

Specialist High Skills Major Forestry

2025-2026

Profile

Production in the forest sector contributes close to \$20 billion dollars annually to Canada's gross domestic product. In a global context, Canada has the world's largest forest product trade balance—a position it has held for as long as trustworthy trade statistics have been compiled. No nation derives more net benefit from trade in forest products than Canada. The three main forestry industry subsectors are solid wood product manufacturing, pulp and paper product manufacturing and forestry and logging. A large number of baby boomers will retire from these sectors in the near future, which will create a demand for new workers to fill their roles. Demographics and the ability to find workers with the skills needed to use emerging technologies remain a challenge.

Certifications (7)

Compulsory (4):

- CPR/AED
- Compass/map/global positioning system (GPS)
- Standard First Aid
- WHMIS

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

- Bear Safety
- Fall Protection Awareness
- Hoisting and Rigging
- Chainsaw Safety
- Lockout and Tagging
- Traffic Control Persons
- Firefighting for the Forest Industry
- Excavator Awareness
- Working at Heights

Possible Occupations in the Sector

Workplace	Apprenticeship	College	University
Forest Firefighter Brush Cutter Logging	Arborist	Forest Engineering Technician Forest Resource Technician GIS Technician	Forester Surveyor Ecologist

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.



Forestry 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

CGT30 – Introduction to Spatial Technologies
TCJ3E – Construction Technology, Workplace
TCJ3C – Construction Engineering Technology
SBI3C – Biology
SBI3U – Biology
SCH3U – Chemistry

CGR4E – Living in a Sustainable World
CGSBI4UR4M – Living in a Sustainable World
CGO4M – Spatial Technologies in Action
CGW4U – World Issues: A Geographic Analysis
SBI4U – Biology
SCH4C – Chemistry
SCH4U – Chemistry
TCJ4E – Construction Technology
TCJ4C – Construction Engineering Technology

Possible Dual Credits
TZV4T – Heavy Duty Equipment
TLH4T – Welding Fundamentals

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

CGT30 – Introduction to Spatial Technologies
MEL3E – Mathematics for Work and Everyday Life
SBI3C – Biology
SBI3U – Biology
SCH3U – Chemistry
SPH3U – Physics
SVN3E – Environmental Science
SVN3M – Environmental Science

CGW4U – World Issues: A Geographic Analysis
GLE4O –
GLS4O –
MEL4E – Math for Work and Everyday Life
OLC4O – Ontario Secondary School Literacy Course
SBI4U – Biology
SCH4C – Chemistry
SCH4U – Chemistry
SNC4E – Science
SNC4M – Science
SPH4C – Physics

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

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Student Name: _____

Year of graduation: _____

Pathway of interest:

☐ Apprenticeship

☐ College

☐ University

☐ Workplace

Certifications (Mandatory*):	Date Completed:	3 Sector Specific Certifications:	Date Completed:
☐ *Standard First Aid ☐ *CPR Training ☐ *WHMIS Training ☐ *GPS	_____ _____ _____ _____	☐ _____ ☐ _____ ☐ _____	_____ _____ _____

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 minor 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: _____