Civil and Environmental Engineering

BEng (Hons) in Civil Engineering

CAO Code: SG342  Award: Honours Degree  Level: 8

Course Description:
Civil Engineering is a dynamic industry aimed at creating, improving and protecting both the natural and built environment. Civil engineers design, build and maintain roads, railways, buildings, clean water supplies and waste-water treatment systems, as well as hydroelectric stations and wind farms.

The course is taught through a blend of formal lectures and relevant practical classes. The early part of the course develops an understanding of science and technology, the underlying principles of engineering. Students are then introduced to the core Civil Engineering areas of Structural, Hydraulic, Geotechnical and Highway Engineering. Industry important professional skills are practiced and developed throughout the duration of the course.

Career Opportunities:
Employment opportunities in Civil Engineering, though not as abundant as they were, will start to increase over the coming years, providing opportunities for new graduates in emerging technology areas such as sustainable construction, energy and the environment.

The programme is accredited as meeting the educational standard for Chartered Engineer Membership of Engineers Ireland in conjunction with our MEng in Civil Engineering programme. As a result of Engineers Ireland’s accreditation this qualification is recognised world-wide through the Sydney Accord including Australia, Canada, and United Kingdom, thus offering exciting opportunities for work and travel abroad.

Duration: 4 years

Course places: 32

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Studying at IT Sligo

IT Sligo is located in Sligo, which is known as one of Ireland’s best college towns, due to its lively atmosphere, sports and entertainment facilities, and its proximity to both sea and mountains.

We have excellent on-site sports facilities at IT Sligo, including playing pitches, an all weather running track, a fully equipped gym and a multi-purpose sports hall. In addition to sports, the hall is used for concerts, graduation ceremonies and other civic occasions. Outdoor activities include surfing, water-skiing sailing, fishing and mountaineering. Our GAA club has three All Ireland Higher Education titles, having won the Sigerson Cup three times in recent years.

Flexible contemporary programmes from higher certificate and degree level courses to taught postgraduate and research awards using both traditional and online delivery.
BEng in Civil Engineering

CAO Code: SG 338 Award: Ordinary Degree  Level: 7

Course Description:
Civil Engineering is a dynamic industry aimed at creating, improving and protecting both the natural and built environment. Civil Engineers design, build and maintain roads, railways, buildings, clean water supplies and waste-water treatment systems, as well as hydroelectric stations and wind farms.

The course is taught through a blend of formal lectures and relevant practical classes. The early part of the course develops an understanding of science and technology which are the underlying principles of engineering. Students are introduced to the core Civil Engineering areas of Structural, Hydraulic, Geotechnical and Highway Engineering. Industry relevant professional skills are practised and developed throughout the duration of the course.

Career Opportunities:
While employment opportunities in Civil Engineering are currently not as abundant as they once were, the construction industry will start to recover over the coming years and it is expected that there may be a shortage of graduates in this area at that point.

The programme is accredited as meeting the educational standard required for Associate Engineer Membership of Engineers Ireland. In this regard this qualification is recognised in many countries across the world through the Sydney Accord, offering exciting opportunities for work and travel abroad.

Graduates can progress to an honours degree in Civil Engineering at IT Sligo or elsewhere.

Duration: 3 years
Course places: 32

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BEng in Environmental Engineering

CAO Code: SG 335 Award: Ordinary Degree  Level: 7

Course Description:
Environmental engineering is a rapidly evolving and diverse area of engineering primarily focused on improving and protecting the natural environment, providing facilities for the supply, treatment and management of water, wastewater and solid wastes and the provision of sustainable systems. This new and innovative programme has been created to satisfy the current shortfall in Environmental Engineers in Ireland. It contains Civil and Environmental Engineering subjects including water and wastewater treatment, hydraulics, soil mechanics, geology, environmental management, waste management, environmental impact assessment, sustainable energy and environmental law.

The course will be delivered through a blend of formal lectures and practical classes. Key professional skills are continuously developed throughout the duration of the course.

Career Opportunities:
As a result of evolving environmental legislative requirements, there is currently a strong demand for qualified Environmental Engineers in Ireland and abroad. It is intended that the course will meet the educational standard required for Associate Engineer Membership of Engineers Ireland. The qualification will then be recognized in Australia, Canada, China, Hong Kong, New Zealand, South Africa, United Kingdom and the United States of America.

In addition graduates can progress to an honours degree in related disciplines within the IT Sligo or elsewhere.

Duration: 3 years
Course places: 32

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