



**HAMILTON-
WENTWORTH**
DISTRICT
SCHOOL
BOARD

**SPECIALIST HIGH SKILLS MAJOR
(SHSM)
TRANSPORTATION
Quick Fact Sheet**



Centre your learning towards a career that matches your skills and interests while you earn your high school diploma! Students who successfully complete the SHSM program receive an Ontario Secondary School Diploma with an embossed red seal, an SHSM Record documenting his/her achievement, and a formal recognition on his/her Ontario Student Transcript. Speak with your guidance counsellor about SHSM and other benefits!

1. CREDITS AND PATHWAYS

CREDITS	Apprenticeship Training		College		University		Workplace	
	Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12	Gr 11	Gr 12
Major Credits <i>One credit may be substituted with a cooperative education credit (additional to the 2 required co-op credits)</i>	4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>		4 <i>Including at least one Gr. 11 and one Gr. 12 credit</i>	
Includes content delivered in the sector's context	English	1	1		1		1	
	Math	1	1		1		1	
Business Studies or Science or OLC40, GLS40, MEL3E & MEL4E <i>In addition *see List of Approved SHSM courses</i>	1		1		1		1	
Cooperative Education	2		2		2		2	
Total	9		9		9		9	

-Major credits may also include Mohawk Bridge/OYAP Dual Credits

The above credits must be selected from the following lists:

Grade 11 Major

- BDI 3C College Entrepreneurship: The Venture
- ICS 3C/3U College/University Computer Science
- SPH 3U University Physics
- TCJ 3C College Construction Technology
- TDJ 3M College/University Technological Design
- TEJ 3M College/University Computer Engineering Tech
- TGJ 3M College/University Communications Technology
- TMJ 3C/3E College/Workplace Manufacturing Technology
- TTA 3C College Transportation Auto Service
- TTJ3C College Transportation Technology

Grade 12 Major

- ICS 4C/4U College/University Computer Science
- SPH 4C/4U College/University Physics
- TCJ4C College Construction
- TDJ4M College/University Tech Design
- TEJ4M College/University Computer Engineering Technology
- TGJ4M/4O Communications Technology
- TMJ4C/4E College/Workplace Manufacturing
- TTA4C College Transportation Auto Service
- TTJ4C College Transportation Technology

Grade 11 English

ENG 3E	Workplace English
ENG 3C	College English
ENG 3U	University English

Grade 11 Math

MEL 3E	Workplace Math
MBF 3C	Foundations for College Mathematics
MCF 3M	Functions & Applications
MCR 3U	Functions

Grade 11 Business Studies or Science

BAF3M	College/University Accounting
BDI3C	College Entrepreneurship
BMI3C	College Marketing
ICS3C/3U	College/University Computer Studies
SBI 3C/3U	College/University Biology
SVN 3E	Workplace Environmental Science
SCH 3U	University Chemistry
SPH 3U	University Physics

Grade 12 English

ENG4E	Workplace English
ENG4C	College English
ENG4U	University English
OLC4O	Literacy Course

Grade 12 Math

MEL 4E	Workplace Math
MCT 4C	Math for College Technology
MAP 4C	Foundations for College Math
MHF 4U	Advanced Functions
MCV 4U	Calculus & Vectors
MDM4U	Data Management

Grade 12 Business Studies or Science

BBB4M	College/University International Business
BDV4C	College Entrepreneurship
ICS4C/4U	College/University Computer Studies
SNC4E	Workplace Science
SCH 4C/4U	College/University Chemistry
SPH 4C/4U	College/University Physics
SBI4U	University Biology

Cooperative Education (2 Credits)

2 credits in Transportation Focused co-op

Seven Sector-Recognized Certifications and/or Training Courses/Programs**Four (4) compulsory**

Cardiopulmonary Resuscitation (CPR) Level C – includes automated external defibrillation (AED)	health and safety – basic	Standard First Aid	Workplace Hazardous Materials Information System (WHMIS) – generic (i.e., not site-specific) instruction
------------------------------------------------------------------------------------------------	---------------------------	--------------------	----------------------------------------------------------------------------------------------------------

Three (3) electives from the list below

air brakes	basic electrical safety	computer-aided design and computer-aided manufacturing (CAD/CAM)	customer service
Drive Clean	environmental spills	ergonomics	fall protection
filling propane and motor fuel tanks	fire safety and fire extinguisher use	introduction to logistics	Innovation, Creativity and Entrepreneurship (ICE)
ladder safety training	leadership skills	lockout/tagging	original equipment manufacturer's training
ozone-depletion prevention	Pleasure Craft Operator	portfolio development	project management
sector-specific regulations and legislation	sector-specific vehicle operation and safety	specialized skills training program/competition (e.g, Skills Canada provincial level)	vehicle lift safety
Working at Heights			