

# ECITB Level 5 Diploma in Cost Engineering Practice Course Brochure and Competency Matrix

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## 1. Course description

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Course name: ECITB Level 5 Diploma in Cost Engineering Practice – Preparation Training.

The ECITB Level 5 Diploma in Cost Engineering Practice is a QCF qualification which has been designed to assess and verify your understanding, knowledge and skills in cost engineering activities in the engineering construction industry.

## 2. Course development

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

This course covers IT and quality management systems, risk analysis, scheduling, progress measuring methods, cost and progress control, profit and revenue, trending and trend forecasting, cost and change control, budgets, change orders and document control.

## 3. Certifications offered by professional bodies

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This qualification provides you with opportunities to progress into further learning and employment within the engineering construction industry in the areas of project control, cost engineering, estimating or planning. The achievement of this qualification will prepare you for progression to further qualifications in Project Management.

## 4. Eligibility Requirements

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- ▶ There are no age or formal entry requirements that you are required to take for this qualification.

## 5. Course Syllabus

Ref. #	Unit Title
PC-UA 96	Oversee the application of information technology (IT) to cost engineering. Credit: 7
PC-UA 97	Acquire and handle information needed for cost engineering. Credit: 11
PC-UA 20	Determine the requirements for Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credit: 5
PC-UA 87	Identify and quantify emerging changes through cost engineering activities. Credit: 7
PC-UA 98	Assure and control the quality of cost engineering procedures, methods and systems. Credit: 7
PC-UA 19	Plan and implement the continuous improvement of the Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credits: 4
PC-UA 50	Ensure the completion of Project Control, Estimating, Planning, Cost Engineering or Commercial Support tasks. Credits: 4
PC-UA 51	Evaluate Project Control, Estimating, Planning, Cost Engineering or Commercial Support performance, information and data. Credits: 4
PC-UA 10	Provide advice and support to maintain progress in Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credits: 12
PC-UA 13	Manage the continuing development of personal and professional skills in Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credits: 2
PC-UA 16	Develop and maintain effective Project Control, Estimating, Planning, Cost Engineering or Commercial Support relationships. Credits: 9
PC-UA 18	Observe and apply professional Project Control, Estimating, Planning, Cost Engineering or Commercial Support ethics and values. Credits: 2
PC-UA 81	Identify, analyse, evaluate and monitor risk opportunities and uncertainties, in the areas of project control, cost engineering, estimating or planning. Credits: 10
PC-UA 30	Develop the breakdown coding structures through Project Control, Estimating, Planning, Cost Engineering or Commercial Support activities. Credits: 8
PC-UA 31	Establish budgets for Project Control, Estimating, Planning, Cost Engineering or Commercial Support control purposes. Credit: 8
PC-UA 43	Forecast the cost of resources used through Project Control, Estimating, Planning, Cost Engineering or Commercial Support activities. Credit: 10
PC-UA 83	Monitor, control and report on exposure, commitment and expenditure through project control, cost engineering, estimating or planning activities. Credit: 6

**OPTIONAL UNITS – candidates must achieve a minimum of NINE units to attain at least 57 credits.**

Ref. #	Unit Title
PC-UA 11	Manage the team, agree objectives with teams and individuals in Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credit: 8
PC-UA 12	Manage the team and allocate work in Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credit: 9
PC-UA 15	Develop the professional Project Control, Estimating, Planning, Cost Engineering or Commercial Support skills of team members. Credit: 9
PC-UA 21	Estimate the cost of resources through Project Control, Estimating, Planning, Cost Engineering or Commercial Support activities. Credit: 14
PC-UA 52	Analyse and interpret statistical data for Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credit: 6

PC-UA 60	Apply financial controls and techniques to Project Control, Estimating, Planning, Cost Engineering or Commercial Support. Credit: 3
PC-UA 56	Identify and promote cost or time savings through Project Control, Estimating, Planning, Cost Engineering or Commercial Support activities during the concept and definition phases. Credit: 8
PC-UA 77	Lead the functional input to the establishment of the construction or manufacturing execution plan and construction or manufacturing sequence. Credits: 7
PC-UA 82	Participate in the optimisation of the production or construction method through project control, cost engineering, estimating or planning activities. Credits: 12
PC-UA 47	Evaluate the Project Control, Estimating, Planning, Cost Engineering or Commercial Support information and prepare claim submissions. Credits: 9

## 6. Competency Matrix

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Coming Soon

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