

# Cost Estimating Training Program Course Brochure and Competency Matrix

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## ► INDEX:

- 
1. Company Introduction

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  2. Training Program Description

---

  3. Training Delivery Options

---

  4. Course Syllabus

---

  5. Program Format

---

  6. Expected Audience Profile/Background

## 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'll help you achieve the qualifications that will set you apart.

## 2. Training Program Description

Course Name: Cost Estimating.

Dedicated 3-day training module in a structured and professional manner to contribute to the economic evaluation of potential projects by supporting the development of budgets, project resource requirements and value engineering.

This training distinguishes you as a professional that has the skills and knowledge that is benchmarked with international Cost Estimating Skills.

### ▶ 2.1 Course Development

Our course is prepared by the same industry experts who helped Governmental and professional bodies to draft their national standards and certifications.

This course is prepared using the following references or materials:

- ▶ AACE's Certified Estimating Professional Study Guide.
- ▶ AACE's Skills and Knowledge of Cost Engineering, 6th Edition.
- ▶ AACE's Total Cost Management Framework.
- ▶ Level 3 & Level 5 Diploma in Cost Estimating Practice.

### ▶ 2.2 Certifications mapped

This course leads to the following certifications:

- A. AACEi - Certified Estimating Professional (CEP).
- B. ECITB - Level 3 & Level 5 Diploma in Cost Estimating Practice.
- C. Engineering Council - EC IEng and C Eng.

▶ **2.3 Prerequisites for certification exams:**

**A. AACEi Prerequisites:**

- ▶ 8 years industry related experience or 4 years industry related experience + 4-year industry related college degree.
- ▶ Adherence to AACE's Canons of Ethics.

**B. 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.

### 3. Training Delivery Options

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

### 4. Course Syllabus

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Module#	Module Description
<b>1</b>	<b>Cost Estimating</b>
1.1	Estimating methods
1.2	Examples in preparing estimates by using various techniques
<b>2</b>	<b>Factor Estimating</b>
2.1	Factor estimating methods
2.2	Case 1: Making a factor estimate
2.3	Quantitative estimating method
2.4	Estimating with quantitative method
2.5	Estimating of equipment
<b>3</b>	<b>Engineering Estimating</b>
3.1	Estimating of engineering
3.2	Engineering effort in engineering phases
3.3	Methods of estimating engineering
3.4	Detailed approach per discipline; based on identified activities and deliverables

## 5. Program Format

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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.

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

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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 Manager / Director.
- ▶ Cost Estimation Engineer.
- ▶ Project Engineer.
- ▶ Cost Engineer.
- ▶ Planner.
- ▶ Scheduler.
- ▶ Project Controls Engineer.

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