



Waterford Institute of Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

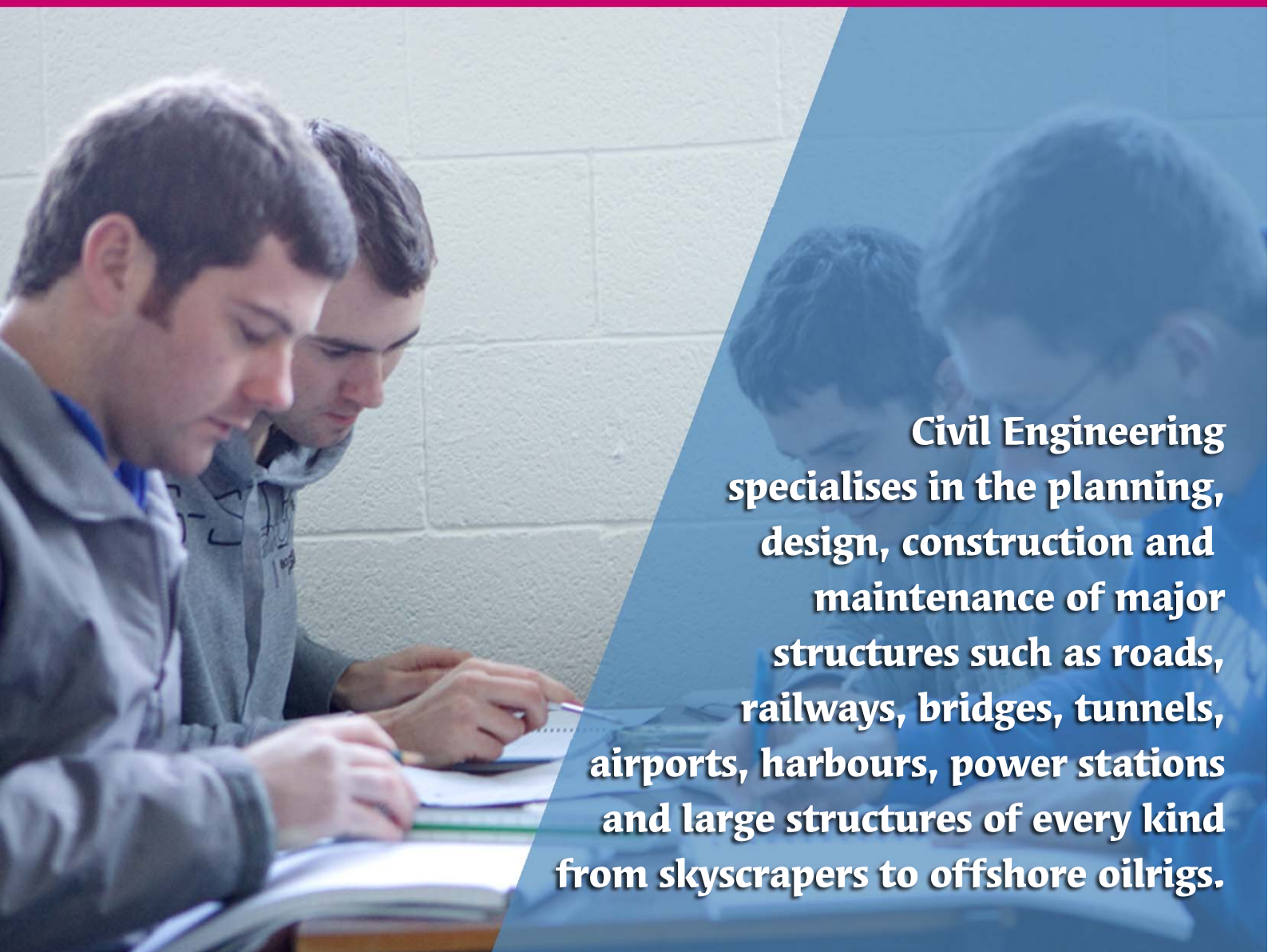
UNDERGRADUATE

LEVEL **7**

BEng in Civil Engineering

Department of Construction and Civil Engineering

CODE: WD139



Civil Engineering specialises in the planning, design, construction and maintenance of major structures such as roads, railways, bridges, tunnels, airports, harbours, power stations and large structures of every kind from skyscrapers to offshore oilrigs.

BEng in Civil Engineering

What is the BEng in Civil Engineering?

The BEng in Civil Engineering is a three-year degree course, which prepares graduates to find employment as civil engineering technicians in the civil engineering sector. Many graduates go on to further their qualifications, specifically the BEng in Sustainable Civil Engineering.

Course Outline

Semester 1	Semester 2
Surveying 1 Civil & Structural Graphics Civil Engineering Maths 1 Statics & Dynamics Civil Engineering Technology Communications & Study Skills	Surveying 2 Civil Engineering CAD Civil Engineering Maths 2 Structural Mechanics Materials Technology 1 Engineering Science
Semester 3	Semester 4
Soil Mechanics Civil Engineering CAD 2 Civil Engineering Maths 3 Design of Structures 1 Management for Civil Engineers Intercultural Communications Spanish A1 French B1.3	Surveying 3 Civil & Structural Draughting Fluid Mechanics Design of Structures 2 Construction Health & Safety Cultural Diversity Management Spanish A2 French B1.4
Semester 5	Semester 6
Advanced Surveying Research Skills Civil Engineering Maths 4 Structural Analysis & Design 1 Materials Technology 2 Management for Civil Engineers 2 Spanish B1.1 French B2.1	Advanced Civil Engineering CAD 3 Project Environmental Engineering 2 Structural Analysis & Design 2 Civil Engineering Construction Civil Engineering Maths 5

What career opportunities are available on completion of the course?

Civil Engineering technicians find employment with:

- Local authorities
- Civil engineering contractors
- Consulting engineers
- Government departments

Follow on Study

BEng (Honours) in Sustainable Civil Engineering

BSc (Honours) in Construction Management and Engineering



Course Entry

Course Title: BEng in Civil Engineering
2011 CAO points: 215
Course Code: WD139
Course Level: 7
Duration: 3 years

Leaving Certificate:
Total number of subjects at grade D or better: 5

Required Subjects:
English/Irish: OD3/HD3
Mathematics: OD3/HD3

CONTACTS

Programme Director
Thomas O'Donoghue

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

Tel: 051 845512

Email: todonoghue@wit.ie

Website: www.wit.ie/construction