



Ollscoil
Teicneolaíochta
an Atlántaigh

Atlantic
Technological
University

Advance your Career in Road & Transport Engineering

With ATU Sligo Online & Flexible Learning
(Formerly Online Learning at IT Sligo)

Ireland's recently expanded modern and comprehensive national, regional and local road network, both rural and urban, requires efficient operation and management proficiencies using sustainable and best practice techniques and methodologies to service this complex network and meet the needs of all road users and stakeholders.

ATU Sligo in collaboration with the Department of Transport and the Local Authority Services National Training Group developed this suite of programmes to meet the ongoing significant demand for post-graduate training for a substantial cohort of Level 8 degree qualified professional and graduate Civil Engineers. These programmes are available to the cohort of engineers who practice in the local authority public sector, National Road Design Offices and private sector consulting engineering firms who may require up-skilling in road and transport network management, maintenance, and road design and construction engineering. Forming part of this suite of programmes is our Certificate in Road Safety Audit and Engineering which we developed with Transport Infrastructure Ireland.

What will I learn?

Certificate in Road Safety Audit and Engineering - delivered part time and online through ATU Sligo by subject matter experts providing suitably qualified persons with the necessary training to gain on completion, a Certificate of Competence (CoC) in Road Safety Auditing to become a Road Safety Auditor.

Certificate in Engineering in Road Maintenance Engineering and Network Management – module topics include geotechnical engineering, transport planning, structural assessment and inspection of bridges, road pavement design and management, traffic control, road safety, and contracts and liabilities.

Certificate in Engineering in Bridge Engineering – module topics include geotechnical engineering, design of bridge structures and structural inspection and assessment of bridges.

Certificate in Engineering in Road Engineering and Design – the main aim is to provide specific learning relating to the engineering and design of public road and transportation schemes, facilities, and networks.

Postgraduate Diploma in / Master of Engineering in Road and Transport Engineering – this programme consists of two / three part-time on-line blended learning stages (years), with Stage 1 consisting of Semester 1 and 2, where the theme is road maintenance engineering and network management. Stage 1 is equivalent to the Certificate in Engineering in Road Maintenance Engineering and Network Management. In Stage 2 (Semester 3 and 4), the focus is on road design and construction. Learners can progress and complete Stage 3 which consists of the completion of a research dissertation and leads to an MEng.



Programmes

Certificate in Engineering in Road Safety Audit and Engineering

(Online with 2 workshops)
Level 9 / 1 Semester / 15 Credits

Certificate in Engineering in Road Maintenance Engineering and Network Management

(Online with 2 onsite workshops per semester)
Level 9 / 1 Year / 30 Credits

Certificate in Engineering in Bridge Engineering

(Online with 2 onsite workshops per semester)
Level 9 / 1 Year / 20 Credits

Certificate in Engineering in Road Engineering and Design

(Online with 2 onsite workshops per semester)
Level 9 / 1 Year / 30 Credits

Postgraduate Diploma in Engineering in Road and Transport Engineering

(Online with 2 onsite workshops per semester)
Level 9 / 2 Years / 60 Credits

Master of Engineering in Road and Transport Engineering

(Online with 2 onsite workshops per semester in years 1 & 2. Dissertation in year 3)
Level 9 / 3 Years / 90 Credits



Who should apply for these courses?

The aim of these programmes is to provide education opportunities and training in road and transport engineering to local authority engineers and engineering consultants and contractors working in the sector, so that they have the necessary skills to achieve responsible positions in the design, specification, supervision, construction, management, assessment and maintenance of road engineering schemes as well as in the solution of road engineering problems. The core aim of the programmes is to produce graduates that can operate in the public roads sector at a level of responsibility appropriate to the increasingly complex and technical nature of the roles of roads service engineers in the public service, private sector, and allied industries.

For those aiming towards Chartership with Engineers Ireland, our MEng in Road and Transport Engineering is the first online Level 9 masters to attain accreditation to chartered status in Ireland.

How will I learn?

Our suite of roads programmes is delivered part time and online with a focus on a flexible learning experience designed to suit you and your life. Typically, you can expect one hour of lectures per week per module, and these are usually delivered in the evening between 6pm and 10pm. All lectures are recorded so you can watch back at a time that is more convenient to you. The Level 6 programmes have 2 workshops per semester with the Level 9 having one per semester. These are held either on site at ATU Sligo or at another location e.g. a water treatment facility.

How do I apply?

For further information, visit www.atu.ie/sligoonline
ATU Sligo (formally Online Learning at IT Sligo)

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E: Brian McCann at admissions@itsligo.ie



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