAM (AYEP)

BUSINESS PROGRAM COMPONENTS

Bundled Credits

- 4 – major credits selected from Business and Christian Living courses with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 - Cooperative Education credits
- 1 supporting credit in English and 2 supporting credits in Math

Sector Recognized Certifications and Training

- Certification and training courses in First Aid, CPR, WHMIS, Customer Service, Business Etiquette and Personal Inventory

Experiential Learning Opportunities

- Field trips & career exploration
- Cooperative Education

Reach Ahead Experiences

- College, University and workplace tours.

Development of Essential Skills and Work

- Essential skills development
- Use of the Ontario Skills Passport

SHSM AYEP Business Program Schedule

Course code from current program	Apprenticeship Pathway		College Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Credits						
Major credits	BDI3CA	BDV4CA	BDI3CA	BDV4CA	BDI3CA	BDV4CA
Major credits	HRF3OE or HRT3MC	IBI4T or ICS4C1	BAF3M1 or CLU3M1 or ICS3C1 or HRT3MC	BAT4M1 or BBB4M1 or IBI4T or ICS4C1	BTA3O1 or HRF3OE	IBI4T
English credit	ENG3C, ENG3E, ENG4C or ENG4E		ENG3C or ENG4C		ENG3E or ENG4E	
Math credit	MBF3C, MCF3M or MEL3E	MAP4C, MCT4C or MEL4E	MBF3C or MCF3M	MAP4C or MCT4C	MEL3E	MEL4E
Co-op credits	COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2	

OCCUPATIONS IN THE BUSINESS SECTOR

Apprentice	College	Workplace
Building Materials Retailer Parts Technician Special Events Coordinator	Accounting and Related Clerk Administrative Clerk Banking, Insurance or Financial Clerk Bookkeeper Event Planner Insurance Adjustor Legal Secretary and more	Accounting Clerk Customer Service Clerk General Office Clerk Payroll Clerk Mail Clerk Inventory Clerk Real Estate Agent Wholesale Buyer Storekeeper and Parts Clerk and more

SPECIALIST HIGH SKILLS MAJOR (SHSM)

CONSTRUCTION TECHNOLOGY PROGRAM COMPONENTS

Bundled Credits

- 4 - Construction Technology Credits with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 - Cooperative Education credits
- 4 supporting credits in English, Math and Science or Business or additional Coop credit

Sector Recognized Certifications and Training

- Certification and training courses in First Aid, CPR, Health & Safety, WHMIS, Fall Protection, Confined Space Awareness, Hoisting & Rigging and Scaffold Safety

Experiential Learning Opportunities

- A 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)
- College, University and workplace tours

Development of Essential Skills and Work

- Essential skills development
- Use of the Ontario Skills Passport
- Awareness of the National Occupation Codes

SHSM Construction Technology Program Schedule

Course code from current program	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Credits	TCJ3CH	TCJ4CH	TCJ3CH	TCJ4CH	TCJ3CM	TCJ4CM	TCJ3EH	TCJ4EH
Major credits	TCJ3CH	TCJ4CH	TCJ3CH	TCJ4CH	TDJ3M or SPH3U or TMJ3M	SPH4U or TDJ4M or TMJ4M	TCJ3EH	TCJ4EH
English credit	ENG3C, ENG3E, ENG4C or ENG4E		ENG3C or ENG4C		ENG3U or ENG4U		ENG3E and ENG4E	
Math credit(s)	MBF3C or MEL3E	MAP4C, MCT4C or MEL4E	MBF3C or MCF3M	MAP4C or MCT4C	MCF3M or MCR3U	MCV4U, MDM4U or MHF4U	MEL3E or MEL4E	
Science/Business or additional Coop Credit	BDI3C, BTA3O, BDV4C, SBI3C, SCH4C, SNC4E or additional Coop Credit		BDI3C, BDV4C, BAT4M, BBB4M, SBI3C, SCH4C, SPH4C or additional Coop Credit		BAF3M, BAT4M, BBB4M, SBI3U, SBI4U, SCH3U, SCH4U, SPH3U, SPH4U or additional Coop Credit		BTA3O, SVN3E, SNC4E or additional Coop credit	
Co-op credits	COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2	

OCCUPATIONS IN THE CONSTRUCTION SECTOR

Apprentice	College	University	Workplace
Brick & Stone Mason Carpenter Construction Millwright Electrician Heating and Air Conditioning Contractor Painter and Decorator Plumber Roofers	Architectural Design Tech. Civil Engineering Tech. Construction Estimator Construction Manager Construction Tech. Electrical & Telecommunications Home Inspector Interior Designer Res. Home Builder or Renovator	Architect Electrical Engineer Mechanical Engineer Structural Engineer	Carpenter Helper Concrete Finisher Construction Trades Helper and Labourer Demolition Worker Drywall Installer Home Renovator

SPECIALIST HIGH SKILLS MAJOR (SHSM)

HEALTH AND WELLNESS PROGRAM COMPONENTS

Bundled Credits

- 4 – major credits selected from Health Care, Parenting, Gerontology and Biology with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 - Cooperative Education credits
- 3 supporting credits in English, Math, Social Science & Humanities, Science or additional Coop credit

Sector Recognized Certifications and Training

- Certification and training courses in First Aid, CPR, WHMIS, Infection Control, Automated External Defibrillation (AED), Lab Practices, Safe Food Handling, Customer Service and Sterile Techniques

Experiential Learning Opportunities

- Field trips & career exploration
- Cooperative Education

Reach Ahead Experiences

- College, University and workplace tours.

Development of Essential Skills and Work

- Essential skills development
- Use of the Ontario Skills Passport
- Awareness of the National Occupation Codes

SHSM Health Care Program Schedule

Course code from current program	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major credits	TPJ3CH	TPJ4CH or TPJ4EH	TPJ3CH or TPJ3MH	TPJ4CH or TPJ4MH	TPJ3MH	TPJ4MH	TPJ3CH	TPJ4EH
Major credits	HPC301	TOJ4C1 or HFA4C1	SBI3C1	TOJ4C1 or HFA4C1	SBI3U1	SBI4U1 or PSK4U1	HPC301 or PAF301 or PPL301 or SVN3E1	PAF401 or PPL401 or TOJ4C1
English credit	ENG3C, ENG3E, ENG4C or ENG4E		ENG3C or ENG4C		ENG3U or ENG4U		ENG3E or ENG4E	
Math credit	MBF3C, MEL3E, MAP4C or MCT4C		MBF3C, MCF3M, MAP4C or MCT4C		MCF3M, MCR3U, MCV4U, MDM4U or MHF4U		MEL3E OR MEL4E	
Science, Social Science & Humanities or additional Coop credit	HFA4C, HIP4O, HRF3O, HSP3C, SBI3C, SVN3E, SCH4C, SNC4E, SPH4C or additional Coop credit		HFA4C, HPC3O, HRF3O, HRT3M, HSP3C, SBI3C, SCH4C, SPH4C or additional Coop credit		HRT3M, HSP3U, HFA4U, HZT4U, SCH3U, SCH4U, SPH3U, SPH4U or additional Coop credit		HIP4O, HPC3O, HRF3O, SVN3E, SNC4E or additional Coop credit	
Co-op credits	COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2	

OCCUPATIONS IN THE HEALTH CARE SECTOR

Apprentice	College	University	Workplace
Child and Youth Worker Early Childhood Educator and more	Dental Assisting Dental Hygiene Medical Radiation Technology Nursing (Degree & Diploma) Paramedic Personal Support Worker Pharmacy Technician Practical Nursing Massage Therapist	Chiropractor Dentist Dietician Kinesiologist Medical Microbiologist Optometrist Pharmacist Podiatrist Nurse	Blood Donor Clinic Assistant Certified Personal Trainer Doctor's Office Receptionist Fitness Instructor Hospital Admitting Clerk Hospital Porter Medical Secretary and more

SPECIALIST HIGH SKILLS MAJOR (SHSM)

MANUFACTURING TECHNOLOGY PROGRAM COMPONENTS

Bundled Credits

- 4 - Manufacturing Credits with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 - Cooperative Education credits
- 3 supporting credits in English, Math and Science or additional coop credit

Sector Recognized Certifications and Training

- Certification and training courses in WHMIS, CPR, First Aid, Personal Protective Equipment , Lockout /Tag Safety, Fall Protection, Confined Space Awareness, and Propane Safety

Experiential Learning Opportunities

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

Reach Ahead Experiences

- Dual credit opportunity with Confederation College in "T"- Joints (WC126)
- College, University and workplace tours

Development of Essential Skills and Work

- Essential skills development
- Use of the Ontario Skills Passport
- Awareness of the National Occupation Codes

SHSM Manufacturing Program Sample Schedule

Course code from current program	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major credits	TMJ3CH	TMJ4CH	TMJ3CH	TMJ4CH	TMJ3MH (2) TMJ3M1 (1) AND	TMJ4MH (2) TMJ4M1 (1) AND	TMJ3EH	TMJ4EH
Major credits	TMJ3CH	TMJ4CH	TMJ3CH	TMJ4CH	ICS3U1 or TDJ3M1	ICS4U1 or TDJ4M1	TMJ3EH	TMJ4EH
English credit(s)	ENG3C, ENG3E, ENG4C or ENG4E		ENG3C or ENG4C		ENG3U or ENG4U		ENG3E	ENG4E
Math credit	MBF3C, MCF3M, MAP4C, MCT4C or MEL4E		MBF3C, MCF3M, MAP4C or MCT4C		MCF3M, MCR3U, MCV4U, MDM4U or MHF4U		MEL3E or MEL4E	
Science or additional Coop credit	SBI3C, SVN3E, SCH4C, SNC4E, SPH4C or additional Coop Credit		SBI3C, SCH4C, SPH4C or additional Coop Credit		SBI3U, SBI4U, SCH3U, SCH4U, SPH3U, SPH4U or additional Coop Credit		SVN3E, SNC4E or additional Coop Credit (recommended not required)	
Co-op credits	COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2	

OCCUPATIONS IN THE MANUFACTURING SECTOR

Apprentice	College	University	Workplace
Industrial Millwright Ironworker Machinist Pipe Fitter Precision Fabricator Sheet Metal Worker Tool & Die Maker Welder and more	Civil Engineer Drafting Technician Industrial Designer Instrumentation Eng. Tech. Manufacturing Tech. Mechanical Eng. Tech. Power Engineering Tech. Welder and more	Metallurgical Engineer Mechanical Engineer Process Engineer	Inventory Clerk Machine Operator Labourer

SPECIALIST HIGH SKILLS MAJOR (SHSM)

TRANSPORTATION TECHNOLOGY PROGRAM COMPONENTS

Bundled Credits

- 4 - Transportation Technology Credits with a minimum of one (1) in Grade 11 and one (1) in Grade 12
- 2 - Cooperative Education credits
- 3 supporting credits in English, Math, Science or Business or additional Coop credit

Sector Recognized Certifications and Training

- Certification and training courses in First Aid, CPR, Health & Safety, WHMIS, Air Brakes, Customer Service, Vehicle Lift Safety and Pleasure Craft Operator

Experiential Learning Opportunities

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

Reach Ahead Experiences

- Dual credit opportunity with Confederation College in Applied Work Practices (HC121)
- College, University and workplace tours

Development of Essential Skills and Work

- Essential skills development
- Use of the Ontario Skills Passport
- Awareness of the National Occupation Codes

SHSM Transportation Technology Program Schedule

Course code from current program	Apprenticeship Pathway		College Pathway		University Pathway		Workplace Pathway	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Credits								
Major credits	TTJ3CH	TTJ4CH	TTJ3CH	TTJ4CH	TTJ3CM	TTJ4CM	TTJ3OH	TTJ4EH
Major credits	TTJ3CH	TTJ4CH	TTJ3CH	TTJ4CH	SPH3U1 or TDJ3M1 or TMJ3M1	SPH4U1 or TDJ4M1 or TMJ4M1	TTJ3OH	TTJ4EH
English credit	ENG3C, ENG3E ENG4C or ENG4E		ENG3C or ENG4C		ENG3U or ENG4U		ENG3E or ENG4E	
Math credit	MBF3C, MCF3M, MAP4C, MCT4C or MEL4E		MBF3C, MCF3M, MAP4C or MCT4C		MCF3M, MCR3U, MCV4U, MDM4U or MHF4U		MEL3E or MEL4E	
Science, Business or additional Coop credit	BDI3C, BTA3O, BDV4C SBI3C, SVN3E, SCH4C, SNC4E, SPH4C or additional Coop credit		BAF3M, BDI3C, BAT4M, BBB4M, BDV4C, SBI3C, SCH4C, SPH4C or additional Coop Credit		BAF3M, BAT4M, BBB4M SBI3U, SBI4U, SCH3U, SCH4U, SPH3U, SPH4U or additional Coop Credit		SVN3E, SNC4E, BTA3O or additional Coop Credit	
Co-op credits	COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2		COP3X2 or COP4X2	

OCCUPATIONS IN THE TRANSPORTATION SECTOR

Apprentice	College	University	Workplace
Alignment & Brake Tech. Auto Body Repairer Motor Vehicle Repair Automotive Service Tech. Marine Engine Mechanic Motorcycle Technician Parts Technician Small Engine Mechanic Transmission Tech. Truck & Transport Mech	Air Pilot Industrial Designer Industrial Engineering Tech. Marine Engine Technician Mechanical Engineering Tech. Navigation Officer – Water Transport Quality Control – Automotive/ Marine Engines Motor Transport & Other Ground Transit Operators	Aerospace Engineer Automotive Engineer Industrial Designer Urban Planner	Aircraft Assembler Airport Ramp Attendant Automobile Salesperson Automotive Mechanical Installer & Servicer Bus or Transit Operator Car Lot Attendant Delivery/Courier Service Heavy Equipment Operators Railway Track Maintenance Service Station Attendant Tire Repairer