

Building Information Modelling Training Program Course Brochure and Competency Matrix

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1. Company Introduction

Project Controls Institute (PCI) is World's first and most unique Project Controls learning platform offering blended education alongside a flexible framework of global accreditations and qualifications. PCI combines unique content with blended learning methods, mapped to major global frameworks that allows candidates to gain accreditations/certifications with AACEi, PMI, APM, ECITB and Engineering Council UK. PCI is also supported by globally recognised professional bodies such as Engineers Australia and ACostE.

Through a simulated classroom experience, you'll be taught by industry experts to not only understand the Project Controls theory that's essential to your career development, but how to use software systems in a real-world, operational setting. What's more, you'll also get access to the PCI Handbook for free. Learn with us and wherever you are in the world, we will help you achieve the qualifications that will set you apart.

2. Training Program Description

Course Name: Advanced Building Information Modelling course.

Dedicated online training module in a structured and professional manner to understand the fundamental concepts and develop skills of Building Information.

This training distinguishes you as a professional that has the skills and knowledge that is benchmarked with international Information Modelling practices.

The course in Building Information Modelling Project Management will cover the entire BIM project lifecycle and provide you with detailed knowledge and the skills required in order managing each step of the project.

▶ 2.1 Certifications

This course leads to the following global certifications:

1. ECITB – Level 3 and Level 5 diploma in project controls
2. Engineering Council - IEng (Incorporated Engineer), and CEng (Chartered Engineer)

▶ 2.2 Prerequisites for certification exams:

ECITB Prerequisites:

- ▶ There are no age or formal entry requirements that you are required to take for this qualification. However, it's recommended that you have a basic understanding of project management.

General Requirement:

Professionals with at least 5 years of experience in managing projects within the built environment.

3. Training Delivery Options

- ▶ Online Training – Access to 20 hours of high quality E-learning videos, knowledge check questions and assessments.
- ▶ Blended training

4. Course Syllabus

Module#	Module Description
1	Introduction to BIM & the business case of BIM
2	Strategic definition phase
3	Preparation and brief phase
4	Concept design/ Developed design/ Technical design/ Construction
5	Handover and close out
6	Operations and end of use
7	Course Summary

5. Program Format

This program will be delivered in an interactive, practical, E-learning video format along with knowledge check questions and assessment. Theory will be supported and illustrated through a combination of real-world examples.

The USP of our courses is that these are developed by experts working on real life projects and hence the course content reflects the practical aspects and challenges faced by the professionals and industry during the project delivery.

6. Expected Audience Profile Background

This course is suitable for everyone who is part of any team that executes industrial projects. If possible, groups will be composed of organizations that are supplementing each other to allow all participants to learn as much as possible. This course is primarily aimed at:

- ▶ Project Managers
- ▶ Quantity Surveyors
- ▶ Building Surveyors
- ▶ Cost Engineer/ Estimator
- ▶ Asset Managers
- ▶ Facilities Manager
- ▶ Architects and Engineers
- ▶ Cost Engineers
- ▶ BIM Manager
- ▶ BIM Coordinator and
- ▶ Construction Project Managers

7. Course Outcomes (Skills)

This course will give you the skills and knowledge to effectively manage a BIM project at each stage. The feature of this course is a simulated BIM project, which will run throughout the course to embed practical knowledge at each stage of the BIM project process.

Note – Our course brochures are updated on a regular basis for continuous improvement