BuildingSMART Canada Professional Certification - Foundation

General Information:

Duration: 4 – 3hr sessions and 1-1hr exam session

Prerequisite: None

Achievement:

BuildingSMART Canada Professional Certification – Foundation

Locations: Online

Pricing, Registration & Scheduling:

Pricing: $1,295 per person, includes cost of exam.

Please contact our training coordinator at 1-877-438-2231 x227 or via email at training@solidcad.ca

Complete course listing: www.solidcad.ca/training

Course Description:

This course provides a thorough introduction to Building Information Modeling (BIM), exploring its significance within the construction and facility management sectors. Participants will learn essential concepts, including the definition of BIM, its key drivers, and relevant terminologies, while also examining information management frameworks such as ISO 19650. The curriculum emphasizes the importance of collaboration and the detrimental effects of poor information management on project outcomes, alongside the benefits of adopting BIM for professionals and facility owners.

Through interactive lectures and case studies, learners will discover the critical role of collaboration in BIM processes and the impacts of poor information management on project outcomes. The course will also cover the role of BuildingSmart in promoting openBIM and the importance of data standards like IFC and MVDs. By the end, participants will be equipped to assess BIM maturity within their organizations, align BIM adoption with strategic goals, and address data security concerns, making this course ideal for construction professionals, facility managers, and anyone interested in leveraging BIM to optimize project delivery and management.

Learning Objectives:

The following learning objectives will be covered during the course to ensure success on the exam and achievement of the BuildingSMART Canada Professional Certification – Foundation.

- Understand the definition, key terms, and benefits of BIM, including its drivers, ISO 19650 standards, and information management maturity stages
- Recognize how BIM improves collaboration, information management, and project delivery for design professionals, construction teams, and facility owners
- Learn how to define project requirements, create a BIM Execution Plan (BEP), and use tools like Common Data Environments (CDEs) for effective information management.
- Understand the role of openBIM®, buildingSMART standards, and interoperability solutions like IFC and MVDs for better data exchange.
- Explore the benefits, challenges, and organizational needs for adopting BIM in asset management, including aligning BIM to organizational goals and ensuring data security.