



Waterford Institute of Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

UNDERGRADUATE

BSc (Honours) in LEVEL 8 Construction Management & Engineering

Department of Construction and Civil Engineering

CODE: WD025



This programme prepares students for responsible engineering and management roles in all phases of construction projects. It emphasises management, engineering and technological techniques useful in organising, planning and controlling the activities of diverse specialists working in the project environment of the Irish and international construction industry.

www.wit.ie/construction

BSc (Hons) in Construction Management & Engineering

What is the BSc (Hons) in Construction Management & Engineering?

The BSc (Hons) in Construction Management & Engineering is a four year course that prepares graduates for a career as professional construction managers and engineers in the Irish and worldwide construction industry.

Course Outline

Semester 1	Semester 2
Construction Measurement Introduction to Management Mathematics Construction Technology Introduction to ICT Communications & Study Skills	Construction Economics Management Studies Theory of Structures Engineering Services Intro to Construction Materials Introduction to CAD
Semester 3	Semester 4
Introduction to Construction Law Introduction to Project Management Soils Engineering Construction Methods Services Technology Elective	Tendering & Estimating Operations Management Design of Structures Introduction to Surveying Integrated Project Elective *
Semester 5	Semester 6
Engineering Structure Site Surveying Construction Tech Systems Construction Health & Safety Measurement & Costing Elective	Research Methods Industrial Placement
Semester 7	Semester 8
Construction Law Project & Corporate Management Temporary Works Design Services Tech & Integration Dissertation, Industrial Placement 2	Development Economics Marketing & Finance Quality & HRM Innovative Technology Dissertation Elective

Industrial Placement

Each student is required to complete a 30-week paid industrial placement (some overseas placements) with a company in the second period (February to September) of the third year. The companies comprise general contractors in civil engineering, building and residential property, project management companies, specialist contractors, and engineering design offices and materials manufacturers.

What career opportunities are available on completion of the course?

- Project Management
- Construction Engineering
- Design & Build
- Facilities Management
- Property Development
- National & International Projects
- Business Development

Follow on Study

MSc in Construction Project Management

Accredited by

**CIOB – Chartered Institute of Building
EI – Engineers Ireland**



Course Entry

BSc (Hons) in Construction Management & Engineering

2011 CAO Points -320

Course Code: WD025

Course Level: 8

Duration: 4 years

Leaving Certificate:

Total number of subjects at grade D or better: 6

Number of subjects at higher level grade C or better: 2

Required Subjects:

English/Irish: OC3/HD3

Mathematics: OB3/HD3

CONTACTS

Programme Director

Dr. Brian Graham

Head of Department

Dr. Ken Thomas,
Construction & Civil Engineering
Waterford Institute of Technology
Waterford

Tel: 051 302084

Email: bgraham@wit.ie

Website: www.wit.ie/construction