

# Innealtóireacht Shibhialta Civil Engineering

TU826

## Programme Description

The BE in Civil Engineering is a four year Honours degree programme. Students enter second year following completion of the common first year in Engineering (TU805).

## Career Opportunities

Civil engineers design and supervise the construction of a wide range of projects including buildings, roads, railways, tunnels, bridges, power stations, dams, water supply and sewerage systems. Civil engineering has many sub disciplines including Structural, Geotechnical, Environmental and Hydraulic Engineering. Civil Engineering graduates can expect a high-tech career with good salaries, good promotion prospects, and the chance to travel and work outdoors. Graduates have excellent employment prospects with Consulting engineering design offices contractors and local authorities.

## Progression

Graduates have access to a range of Masters (Level 9) and PhD (Level 10) degrees in TU Dublin and elsewhere in Higher Education. Graduates would be suited in particular to the ME in Sustainable Infrastructure offered within the school.



## Programme Outline

### Year Two

Mathematics, Mechanics of Materials, Surveying, Fluid Mechanics, Concrete Technology, Building Technology, Professional Development, Structural Analysis, Laboratory Work, Computing.

### Year Three

Mathematics, Structural Mechanics, Professional Development, Civil Engineering Hydraulics, Structural Design, Environmental Engineering, Geotechnical Engineering, Design Project, Highway Engineering, Laboratory Work.

### Year Four

Mathematics, Advanced Environmental Engineering, Hydraulic Structures, Civil Engineering Practice & Law, Construction Management & Economics, Structural Design, Civil Engineering Scheme Design, Project.

## Award

Honours Degree (Level 8)

## Entry requirements

Completion of TU805 (CAO 2019 400pts)

## Duration

3 Years (following completion of TU805)

## Location

TU Dublin Bolton Street

## Further Information

Dr. Niall Holmes, Assistant Head of School

~ +353 1 402 4039

~ niall.holmes@tudublin.ie

Ms. Caroline O'Dowd, School Administrator

~ +353 1 402 3711

~ caroline.odowd@tudublin.ie

