School of Construction and the Environment

INTRODUCTORY STUDIES IN MASS TIMBER CONSTRUCTION (ONLINE) – FUNDED PILOT

One of BCIT's inaugural 'Micro-Credentials' (defined as a short introductory program designed: for professional development; to ladder into more advanced credentials; and, to lead to enhanced employment opportunities)

This 5.0 credit Micro-Credential 'Introductory Studies in Mass Timber Construction' (online) is designed to provide students with a broad foundation to the burgeoning field of mass timber construction with an emphasis on the installation phase. It will be of interest to Carpenters, Ironworkers, Quantity Surveyors, Construction Managers, 3-D Modellers, Developers, Manufacturers, and Designers – virtually anyone within the construction field with an interest in expanding their expertise to mass timber.

This program has sector and government support and will be piloted beginning January 2021 over an 8-week period. Through government support for this initiative, the pilot offering of this Micro-Credential is fully funded, and we are accepting applications for these limited funded seats now through the end of December 2020. To receive an application package, please contact Ann Martineau, Industry Services Assistant: amartineau@bcit.ca / 604.712.7492. You will be advised by the first week of January if you have been accepted into the pilot.

Following the funded pilot, there will be a general launch of the program in Spring/Summer 2021 (TBC).

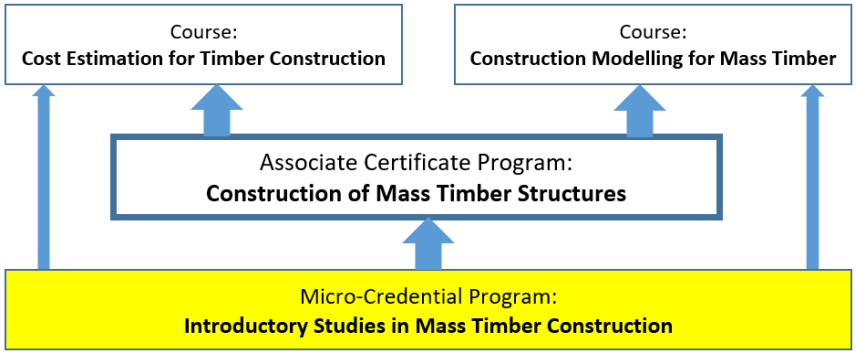
The pilot program will take place online January 28, 2021 to March 24, 2021 and is designed to be completed in a flexible, online part-time studies model with students spending 6 to 9 hours per week on the courses.

Upcoming intakes:	January 2021 to March 2021 (funded pilot)	Spring/Summer 2021 (TBC) (general registration opens)

The Introductory Studies in Mass Timber Construction Micro-Credential program is comprised of a 1.5-credit course and seven 0.5-credit nano-modules, for a total of 5.0 credits:

- TMBR 1010 – **Introduction to Mass Timber Construction** Course: Provides an overview of the main characteristics and properties of mass timber products, including advantages and challenges of their use in construction, and introduces the concept and advantages of prefabrication.
  - TMBR 1001 - **Introduction to Erection of Mass Timber Structures** Nano-module: Outlines basic structural components, connections, and building systems, as well as site installation for mass timber construction, including safety considerations when handling and lifting mass timber components.
  - TMBR 1002 – **Introduction to Installation of Building Envelope and Services for Mass Timber Construction** Nano-module: Introduces the main types of building enclosures based on climate considerations and code requirements.
  - TMBR 1003 – **Introduction to Mass Timber Building System Performance** Nano-module: Provides fundamental knowledge about building system performance in terms of fire performance and sound insulation.
  - TMBR 1004 – **Introduction to Construction Management for Mass Timber** Nano-module: Provides basic principles of construction management including construction planning.
  - TMBR 1005 – **Visualization of a Mass Timber Construction Project** Nano-module: Provides visualization of a mass timber construction project and includes a narrated tour.
  - TMBR 1006 - **Introduction to Cost Estimation for Timber Construction** Nano-module: Introduces the basic principles of cost estimation for mass timber construction.
  - TMBR 1007 - **Introduction to Construction Modelling for Mass Timber** Nano-module: Introduces the basic principles of construction modelling for mass timber construction.

Laddering into advanced credentials and specialized courses:



The Micro-Credential Program, Introductory Studies in Mass Timber Construction, will prepare graduates with fundamental knowledge in mass timber construction, and is a prerequisite for, the comprehensive Associate Certificate Program, *Construction of Mass Timber Structures*.

ENTRANCE CATEGORIES:

It is recommended that applicants to the program possess the following skills and experience prior to entry:

- Proficiency in English, Math and Computer Skills
- One of: (i) a level of certification in a relevant trade, or (ii) completion of a post-secondary credential in a relevant field of study, or (iii) a background in the building design and construction sector

FOR MORE INFORMATION:

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