

Specialist High Skills Major

Construction

2025-2026

Profile

The construction industry is one of Ontario's largest employers, and because of retirements and increased construction activity, employees are in high demand. The Construction Specialist High Skills Major offers students the opportunity to explore the many disciplines associated with construction. Our experienced staff will provide industry specific training in the areas of design, computer assisted design, precision measurement and layout, hand tools and machine tools.

Certifications (7)

Compulsory (5):

- CPR Level C with AED
- Health and Safety - basic
- Standard First Aid
- Working at Heights
- WHMIS

Electives (2) (more options at Ontario.ca):

- Chainsaw safety
- Fall Protection
- Scaffold Safety
- Fire Safety and Fire Extinguisher Use
- Elevated Work Platforms
- Powder-actuated Tools

Other Opportunities:

- Industry visits
- Community partnerships
- Possible dual credits

Possible Occupations in the Sector

Workplace	Apprenticeship	College	University
Carpenter Helper	Carpenter	Civil Engineering	Architect
Drywall Installer	Electrician	Home Inspector	Electrical Engineer
Home Renovator	Plumber	Residential Builder	Mechanical Engineer

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.



Construction SHSM Pathway (Total of 10 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

AVI3M – Visual Arts
 SPH3U – Physics
 TCJ3C – Construction Engineering Technology
 TDJ3O – Technological Design and the Environment
 TDJ3M – Technological Design
 THJ3E – Green Industries
 THJ3M – Green Industries
 TMJ3C – Manufacturing
 TMJ3M – Manufacturing
 TMJ3E – Manufacturing
 TTJ3C – Transportation Technology: Vehicle Ownership
 TWJ3E – Custom Woodworking

AVI4M – Visual Arts
 SPH4C – Physics
 SPH4U – Physics
 TCJ4C – Construction Engineering Technology
 TDJ4O – Technological Design in the Twenty-first Century
 TDJ4M – Technological Design
 THJ4E – Green Industries
 THJ4M – Green Industries
 TMJ4C – Manufacturing
 TMJ4M – Manufacturing
 TMJ4E – Manufacturing
 TTJ4C – Transportation Technology: Vehicle Ownership
 TWJ4E – Custom Woodworking

English (1 credit if Apprenticeship, College, or University & 2 credits if Workplace)

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

Math (2 credits if Apprenticeship, College, or University <-1 must be in grade 12 & 1 credit if Workplace)

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

AVI3M – Visual Arts
 BDI3C – Entrepreneurship: The Venture, College (PACE)
 BAF3M – Financial Accounting Fundamentals
 BMX3E – Marketing: Retail and Service, Workplace (PACE)
 BTA3O – Information and Communication Technology: The Digital Environment
 MEL3E – Mathematics for Work and Everyday Life
 OLC3O – Ontario Secondary School Literacy Course
 SBI3C – Biology
 SBI3U – Biology
 SCH3U – Chemistry
 SPH3U – Physics
 SVN3E – Environmental Science
 SVN3M – Environmental Science

BAT4M – Financial Accounting Principles
 BBB4M – International Business Fundamentals
 SBI4U – Biology
 SCH4C – Chemistry
 SCH4U – Chemistry
 SPH4C – Physics
 SPH4U – Physics
 GLE4O – Advanced Learning Strategies
 GLS4O – Advanced Learning Strategies
 OLC4O – Ontario Secondary School Literacy Course
 MEL4E – Math for Work and Everyday Life
 NDW4M – Contemporary Indigenous Issues and Perspectives in a Global Context

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

Specialist High Skills Major Construction

Student Name: _____

Year of graduation: _____

Pathway of interest:

☐ Apprenticeship ☐ College ☐ University ☐ Workplace

Certifications (Mandatory*): ☐ *Standard First Aid ☐ *CPR Training ☐ *WHMIS Training ☐ *Health & Safety ☐ Working at Heights	Date Completed: _____ _____ _____ _____	2 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 (2 if workplace):	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____
2 Math (1 if workplace):	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____
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: _____