



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin



**E3** Engineering  
Environment  
Emerging Technologies

Balanced solutions  
for a better world

[www.tcd.ie/civileng/programmes/postgraduate/diploma/](http://www.tcd.ie/civileng/programmes/postgraduate/diploma/)



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Course Start Date  
September 2021



**Postgraduate Diplomas  
from the School of Engineering**

Balanced  
solutions for a  
better world

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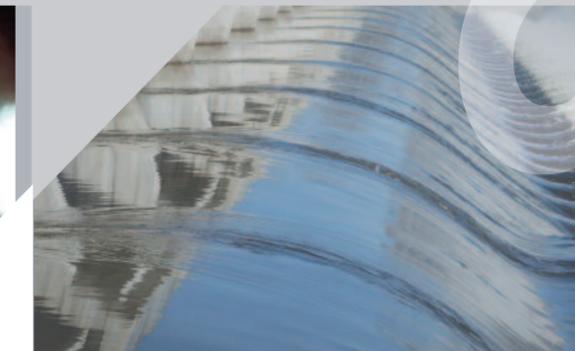


- ▶ Postgraduate Diploma **in Engineering for Climate Action**
- ▶ Postgraduate Diploma **in Environmental Monitoring, Assessment and Engineering**
- ▶ Postgraduate Diploma **in Sustainable Energy**
- ▶ Postgraduate Diploma **in Applied Building Repair and Conservation**
- ▶ Postgraduate Diploma **in Fire Safety Practice**
- ▶ Postgraduate Diploma **in Construction Law and Contract Administration**
- ▶ Postgraduate Diploma **in Health and Safety in Construction**
- ▶ Postgraduate Diploma **in Project Management**



# Postgraduate Diploma in Engineering for Climate Action

<https://www.tcd.ie/civileng/Engineering-for-Climate-Action/>



## Programme Overview

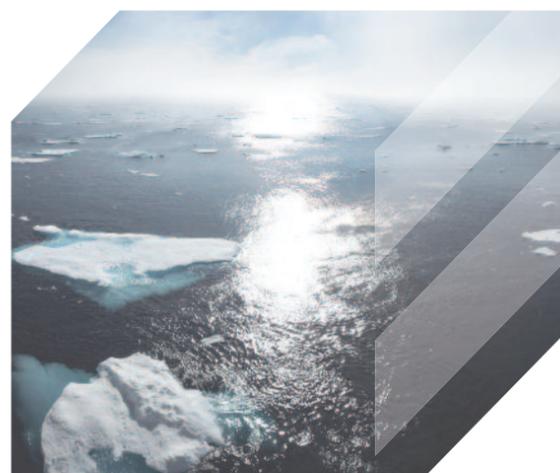
This Postgraduate Diploma (Level 9) offers a unique opportunity to attain new knowledge and experience to effectively respond to the climate and biodiversity emergency and make a sustainable impact at an individual, organisational and national level.

The blended-learning programme targets individuals who have recently taken up, or wish to transition into, positions with responsibility for sustainability and climate action initiatives, either within an existing organisation or as part of a newly formed company delivering organisational support in this area. The course is positioned within the climate change – circular economy nexus and will help define balanced solutions to support a secure and low-carbon energy future, whilst maximising the value in the life cycle of finite global resources from efficient consumption through to environmental management.

The primary goal of the programme is to develop graduates with complementary technical and non-technical skills achieved through experts from engineering, business and psychology providing unique contributions to the programme. This will represent a core focus of the programme, to support climate action measures that go beyond the status quo in key areas of energy and resource pathways in transport, buildings and industry through informed innovative actions. It will support the creation of a low-carbon and resource efficient society.

## Why Trinity?

You can become an E3 (Engineering, Environment, and Emerging Technologies) graduate from Trinity, supporting a vision of a society where the interdependence between technological innovation and our natural capital is advanced by world-leading research, education and entrepreneurship. You will share an experience of having learnt and worked in a multidisciplinary environment, been educated by world-leading experts in areas of their specialisation and benefitted from best-in-class pedagogy. You will attain a future-proofed qualification to enable you to support a societal transition to live on this planet in a way that is sustainable and equitable.



## Programme Content

This full-time blended-learning<sup>1</sup> course is comprised of six modules, totalling 60 ECTS and delivered over an 8-month (September-April) or 2-semester period.

- Sem 1 (Online): The Sustainable Green Organisation
- Sem 1 (Face-to-face): Entrepreneurship for Climate Action
- Sem 1&2 (Blended) Climate Action Project
- Sem 1&2 (Blended) Energy Management and Efficiency
- Sem 2 (Blended) Life Cycle Assessment for Engineering Practice
- Sem 2 (Blended) Engineering for the Environment

It will be delivered by academic and industry experts from engineering, business and psychology. The programme will be delivered out of standard working hours (a combination of week-day evenings and Saturday mornings), with the majority of the programme participation offering in person or virtual learning options.

## Admission Requirements

The postgraduate diploma is open to those with:

- Level 8 honours degree (180 ECTS) in a STEM, architecture, or cognate discipline
- A demonstrated aspiration to pursue a role in sustainability and climate action

<sup>1</sup> Blended learning includes a mix of module delivery methods, either (i) Online with no face-to-face option, (ii) Blended with live face-to-face sessions and simultaneously online access and recording, and (iii) face-to-face only.

- 2-page Curriculum Vitae (CV)
- 1-page letter of motivation
- Two references (uploaded signed letters)

## Application Details

If you wish to become a climate action leader by attaining new knowledge, professional skills and an engineering qualification, then this programme will support this ambition. This course will provide you with the ability to address climate action through multidisciplinary challenges to effectively address climate action with confidence. Visit <https://www.tcd.ie/courses/postgraduate/faculty/> to apply today.

## Contact Details

Course Director:  
**Dr John Gallagher** (J.Gallagher@tcd.ie)

Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

## Programme weblink

<https://www.tcd.ie/Civileng/Engineering-for-Climate-Action/>

# Postgraduate Diploma in Environmental Monitoring, Assessment & Engineering

<https://www.tcd.ie/civileng/diploma-in-environmental-engineering/>



## Programme Overview

This Postgraduate Diploma (Level 9) is a one-year part-time<sup>1</sup> course to provide engineers and other suitably qualified graduates with an understanding of current practice in environmental monitoring and analysis, and the role of engineering design for pollution mitigation. Due attention is given to the regulatory setting relevant to both the built and natural environments.

The blended-learning<sup>2</sup> programme is aimed at professionals working in the environmental and applied science sector, including engineers, architects, quality assurance managers and environmental assessors. This course has been designed to provide graduates with an appreciation and understanding of the many different aspects involved in the control of emissions and the management of a sustainable environment. This blended learning course has been approved by Engineers Ireland as meeting its requirements for continuing professional development.

## Why Trinity?

The Graduate School of Professional Engineering Studies have offered a number of varied and interesting part-time diploma courses for more than 25 years. The programme is delivered by a mix of leading academics and external professional experts from engineering consultancies, contractors and government agencies who are involved in

environmental engineering to support a sustainable environment. The range of expertise covers both the fundamental and practical aspects of environmental monitoring, assessment and engineering.

You can become an E3 (Engineering, Environment, and Emerging Technologies) graduate from Trinity, supporting a vision of a society where the interdependence between technological innovation and our natural capital is advanced by world-leading research, education and entrepreneurship. This programme will enhance your passion, motivation and curiosity of environmental engineering, and will challenge you through your learning experiences.

## Programme Content

This part-time blended-learning Diploma is comprised of three modules, totalling 45 ECTS, over the two semesters.

- M1: Environmental Concepts and Regulation
- M2: Environmental Engineering and Design
- M3: Environmental Engineering Projects

The two taught modules (M1&M2), each worth 15 ECTS, are spread over two semesters, and one coursework module (M3), also worth 15 ECTS, which consists of a number of assignments each relevant to the subject matter of the different environmental topics on the course.

The topics covered in this course include (\*denotes M3 coursework):

- Waste Management & Contaminated Land
- Environmental Impact Assessments\*
- Environmental Risk Evaluation
- Hydrology and hydrogeology\*
- Environmental Legislation
- Noise Pollution\*
- Air Quality\*
- Renewable Energy
- Sustainability Metrics
- Water and Wastewater Treatment\*
- Life Cycle Assessment and the Circular Economy\*

Lectures for the two taught modules are delivered on Friday evenings and Saturday mornings, with examinations at the end of the second semester.

## Admission Requirements

The postgraduate diploma is open to those with:

- Level 8 honours degree (180 ECTS) in a STEM, architecture, quality assurance managers, environmental assessors, or cognate discipline
- An aspiration to pursue a career in environmental assessment or enforcement
- 2-page Curriculum Vitae (CV)
- 1-page letter of motivation
- Two references (uploaded signed letters)

## Application Details

If you wish to attain new knowledge and professional skills in the area of environmental monitoring, assessment and engineering, then this programme will support this ambition.

This course will provide you with the opportunity to create new job opportunities as well as help you to gain an engineering qualification. Visit <https://www.tcd.ie/courses/postgraduate/faculty/> to apply today.

## Contact Details

Course Director:  
**Dr John Gallagher** (J.Gallagher@tcd.ie)

Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

## Programme weblink

<https://www.tcd.ie/Civileng/Diploma-in-Environmental-Engineering/>

<sup>1</sup> The programme is delivered over two 12-week terms (September to April) on Friday evenings (7.00pm-10.00pm) and Saturday mornings (09.30am-12.30pm).

<sup>2</sup> Blended learning offers live face-to-face sessions and simultaneously online access for remote learning.

# Postgraduate Diploma in Sustainable Energy

<https://www.tcd.ie/civileng/diploma-in-sustainable-energy/>

## Programme Overview

This one-year postgraduate (level 9) course is designed to provide engineers, architects and other suitably qualified professionals with a good understanding of energy management and efficiency as well as sustainable energy generation. The course will advance knowledge in efficiency techniques, sustainable energy technologies and energy management systems and strategies. It will include theory and practice along with economics, current legal requirements and standards. This blended learning programme will be of particular interest to those already in employment as part of ongoing professional training as well as leading to the widening of new job opportunities for its graduates.

## Why Trinity?

You can become an E3 (Engineering, Environment, and Emerging Technologies) graduate from Trinity, supporting a vision of a society where the interdependence between technological innovation and our natural capital is advanced by world-leading

research, education and entrepreneurship. You will share an experience of having learnt and worked in a multidisciplinary environment, been educated by world-leading experts in areas of their specialisation and benefitted from best-in-class pedagogy. You will attain a future-proofed qualification to enable you to support a societal transition to live on this planet in a way that is sustainable and equitable.

## Programme Content

This part-time blended-learning<sup>1</sup> course is comprised of three modules, totalling 60 ECTS and delivered over an 8-month (September-April) or 2-semester period.

<b>Module 1:</b>	<b>Energy management and efficiency (20 ECTS)</b>
<b>Module 2:</b>	<b>Sustainable energy technologies (20 ECTS)</b>
<b>Module 3:</b>	<b>Sustainable energy project (20 ECTS)</b>

It will be delivered by academic and industry experts. The course schedule and blended-learning format of this course will provide flexibility for students to participate in the course out of standard working hours, with the majority of the programme participation offering in person or virtual learning options.

## Admission Requirements

The postgraduate diploma will be open to those with:

- Level 8 honours degree (180 ECTS) in an engineering or cognate discipline
- 2-page Curriculum Vitae (CV)
- 1-page letter of motivation
- Two references (uploaded signed letters)

## Application Details

Visit <https://www.tcd.ie/courses/postgraduate/faculty/> to apply today.

## Contact Details

Course Director:  
**Sarah McCormack** (mccorms1@tcd.ie)

Course Administration:  
**Mary Keating** (Mary.B.Keating@tcd.ie)  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)

## Programme weblink

<https://www.tcd.ie/Civileng/Diploma-in-Sustainable-Energy/>



<sup>1</sup> Blended learning includes a mix of module delivery methods, either (i) Online with no face-to-face option, (ii) Blended with live face-to-face sessions and simultaneously online access and recording, and (iii) face-to-face only.

# Postgraduate Diploma in Applied Building Repair and Conservation

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-ABRC-1P09>



## Programme Overview

**1 Year/ Part Time/ 15 Places**

This postgraduate course is designed to provide a solid knowledge of materials and built fabrics, both modern and traditional, the causes and mechanisms of failure and the traditional as well as the most advanced ways to repair and preserve them. In addition, on completion of the Diploma, the student is expected to successfully complete a research project and produce specifications for conservation work. The student is expected to develop an understanding of how to manage a conservation project.

This course has been approved by Engineers Ireland as meeting its requirements for continuing professional development. It is recognised by the RIAI (Royal Institute of the Architects of Ireland) in connection with the RIAI Conservation Accreditation System.

The award of a Postgraduate Diploma in Applied Building Repair and Conservation is based on a combination of the results of two examination papers and an individual research project. Each paper constitutes one third and the project the remaining third of the overall assessment. Students must pass each paper and the project. There is no system of compensation. A Distinction is awarded to those who obtain an overall average mark of 70% or more at the summer examinations.

## Programme Content

The course comprises approximately 86 hours of core lectures, 18 hours of practical lectures and case studies, 18 hours of laboratory work and 9 hours of site visits. These are normally held on Friday 7-10 p.m. and Saturday 9.30 a.m.-12.30 p.m. each week throughout the two semesters (September to April). In addition, the student, working individually, shall complete a research project. The annual examination will be held in April, with a supplemental examination in August.

### Content:

- Research and Documentation.
- The Built Heritage. Archaeology. Vernacular Architecture. Legislation.
- Building Surveying and Recording. BIM for Historic Structures.
- Building Stone. Ceramics. Metals. Timber. Thatch and Mudwall.
- Building Limes and Cements. Concrete.
- Heat and Moisture. Retrofitting for Energy Performance.
- Construction Technology and Project Management. Repairs. Case Studies.
- Structural Damage. Repairs to Masonry Fabrics and Building Elements. Structural Case Studies.
- Research project.

## Admission Requirements

Level 8 honours degree (180 ECTS) in engineering, architecture, surveying or any other related discipline.

## Application Details

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-ABRC-1P09>

## Contact Details

Course Director:  
**Dr Sara Pavia** (pavias@tcd.ie)

Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

<https://www.tcd.ie/Civileng/Diploma-in-Applied-Building-Repair-and-Conservation/>

## Programme weblink

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-ABRC-1P09>



# Postgraduate Diploma in Fire Safety Practice



<http://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-FSPR-1P09>

## Programme Overview

The Postgraduate Diploma course in Fire Safety Practice at the Department of Civil, Structural and Environmental Engineering is an exciting one-year postgraduate course that will greatly enhance your knowledge of fire safety in buildings and help you progress in your career in this area.

The course is designed to enable engineers, architects, fire prevention officers and other suitably qualified professionals working in the construction industry acquire a sound knowledge and understanding of fire in buildings and the requirements and options available for the design of buildings against fire.

This course is supported by the Chief Fire Officers Association, recognised by the Institution of Fire Engineers for membership of the IFE and approved by Engineers Ireland for 20 hours of continuing professional development (CPD) out of the annual requirement of 35 hours for Chartered Membership. The course lecturers include acknowledged experts in design against fire from engineering consultancies, contractors, government departments and local authorities.

### Fire Safety Practice in changing and challenging times

The whole area of Fire Safety Practice has never been more relevant. In addition to changing building design practices, evolving and fire regulations, there are a whole range of societal and global issues that are challenging our approach to the built environment and that will demand innovative thinking including:

- **Grenfell:** the need to carefully consider building material and egress in all buildings

- **Covid-19:** rethinking towns and cities, more working from home, conversion of office blocks to residential and other uses
- **Climate change:** climate chaos, natural disasters, and other climate impacts that will affect the built environment
- **Ageing population:** a larger percentage of our population who may be more vulnerable in terms of fire or emergency egress

These issues and any other challenges coming down the line will require highly educated fire safety experts, and your journey can start with this course!

## Programme Content

This diploma is a one-year part-time postgraduate course designed to enable engineers, architects, fire prevention officers and other suitably qualified professionals already working full-time in the construction industry in Ireland to acquire a sound knowledge and understanding of fire in buildings, the safety requirements in the design of buildings and the various options available for minimising the risk of fire in buildings.

The diploma consists of two taught modules and one coursework module and is worth 45 ECTS (European Credit Transfer and Accumulation System)

The two taught modules, each worth 15 ECTS, are spread over the two lecture terms, and the one coursework module, also worth 15 ECTS, consists of a project on methods of protecting structures against fire (1/3 weighting) and a project on demonstrating compliance with the requirements of the Building Regulations (2/3 weighting).

## Lecturers

The lectures and projects are delivered by experienced practitioners and academics including the following:

- Fire Safety Engineer
- Structural Engineer
- Local Government Fire Officer
- Fire Advisor from the Department of Housing, Planning and Local Government
- Architect
- Legal profession
- Electrical Engineer
- Health & Safety Authority
- Fire Safety Consultant
- Building Services Engineer
- Universal Access/Egress Designer
- Fire Investigator

## Lecture Programme

Lectures are held on Friday evenings and Saturday mornings from October to late April, with examinations in May. Students should note that the academic year in Trinity is made up of two 12-week semesters in the Michaelmas and Hilary terms.

## Course Modules and Syllabus

### Module 1 Fire Safety Engineering

- Fundamentals of Fire Science and Fire Engineering
- Fire Safety Engineering
- Fire Protection Systems

### Module 2 Fire Safety Legislation and Regulations

- Legal Principles, Fire Safety and Health Legislation, Insurances
- The Building Control Act, 1990 and Building Regulations (TGD B)
- The Fire Services Acts, 1981 and 2003
- Fire Service Operational Procedures

### Module 3 (Coursework module) Fire Safety Practice Coursework Assignments

- Substantial project on methods of protecting structures against fire
- Substantial project on demonstrating compliance with the requirements of the Building Regulations.

## Admission Requirements

Diploma Entry Requirements:

- The admission requirement is a Level 8 (honours) degree in Civil Engineering or another construction-related discipline.
- Applicants with level 7 may be called for interview at the discretion of the Course Director and if successful, an offer of a place on the course would be subject to the Dean of Graduate Studies' approval.

## Application Details

An application can be made online via:  
<http://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-FSPR-1P09>

## Contact Details

Course Director:  
**Tom Grey** (tom.grey@tcd.ie)

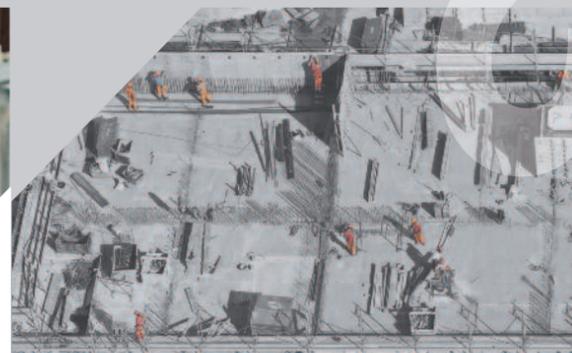
Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

## Programme weblink

<http://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-FSPR-1P09>

# Postgraduate Diploma in Construction Law and Contract Administration

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-CLCA-1P09>



## Programme Overview

This one-year postgraduate course is designed to enable civil engineers, and other suitably qualified professionals, such as architects, quantity surveyors and lawyers, to acquire a knowledge of construction law. This course has been approved by Engineers Ireland as meeting its requirements for continuing professional development. Students successfully completing the programme will be eligible for exemption up to membership level of Chartered Institute of Arbitrators (CI Arb) in London.

Successful completion of this course fulfils the IEI criterion No. 3.4 (b) (demonstrating adequate knowledge of Law and Contract Procedure) for admission to the IEI List of Conciliators (Conciliation Procedure 2000).

## Programme Content

Course Topics include: Introduction to Legal Systems and Methods; the Irish litigation process; the law of evidence; The Law of Tort; The Law of Contract; Contracts in construction – procurement methods, engineering and building contracts, tenders; Contracts in construction – claims, insurance, subcontracts; case law; public procurement; contracts for other professions; Risk and insurance; sureties; statutory duties; professional relationships, duties and liabilities; Methods of dispute resolution.

Lectures are held on Friday evenings and Saturday mornings from mid-September to April, with examinations in April/May. Coursework must also be completed during the year.

Two formal examinations and course work will complete the examination process on which the grade result will be determined.

**Lecturers:** Professor Nael G. Bunni and Dr N. Harty (Course Director) supported by lecturers drawn from the legal and engineering professions.

## Admission Requirements

Entry Requirements: A Level 8 honours degree in Engineering or related subject, or a suitable professional qualification (B.Sc. Surveying will be considered if the candidate is working in an engineering environment).

Please note that the number of places on this Diploma course is limited, and applications are assessed based on academic qualifications, together with the number of years of relevant post-graduation experience, plus professional references. Where possible, we aim to achieve a balance between the different construction professions on the course. If an applicant is put on the waiting list for the course, and a place does not come available, he/she will be given priority in the allocation of places in the following year, subject to all the basic requirements being met.

## Application Details

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-CLCA-1P09>

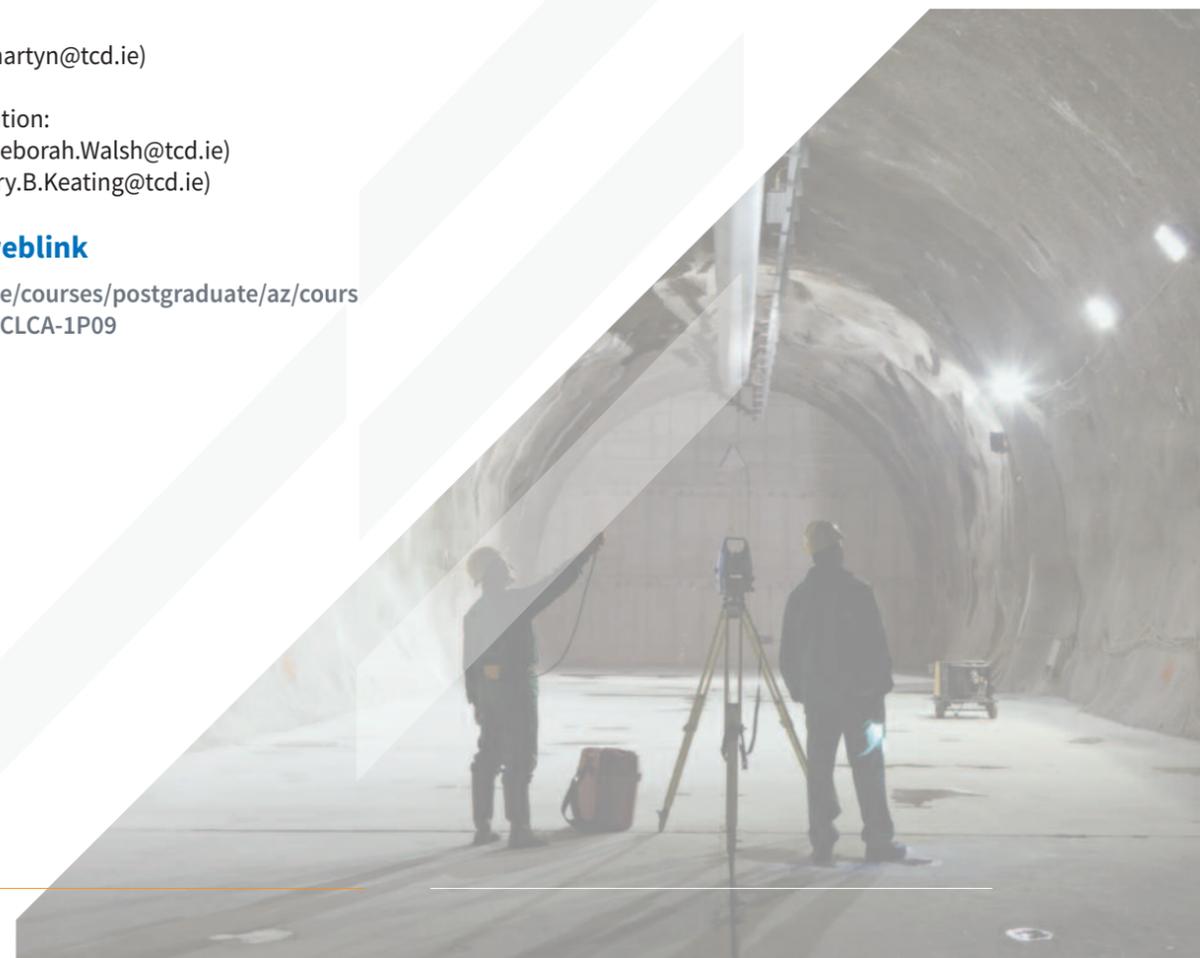
## Contact Details

Course Director:  
**Dr Niamh Harty** (hartyn@tcd.ie)

Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

## Programme weblink

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-CLCA-1P09>



# Postgraduate Diploma in Health and Safety in Construction

▶ <https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-HSCO-1P09>



## Programme Overview

This one-year postgraduate course is designed to enable Civil and Structural Engineers, Architects, Project Managers, Contract Managers, and other construction professionals to become familiar with the latest developments in Health and Safety legislation and practice. In addition, the course will provide them with the knowledge necessary to perform the roles of Project Supervisor Design Process, Project Supervisor Construction Stage, Health and Safety Coordinator, Safety Advisor, and Safety Officer. In general, the issue of Health and Safety related competency in design and on construction sites is comprehensively dealt with in this programme. Risk Management is a major element of the course. The course has been accredited by IOSH and students successfully completing the programme will be eligible to apply for graduate level membership of IOSH. It is also approved for CPD by Engineers Ireland.

## Programme Content

Course topics include: Health and Safety Legislation and Framework; Risk Management for Design and Construction; Construction Regulations; Other relevant legislation; Health and Safety Training; Health and Safety Management; Safety Statements for employers; Regulations and Controls for Physical and Chemical Agents; Health and Welfare issues.

Lectures are held on Friday evenings and Saturday mornings from mid-September to April, with examinations in April/May. Coursework must also be completed during the year.

Two formal examinations and course work will complete the examination process on which the grade result will be determined.



## Lecturers

The lecturers on the course come from public and private sector institutions. They include:

**Niav O'Higgins, Partner, Arthur Cox Solicitors**  
**Paula Gough, Health & Safety Authority**  
**Brian Byrne, IT Carlow**  
**Ian Anderson, Arup**

## Admission Requirements

The entry requirement is an honours degree (Level 8 on NQFI) in Engineering or another construction-related discipline. Applicants with significant relevant experience, but without the required academic qualifications, may be accepted on to the course following a successful interview.

## Application Details

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-HSCO-1P09>

## Contact Details

Course Director:  
**Dr Niamh Harty** (hartyn@tcd.ie)

Course Administration:  
**Deborah Walsh** (Deborah.Walsh@tcd.ie)  
**Mary Keating** (Mary.B.Keating@tcd.ie)

## Programme weblink

<https://www.tcd.ie/courses/postgraduate/az/course.php?id=DPDEG-HSCO-1P09>

# Postgraduate Diploma in Project Management

<https://www.tcd.ie/civileng/diploma-in-project-management/>



## Programme Overview

This Postgraduate Diploma course in Project Management (Level 9) course aims to provide engineers and other suitably qualified graduates with a good appreciation and understanding of the many different aspects involved in the management of civil engineering and construction projects. Many of the topics covered are generic and hence the course is also relevant to those involved in the management of projects in other sectors.

This course is approved by Engineers Ireland for 20 hours of continuing professional development (CPD) out of the annual requirement of 35 hours for Chartered Membership.

## Why Trinity for your Project Management qualification?

Obtaining the Project Management postgraduate diploma you can become an E3 (Engineering, Environment, and Emerging Technologies) graduate from Trinity. The postgraduate diploma in Project Management at TCD has a proven track record, running successfully for over 40 years and has kept pace with front line developments in this niche area over that time. The course will provide you with the opportunity to be taught by Industry experts and to establish good networks and connections within the industry. You will attain a practical, well established,

highly regarded qualification to enable you to manage projects in your industry, with a particular focus on the construction sector but applicable to other areas.

## Programme Content

The course runs over an 8 month period (September April) on Friday evenings and Saturday mornings and is comprised of two taught modules and one coursework module, each of 15 ECTS and totalling 45 ECTS.

One ECTS credit unit is defined as 20-25 hours of student input so the 15 ECTS credit modules on this course will require 300-375 hours of class contact time and self-study. Since the contact hours for each module are about 65 hours, this implies an additional 4 hours private study for each hour of lecture.

Lectures are held in the Museum Building at Trinity unless noted otherwise. Some computer component sessions may take a blended learning approach being held online. The two taught modules and the coursework module are all spread over Semesters 1 and 2. The topics covered by the two taught modules and the two assignments in the coursework module are as follows:

### Module 1 Project Management Practice (15 ECTS)

- Principles and Practice of Project Management
- Contracts, tendering procedures, BCAR and Insurances
- Legal Principles and employment legislation

### Module 2 Project Management Systems (15 ECTS)

- Project and Commercial Finance and Cost Control
- The Computer and IT in Project Management
- Leadership, Human Resources, Change Management and Health and Safety

### Module 3 Project Management Coursework (15 ECTS)

- Research Report
- Computer Component (possibly blended learning)

## Admission Requirements

The postgraduate diploma will be open to those with:

- Level 8 honours degree (180 ECTS) in a STEM, architecture, or cognate discipline
- A demonstrated management role within their company/industry with at least two years' experience.
- 2-page Curriculum Vitae (CV)
- 1-page letter of motivation
- Two references (uploaded signed letters)

## Application Details

If you wish to enhance and develop your project management skills in a short space of time, then this programme will support this ambition.

Visit to apply today.

<https://www.tcd.ie/courses/postgraduate/faculty/>

## Contact Details

Course Director:

**Dr David O'Connell** (David.OConnell@tcd.ie)

Course Administration:

**Debbie Walsh** (walshd@tcd.ie)

**Mary Keating** (makeatin@tcd.ie)

## Programme weblink

<https://www.tcd.ie/civileng/diploma-in-project-management/>



## What is E3?

### What is E3?

E3 is a radically new type of collaboration between the Schools of Engineering, Natural Sciences, and Computer Science & Statistics. The expansion of education and research across these Schools is being executed as a single strategic activity in the area of Engineering, Environment, and Emerging Technology – or E3.

E3 builds on Trinity's history of research-led teaching: students at Trinity learn from outstanding scientists and engineers at the forefront of their field. The challenge-oriented nature of the E3 research mission will be mirrored in the E3 educational experience and student learning, particularly project-based learning, will be contextualised by the societal challenges being addressed in research.

E3 is founded on rigorous academic and professional training: students will graduate from their chosen specialism with deep technical knowledge, world class skills, and internationally recognised accreditations. Graduates will be able to work at multiple levels of detail and abstraction, comfortable working in both practical and theoretical contexts.

E3 prepares students to adapt to constantly changing environments: through innovative curricula, new courses, teamwork and project-based learning students will develop as strong communicators, able to make informed and ethical decisions that balance technical, social and environmental considerations.

Discover more [www.tcd.ie/e3](http://www.tcd.ie/e3)



# E3 TECHNOLOGICAL ADVANCEMENTS

