



ECITB Certificate in Project Controls

The ECITB has worked with employers to develop this course, which offers a comprehensive, practical introduction to project controls. Well-respected by industry, the course covers all aspects of project controls, including classroom training in knowledge and skills and a nuclear-based simulated project.

Target audience

The course provides the foundations of knowledge and technical skills for those working in project controls.

Programme structure

The course consists of 8 modules spread over a 9-month period each starting with a full day of teaching supported with additional reading and assignments.

As part of each module, learners undertake an assignment in which they apply the skills and knowledge they have learnt to develop project-specific documentation for the nuclear-based simulated project that runs throughout the duration of the course.

The learners also submit practical assignments that require self-directed learning to find out about how their own company undertakes project controls processes.

Integrated within the course alongside the technical project controls learning, the learners develop their team work and communication skills, including presenting and report writing.

On completion of the modules the learners bring together all the assignments they have completed as part of the simulated industry case study to create the final outcome of the course – a project execution plan (PEP). This addresses the detail, such as scope definition, estimating, scheduling, monitoring, risk assessment, document control, change control, cost control, subcontract management and progress measurements. This final PEP is presented to employers at the end of the project.

Programme content

- Project and project controls terminology.
- Organisational structures.
- Pre-sanction and post-sanction processes and staged gates.
- Project management organisation.
- Project life-cycles.
- Risk analysis and management.
- Project controls procedures.
- Document control, version control.
- Project procurement and subcontractor management.
- Scope definition.
- Work breakdown structures.
- Estimating.
- Benchmarking.
- Planning and scheduling.
- Schedule development.
- Resource management.
- Baseline setting.
- Cost control, expenditure, commitments and approvals.
- Monitoring and measuring progress.
- Earned value analysis.
- Project controls reporting.
- Change control.
- Jobsite management and communication.
- Contractual relationships and variations.
- Commissioning, acceptance, handover.
- Maintenance periods and warranties.
- Team work.
- Reporting and presentation skills.

“A well designed programme covering the life-cycle of a project, for those new project managers or project controls to gain valuable knowledge and tools, which they can take back into the business and easily apply. The networking opportunities add an additional element, which can extend outside the regular attended modules. All those from our business have returned with a clearer understanding of project controls and a more open mindset.”

Elsbeth Marsh
Talent Manager
KBR

“This course is tailored with eight modules that cover planning, estimating and cost, with access to comprehensive course materials. Apart from the individual assignments for the following month’s class, this programme involves group work (a life-cycle project), which extends the fact of interaction among participants outside the full day regular sessions. I would say this is the best part of the course, as you interact with other project controls personnel within the industry. As well as sharing knowledge and good practice, you get to know other project controls processes and procedures within the industry”

Rajeev Chaladi
Project Controls
Wood Group Engineering (North Sea) Ltd