



Certificate in Building Information Modelling (BIM) Project Management

Duration: **6 Months Distance Learning Programme**

Language: **English**

RICS Member: **\$1,235**

Non RICS Member **\$1,835**

Course Summary

A BIM project manager has a critical role when advising clients, internal and external stakeholders about the benefits of BIM – how, when and where BIM can contribute to the project outcomes and then have the skills and knowledge to manage the project. The BIM manager is required to understand the BIM process, create the project environment in which BIM can work effectively: they set the outcomes and process and requirements across the teams. This course will give you the skills and knowledge to manage a BIM project at each stage.

This course is made up of the following 7 technical modules covering the practices and principles of BIM in project management:

Module 1 - Introduction to BIM & the business case for BIM

Module 2 – Strategic Definition Phase

Module 3 – Preparation and Brief Phase

Module 4 - Concept design/ Developed design/ Technical design/ Construction phases

Module 5 - Handover and Close Out

Module 6 – Operations and End of Use

Module 7 – Legal and Insurance Implications

Course Contents

Module 1 – Introduction to BIM & the business case of BIM

- The concept of BIM from a multidisciplinary perspective
- The business case for BIM, its benefits and challenges and adoption issues
- Achieve an awareness of BIM execution plans and maturity models
- Analyse of the UK Government BIM strategy, global adoption and key documents in support of it

Module 2 – Strategic definition phase

- The initial key BIM activities and documents that have be put into place at the strategic definition stage of a project.
- Define the new roles and responsibilities associated with a BIM
- How to design and structure a BIM implementation strategy
- Different levels of development and detail at key project stages and how this can be dictated by the client requirements and procurement process

Module 3 – Preparation and brief phase

- Key BIM activities in the preparation and brief phase
- The importance of the common data environment and how it should be structured and managed correctly
- The purposed and structure of the BIM execution plan (BEP) and be able to design and implement a project specific BEP Course Contents Certificate in Building Information Modelling - Project Management Version 2.1 Page 4

Module 4 – Concept design/ Developed design/ Technical design/ Construction phases

- Define the key BIM activities during the design (concept/ development/ technical) and construction phases
- Apply different methods of how to encourage collaboration and coordination in a BIM environment
- Define the importance of validation at key stages and key check to make

Module 5 – Handover and close out

- Analyse the format and process of handing over the BIM and electronic data and documents across to the client at practical completion
- Structure how to measure performance and success

Module 6 – Operations and end of use

- Define the relationship between BIM and FM and how it can provide value to a client during the operational phase of an asset

- Analyse what a client needs in place if they wish to utilize the BIM during the operational phase

Module 7 – Legal and Insurance Implications

- The legal and insurance implications that need to be considered on a BIM project
- Assess your understanding of the BIM methodology
- Course Summary
- Course online exam

Course Structure

The duration of this distance learning programme is 6 months. During this period you will learn via a combination of online self-study material supported by interactive live online tutor-led sessions.

The course is composed of 7 units. Each unit will give you a detailed understanding of the topic and will blend theory and practice via case studies test your understanding and will include the following resources:

- Instructional tutor presentations
- Course textbook
- Case studies and practical exercises.
- Online forum for tutor and delegates
- Live tutor facilitated online classroom sessions

Instructional tutor e-learning

The tutor instructional e-learning have been created by a subject matter expert who specialise in construction management. This instructional e-learning courses support the candidate's development of the covered module.

Case Studies and Practical Exercises

Case studies within the distance and blended approach assist in bringing the theory to life. Delegates are provided with structured case studies, which will direct them to share their answers with their fellow delegates within the module forum and online live tutor session where their questions and examples can be discussed and supported.

Online forums to share information and ask questions

Forums provide a great opportunity to share information and pose questions you may have related to the topics during the distance learning. Having access to forums will allow all delegates to share best practice and foster a strong learning and development community within the 6 month programme.

Live tutor facilitated online classroom sessions

The live tutor session during the 6 month programme, have been designed to support the delegates and help consolidate their learning. These structured sessions will allow the tutor to consolidate the taught topics and explain some of the key theoretical points in a live environment. Being online is like a face to face session without the need to leave the office, therefore delegates can be based anywhere geographically to participate.

Course Text Book

The text book has been sourced to provide candidates with a thorough in-depth look into the topics covered throughout the course and supply further reading regarding best practice and key techniques regarding construction project management.

End of Course Assessment

You will be assessed through an online examination hosted by the RICS Online Academy. The online examination will take place at the end of the 6 month course and you will need to acquire the requisite minimum score to successfully complete the course.

Upon successful completion of the course delegates would have completed 200 CPD hours study over the 6 month period. Delegates will also receive a certificate of course completion confirming you have successfully attended and passed the Certificate in Building Information Modelling (BIM) Project Management.

Purchasing Information

The cost of this course is: RICS Members £895.00 + VAT, Non Members £1,075.00 + VAT

You will be asked to complete payment in order to enrol onto this course. Enrolment is activated through completing the payment process by clicking the 'Buy Now' button. We may have more than one start dates available, so please ensure you select the correct one.

Please note:

The start date is subject to change depending on number of attendees for this course and at the discretion of RICS. If you select the wrong start date you must notify us within 14 days of purchase to move to the correct group. Any requests outside of this date are chargeable.

