



CPD diploma in professional engineering

Future leaders, future managers

Duration

12 months

Award

Successful participants will receive a CPD Diploma in Professional Engineering from Dublin Institute of Technology (DIT), which is worth 30 ECTS credits at Level 9 on the National Framework of Qualifications (NFQ).

Programme overview

This stand-alone Level 9 Diploma programme has been designed to specifically address gaps in knowledge, skills and behaviours across technology management, business acumen and engineering execution. The CPD Diploma programme is delivered on a part-time basis involving classroom sessions, project work, assignments, research and workplace mentoring. The major building blocks en route to high-level engineering competence are covered across five core modules over a 12-month period. These five core modules are delivered via 11 module components which are supplemented with post component assignments. The programme is rounded out by the inclusion of a team project that spans the duration of the programme.

Entry requirements

Applicants are required to have a minimum of three years' relevant work experience in an engineering-led environment and to be in relevant full-time or part-time employment. All applicants must be members of Engineers Ireland and hold a minimum qualification of an NFQ Level 8 Honours Degree in Engineering (or equivalent).

Team project

The CPD Diploma Team Project involves teams of participants choosing a real-world challenge from one of their organisations and presenting a project solution/recommendation based on team research and analysis to a judging panel of personnel from DIT and Engineers Ireland. This team project develops the skills of research and enquiry in order to enable learners to generate, evaluate and select ideas which demonstrate the role of a professional engineer in business and strategy formulation.

Programme module components

Module codes and titles	Module components	ECTS Credits
PPP1: Engineering project management	<ul style="list-style-type: none"> - Project management 1 - Project management 2 	5 ECTS
PPP2: Effective leadership: Analysis to action	<ul style="list-style-type: none"> - Statistical analysis - Leadership & management skills - Negotiation & influencing skills 	5 ECTS
PPP3: Lean principles, contract delivery and resilience management for engineers	<ul style="list-style-type: none"> - Lean principles for professional engineers - Contracts, claims and dispute resolutions - The resilient mind at work 	5 ECTS
PPP 4: Finance, risk analysis and advanced presentation skills	<ul style="list-style-type: none"> - Communication and presentation skills - Finance for professional engineers - Risk management 	5 ECTS
PPP 5: Strategic execution - Team project	<ul style="list-style-type: none"> - Research & analysis - Self-directed teamwork - Final project paper and presentation 	10 ECTS

Project management professional (PMP) qualification:

All Diploma participants will complete 35 hours of formal project management education, which is a prerequisite to sit the Project Management Professional Certificate exam in order to achieve the internationally recognised title of Project Management Professional (PMP).

Testimonials

The CPD Diploma in Professional Engineering is structured very well, with a nice balance between lecture presentations and group activity. The quality of the tutoring is first class, with all of the modules delivered by experts from different fields. By covering a broad set of soft skills the CPD Diploma programme has greatly impacted my career. The skills and knowledge I have gained from the course have really allowed me to add value back to my employer in my current role. I would highly recommend it to young engineers who are ambitious for their career.

Dave Linehan, Chartered Engineer, Senior Lead Engineer, EirGrid

I found the CPD diploma excellent value for money. The teachers and staff at Engineers Ireland were very helpful and I thoroughly enjoyed the yearlong course. It was an opportunity to meet fellow engineers of my age and of different fields. It was a chance to discuss various topics and subjects. It developed my communication skills and confidence and I feel it added a great deal of strength to both my CV and to my working career.

Sarah Mackle, Project Engineer, Midland Automation Technology Ltd

I found the learning contracts to be hugely beneficial in integrating what I learned in the classroom into my engineering career, which helped me to produce much more efficient work systems that produce higher quality products for my company. It was also very useful to be able to look back at my learning contracts when I was writing my application to become a Chartered Engineer.

Graham Cullen, Oceanographic Engineer, TechWorks Marine

The CPD Diploma in Professional Engineering programme was a good gateway for applying for Chartered Engineer title and as a whole gave me a great opportunity to deepen my knowledge and enhance my competencies as an engineer. It provided me with a channel of information on how to become a proficient project manager, helping me arrange my knowledge in a more structured way. The programme allowed me to deepen my understanding that project management is not just about technical proficiency but also appreciating the leadership skills required through mastering of soft skills such as presentation, communication, negotiation and people management skills.

Teresa Myskow-Sypniewska, Assistant Project Manager, National Treasury Management Agency (NTMA)

To view **full details** including entry requirements, please go to:



engineersireland.ie/cpddiploma



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