BCIT SCHOOL OF CONSTRUCTION AND THE ENVIRONMENT

British Columbia Institute of Technology

ASSOCIATE CERTIFICATE IN CONSTRUCTION OF MASS TIMBER STRUCTURES (BLENDED DELIVERY MODEL)

(2025 Associate Certificate practicum participants.)

The 15.0-credit Associate Certificate in Construction of Mass Timber Structures is designed to provide students with (1) technical knowledge in mass timber construction and management of mass timber projects with an emphasis on the installation phase; (2) practical skills in on-site installation of mass timber structures; and (3) problem-solving, creativity and teamwork skills. This program has been developed for carpenters, ironworkers, building installers, and foremen/supervisors with an interest in expanding their expertise to mass timber.

The Associate Certificate in Construction of Mass Timber Structures is a six-month, flexible learning program. It includes four online courses, and a two-week in person practicum course. Students can expect to spend 8 to 10 hours per week on coursework during the first four courses. During the two-week practicum course at the Burnaby Campus, students build a two-storey mass timber structure and learn about mass timer connections using the interactive Mass Timber Constructability Hub.

Applications for this program are processed by the School of Construction and the Environment, Industry Services Department. Through our partnership with the BC Future Ready Action Plan, **we are offering a 35% tuition subsidy for eligible participants in the 2026 program**. To express interest in this program and to receive an application package, please contact Christine Pinkham: cpinkham@bcit.ca / 604.432.8694.

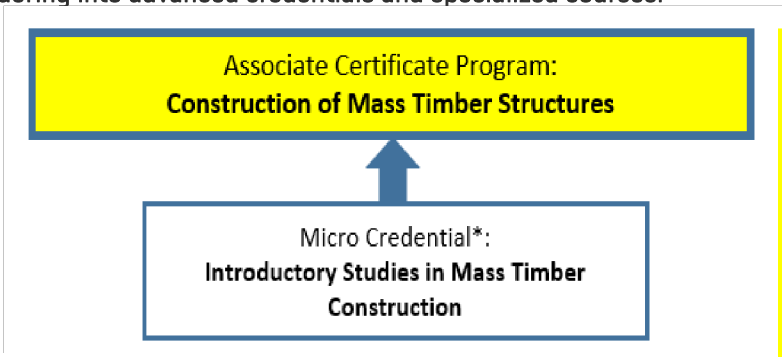
The Associate Certificate in Construction of Mass Timber Structures Program is comprised of:

- Program Length: 6 months
- Program Components: Four online courses (3-6 weeks each). Practicum course, in person (2 weeks).

Courses:

1. **TMBR 1020 – Introduction to Mass Timber Construction:** This course provides an overview of mass timber construction, covering its fundamentals, advantages and challenges, preconstruction planning, structural considerations, and unique risks associated with mass timber construction. Participants will gain practical insights into mass timber construction documents and best practices for successful project execution. (3.5 credits, 6 weeks, online)
2. **TMBR 1030 – Installation of Mass Timber Structures**: Focuses on erection of mass timber structures. Includes preparation for mass timber installation (e.g., site preparation, material storage, inventory, lifting considerations, specialized equipment for mass timber construction, rigging and hoisting, and construction site safety.) (3.5 credits, 6 weeks, online)
3. **TMBR 1040 – Building Enclosure for Mass Timber Construction**: Focuses on installation of building envelope assemblies. Includes typical barrier materials and components for enclosures, prefabricated enclosures, mass timber enclosure details, and best practices for moisture management. (3.5 credits, 6 weeks, online)
4. **TMBR 1050 – Interior Components and Services for Mass Timber Construction:** The course focuses on installing interior components and integrating mechanical, electrical, and plumbing services in mass timber buildings, including best practices for installation of fire resistance and sound insulation components. (1.5 credits, 3 weeks, online)
5. ***TMBR 1060 – Practicum Construction of Mass Timber Structures***: *This in-person course provides practical training on the installation of structural components, connections, and building envelope using a 2-storey mass timber mock-up structure. (3.0 credits, 2 weeks, June 15 – 26, 2026, **in-person**)*

Laddering into advanced credentials and specialized courses:



* Students may choose to complete the *Introductory Studies in Mass Timber Construction* ***Microcredential*** as an introduction to the field of mass timber prior to applying for the Associate Certificate in Construction of Mass Timber Structures, or they may apply directly into the Associate Certificate program.

ENTRANCE REQUIREMENTS:

- English Studies 12, or equivalent
- Math 11, or equivalent
- Completion of, at minimum, one of a Carpentry Foundation Program or an Ironworker Foundation Program
- Current Fall Protection Training Certification (within 3 years)
- Work experience in the Carpentry or Ironworker trade would be an asset
- Basic computer proficiency is highly recommended

Note: Students who have completed the Introductory Studies in Mass Timber Construction Microcredential will be granted advanced standing in the Associate Certificate in Construction of Mass Timber Structures.

FOR MORE INFORMATION:

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