



TRANSPORTATION FOR TOMORROW

SPECIALIST HIGH SKILLS MAJOR

St. Joseph Secondary School



Unlimited Opportunities in Transportation

Transportation affects our lives in a multitude of ways. We drive cars for everyday purposes, use mass transit to commute to work, and fly and cruise on holidays. Transportation systems move raw materials to manufacturers and finished products to consumers locally, nationally, and globally. In addition to being essential to our daily lives, transportation and transportation systems are an important area of employment in our economy.

Transport Canada's *Transportation in Canada 2006** reports that the industry provided work for approximately 881 000 people in 2006 and that employment in this sector "has grown steadily since 2000, reflecting a high demand for qualified personnel".

The SHSM–Transportation provides students with a strong foundation for a wide variety of careers in the transportation sector, from those focusing on the service, repair, and modification of vehicles and vehicle systems to those related to the organization and management of transportation services and mass-transit systems.



Specialist High Skills Major In Transportation at St. Joseph S.S.



Industry Certifications & Training



HOW CAN A SPECIALIST HIGH SKILLS MAJOR (SHSM) IN TRANSPORTATION BENEFIT STUDENTS?

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.

A 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:

A bundle of 9 Grade 11 and Grade 12 credits that includes:

4 major credits that provide sector-specific knowledge and skills

3 other required credits from the Ontario curriculum, in which some expectations are met through learning activities contextualized to the sector

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

Sector-recognized certifications and/or training courses

Experiential learning and career exploration activities within the transportation sector

“Reach ahead” experiences connected with the student’s chosen postsecondary pathway

Development of Essential Skills and work habits required in the sector, and the use of the Ontario Skills Passport (OSP) for purposes of documentation

A 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.

A 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.

A 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.



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SPECIALIST HIGH SKILLS MAJOR

Program Overview:

The Specialist High Skills Major (SHSM) Program at St. Joseph Secondary School will build a strong foundation for students who wish to move on to further study and training in specialized areas of transportation technology. It will provide practical skills for those who wish to move directly into the workplace.

This is a cross-curricular program that focuses on the integration of Transportation Technology with Mathematics, English, Science, Business Studies and Experiential Learning. This program offers opportunities for all pathways: Apprenticeships, College, University, and Workplace.

The SHSM Program will address the needs of all students in their pursuit of careers or jobs in the business world. Students will develop management, leadership, teamwork and problem solving skills with this unique experience.

All Transportation SHSM students will complete:

- A Minimum of 4 Transportation courses
- A Cooperative Education Component
- 7 Certifications Recognized By the Transportation Sector
- Contextualized Transportation Units in both English, Math, Science and Business Studies

Who would be interested in the Transportation SHSM Program?

Students who:

- have successfully completed Grade 10.
- have an interest in Transportation.
- want to participate in authentic experiences beyond the classroom.
- plan to develop their skills in towards post-secondary goals.

APPRENTICESHIP			
Must earn four (4) required credits	SHSM Major Subjects	Grade 11	Grade 12
		<input type="checkbox"/> TTJ3C	<input type="checkbox"/> TTJ4C
		<input type="checkbox"/> TTA3C	<input type="checkbox"/> SPH4C
		<input type="checkbox"/> TTS3C	
		<input type="checkbox"/> TCJ3C	
Must earn one (1) credit in Grade 11 English	English	<input type="checkbox"/> ENG3C	
		<input type="checkbox"/> ENG3U	
Must earn one (1) credit in Grade 12 Math	Math		<input type="checkbox"/> MAP4C
			<input type="checkbox"/> MCT4C
			<input type="checkbox"/> MEL4E
Must earn one (1) credit in Grade 11 or 12	Science or Business Studies	Must earn two (2) credits in Cooperative Education tied to SHSM sector	
COLLEGE			
Must earn four (4) required credits	SHSM Major Subjects	Grade 11	Grade 12
		<input type="checkbox"/> TTJ3C <input type="checkbox"/> TCJ3C	<input type="checkbox"/> TTJ4C <input type="checkbox"/> ICS4C
		<input type="checkbox"/> TTA3C <input type="checkbox"/> TGJ3M	<input type="checkbox"/> TDJ4M
		<input type="checkbox"/> TTS3C <input type="checkbox"/> ICS3C	<input type="checkbox"/> SPH4C
		<input type="checkbox"/> TDJ3M	<input type="checkbox"/> TGJ4M
Must earn one (1) credit in Grade 11 English	English	<input type="checkbox"/> ENG3C	
Must earn one (1) credit in Grade 12 Math	Math		<input type="checkbox"/> MAP4C
			<input type="checkbox"/> MCT4C
Must earn one (1) credit in Grade 11 or 12	Science or Business Studies	Must earn two (2) credits in Cooperative Education tied to SHSM sector	
UNIVERSITY			
Must earn four (4) required credits	SHSM Major Subjects	Grade 11	Grade 12
		<input type="checkbox"/> TTJ3C <input type="checkbox"/> SPH3U	<input type="checkbox"/> TTJ4C <input type="checkbox"/> ICS4U
		<input type="checkbox"/> TTA3C <input type="checkbox"/> ICS3U	<input type="checkbox"/> SPH4U
		<input type="checkbox"/> TTS3C <input type="checkbox"/> TGJ3M	<input type="checkbox"/> TDJ4M
		<input type="checkbox"/> TDJ3M	<input type="checkbox"/> TGJ4M
Must earn one (1) credit in Grade 11 English	English	<input type="checkbox"/> ENG3U	
Must earn one (1) credit in Grade 12 Math	Math		<input type="checkbox"/> MDM4U
			<input type="checkbox"/> MHF4U
			<input type="checkbox"/> MCV4U
Must earn one (1) credit in Grade 11 or 12	Science or Business Studies	Must earn two (2) credits in Cooperative Education tied to SHSM sector	
WORKPLACE			
Must earn four (4) required credits	SHSM Major Subjects	Grade 11	Grade 12
		<input type="checkbox"/> TTJ3C	<input type="checkbox"/> TTJ4C
		<input type="checkbox"/> TTA3C	<input type="checkbox"/> TTJ4E
		<input type="checkbox"/> TTS3C	
Must earn one (1) credit in Grade 12 English	English		<input type="checkbox"/> ENG4E
			<input type="checkbox"/> ENG4C
Must earn one (1) credit in Grade 11 Math	Math	<input type="checkbox"/> MEL3E	
		<input type="checkbox"/> MBF3C	
Must earn one (1) credit in Grade 11 or 12	Science or Business Studies	Must earn two (2) credits in Cooperative Education tied to SHSM sector	

Future Career Opportunities

Apprenticeship Training

- Alignment and Brakes Technician
- Auto Body Repairer
- Automotive Painter – Motor Vehicle Repair
- Automotive Service Technician
- Marine Engine Mechanic
- Motorcycle Technician
- Parts Technician
- Recreation Vehicle Service Technician
- Small Engine Mechanic
- Transmission Technician
- Truck and Coach Technician
- Truck and Transport Vehicle Mechanic

College

- Air Pilot
- Industrial Designer
- Industrial Engineering Technician
- Marine Engine Technician
- Mechanical Engineering Technologist
- Navigation Officer – Water Transport
- Quality Control Assembly Inspector Automotive/Marine Engines
- Supervisors, Motor Transport, and Ground Transit Operators

University

- Aerospace Engineer
- Automotive Engineer
- Industrial Designer
- Urban Planner

Workplace

- Aircraft Assembler and Aircraft Assembly Inspector
- Airport Ramp Attendant
- Automobile Salesperson
- Automotive Mechanical Installers and Servicers
- Boat Assembler and Inspector
- Boat Operator
- Bus Driver, Subway Operator, and Other Transit Operator
- Car Lot Attendant
- Delivery and Courier Service Drivers
- Heavy Equipment Operators (except Crane)
- Railway Track Maintenance Worker
- Service Station Attendant
- Tire Repairer

Advisory Group & Community Partners



Centennial
College



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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.

Technological Studies
Moving Forward!