

Specialist High Skills Major Transportation

2025-2026

Profile

The Specialist High Skills Major in 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. The Transportation Specialist High Skills Major enables students to build a foundation of sector-focused knowledge and skills before graduating and entering apprenticeship training, college, university, or an entry-level position in the workplace.

Certifications (7)

Compulsory (4)

- CPR Level C and AED
- Health and Safety - Basic
- Standard First Aid
- WHMIS

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

- Working at Heights
- Lock Out/Tag Out
- Hoisting, Rigging and Moving
- Customer Service
- Project Management
- Leadership Skills
- Ladder Safety Training

Other Opportunities:

- Industry visits
- Community partnerships

Possible Occupations in the Sector

Workplace	Apprenticeship	College	University
• Boat Assembler • Heavy Equipment Operator • Railway Track Maintenance	• Auto Body Repairer • Small Engine Mechanic • Motorcycle Technician	• Industrial Designer • Marine Engine Technician • Air Pilot	• Aerospace Engineer • Industrial Designer • Urban Planner

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.



Transportation 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

IDC3O – Interdisciplinary Studies
 TCJ3C – Construction Engineering Technology
 TCJ3E – Construction Engineering Technology
 TMJ3M – Manufacturing Engineering Technology
 TTJ3C – Transportation Technology
 TTJ3O – Transportation Technology
 TTS3C – Transportation Technology: Small Engine and Recreational Equipment
 TWJ3E – Custom Woodworking

IDC4U – Interdisciplinary Studies
 TCJ4C – Construction Engineering Technology
 TCJ4E – Construction Technology
 TTJ4C – Transportation Technology
 TTS4C – Transportation Technology: Small Engines and Recreational Equipment

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

MEL3E – Mathematics for Work and Everyday Life
 SBI3C – Biology
 SBI3U – Biology
 SVN3M – Environmental Science

OLC4O – Ontario Secondary School Literacy Course
 MEL4E – Math for Work and Everyday Life

**Cooperative Education (2 credits taken in grade 11 OR 12)
 Summer co-op available.**



Specialist High Skills Major Transportation



Student Name: _____

Year of graduation: _____

Pathway of interest:

☐ Apprenticeship ☐ College ☐ University ☐ Workplace

Certifications (Mandatory*): ☐ *Standard First Aid ☐ *CPR Training ☐ *WHMIS Training ☐ *Health & Safety	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 _____

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

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