



# Building Information Modeling

Learn to effectively manage your part of a project's lifecycle and work within the AECOO team. Build on your career in Architecture, Engineering, Construction, or as an Owner or Operator as you gain important knowledge about digital construction and BIM project management processes that are being adopted around the world.

## Learn about BIM management processes

**Program description:** Unlike most BIM-focused programs in Canada, this program focuses on the process not the software. It provides you with a comprehensive, higher-level understanding, preparing you to manage projects and work effectively within a cross-functional AECOO team. For professionals and future professionals working in Architecture, Engineering, Construction and Management including Owners and Operators (AECOO), understanding Building Information Modeling and its international standards for exchanging project information and managing a project through its entire lifecycle are essential to preparing for the future and opening doors in your career.

**Skills and Competencies:** Learn BIM concepts, principles and processes. Learn about the uses and benefits of BIM, commonly used BIM tools and technology and gain related experience in an applied project. You'll be guided by very experienced industry experts who have been involved in very practical applications of BIM as you

explore cutting-edge research and up and coming areas in Canada and internationally. Whether you are a student or an established professional, BIM prepares you for the future, a future that's already here.

**Program Length:** 18 months to 3 years, part-time

**Delivery:** Online

**Fees:** \$2,565 plus \$100 non-refundable application fee

**Credential:** Earn a University of Manitoba Certificate in Building Information Modeling.

Extended Education





“BIM is not a software. It is a process. We need to upskill humans in the management of this process. They can’t simply rely on technology. It changes.”

**David Thompson**  
Senior consultant, Turner and Townsend

# Building Information Modeling Certificate Program Overview

## Register for course(s) now.

Study course by course. Course fees due at time of registration.

## Apply to the program now.

Applications are open.

## Length of program:

144 contact hours

## Required Courses (108 contact hours)

- EEAS 0130** BIM Fundamentals I (30 contact hours)
- EEAS 0132** BIM Fundamentals II (30 contact hours)
- EEAS 0136** BIM in the Field (12 contact hours)
- EEAS 0138** BIM Technology and Tools (12 contact hours)
- EEAS 0134** Building Information Management (30 contact hours)

## Elective Courses (choose one)

- LDRS 0540** The Art and Practice of Team Leadership (36 contact hours)
- MGMT 0292** Understanding the Business Case for Advanced Manufacturing (36 contact hours)
- EEAS 0140** BIM and Sustainability in the AECOO industry (36 contact hours)
- EEAS 0142** Special Topics in BIM (36 contact hours)

*Course information is subject to change without notice. For the latest information, check our website.*

[UMExtended.ca/](http://UMExtended.ca/)