



An Roinn Iompair
Department of Transport



Cumann Lucht Bainistíochta Contae agus Cathrach
County and City Management Association



ROADS Services Training Group

LOCAL AUTHORITY ROADS CONFERENCE and EXHIBITION - 2022

Radisson Blu Hotel & Spa, Sligo May 2022



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LOCAL AUTHORITY ROADS CONFERENCE and EXHIBITION – 2022

Part-time Postgraduate Online Programmes for Roads Services and Transport Engineers at ATU Sligo - Current Status and Future Plans

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Department of Civil Engineering & Construction
Atlantic Technological University Sligo (formerly IT Sligo)



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Part-time Postgraduate Online Programmes for Roads Services and Transport Engineers at ATU Sligo - Current Status and Future Plans

Presentation Outline:

1. Introduction to Online & Flexible Learning at ATU Sligo
2. Online Programmes – Civil Engineering & Construction
3. Road and Transport Services Programmes
4. Entry Requirements & Application Process
5. Future Plans
6. Contact Details





1. Online & Flexible Learning at ATU Sligo

- Over 8,600 students across undergraduate, postgraduate and apprenticeship programmes.
- 80 full time & 150 part time online courses
- 3 Schools: Business and Social Sciences; Engineering and Design; and Science.
- Taught postgraduate courses or research-based opportunities.



Make Your
Future Happen

 Online
& Flexible
Learning

[Download Prospectus Now](#)

Sligo



1. Online & Flexible Learning at ATU Sligo

- Delivering online & flexible courses since 2002
- Over 35,000 graduates c. 5000 online learners in 2021/22
- Over 150 online programmes from Levels 6 to 9
- Accredited online qualifications matched to industry demand
- Ranked #1 Most Flexible Learning Students by Good University Guide 2021



Make Your
Future Happen

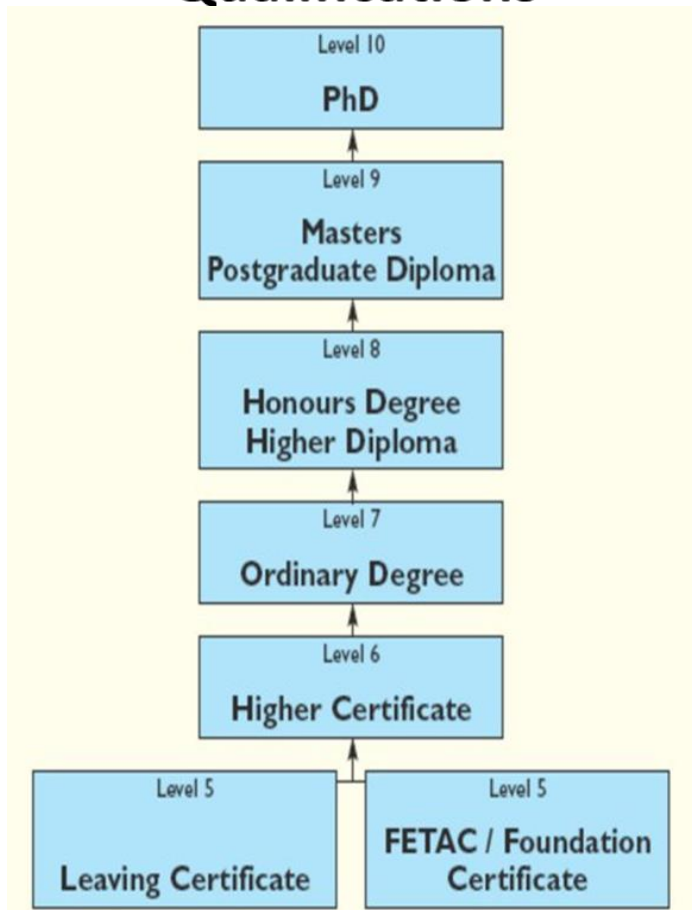
ATU Online & Flexible Learning

Download Prospectus Now

Sligo



National Framework of Qualifications



1. Online & Flexible Learning at ATU Sligo

- Part time study- 30 Credits Per Year/Stage
- Recognition of prior learning for 'non-standard' applicants.
- Live & recorded online lectures
- Access to Moodle Virtual Learning Environment
- ATU Sligo Workshops (twice per semester)
- Exams Sligo/Athlone/Online Proctor
- Projects submitted on-line – Turn It In.



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2. Online Courses – Civil Engineering & Construction

Partners in Development & Accreditation

MEng achieved Full Accreditation Engineers Ireland Chartered Engineer Status - first online Masters programme to gain recognition



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Transport Infrastructure Ireland



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Chartered property,
land and construction
surveyors



CIOB



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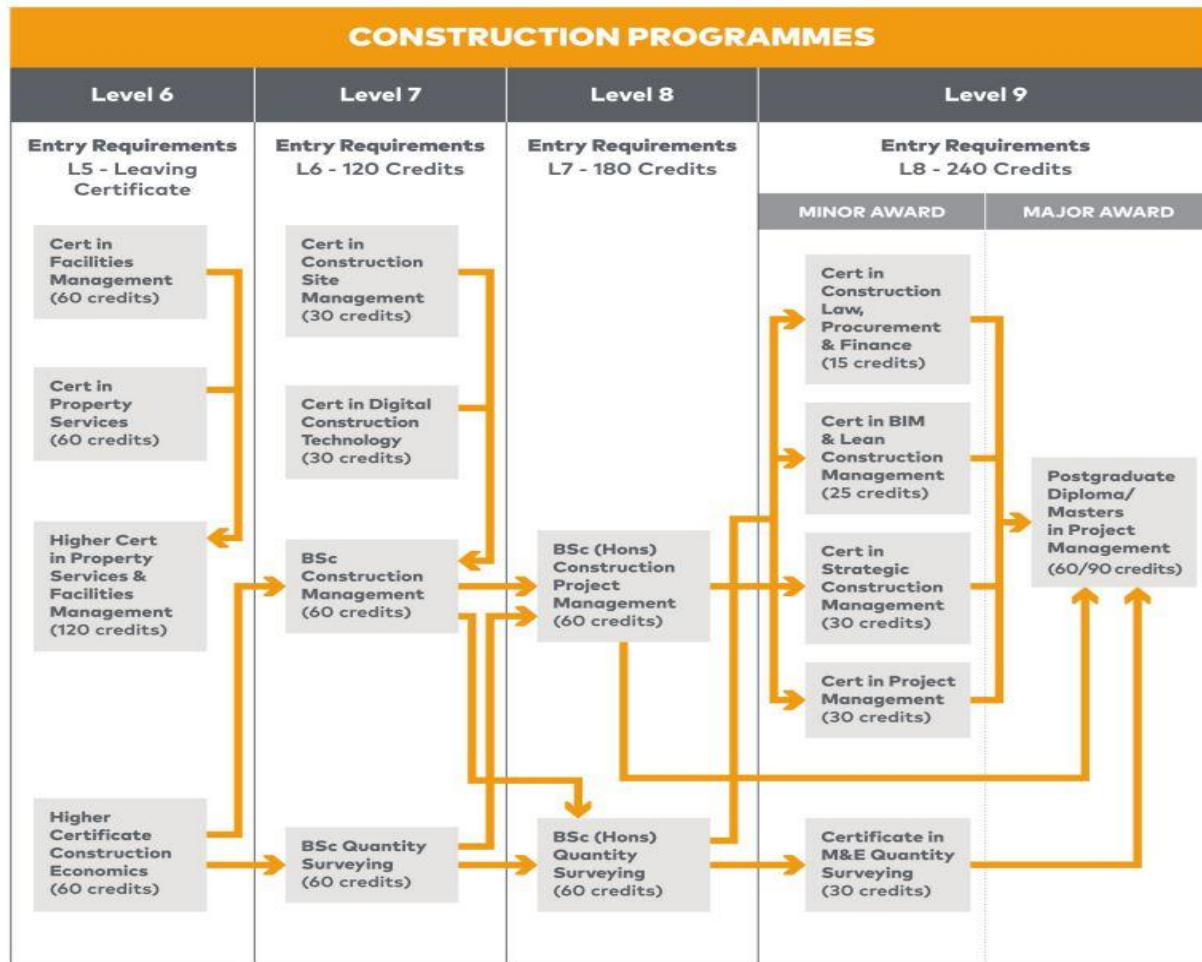


Chartered Institution of
Water and Environmental
Management



2. Online Programmes – Civil Engineering & Construction

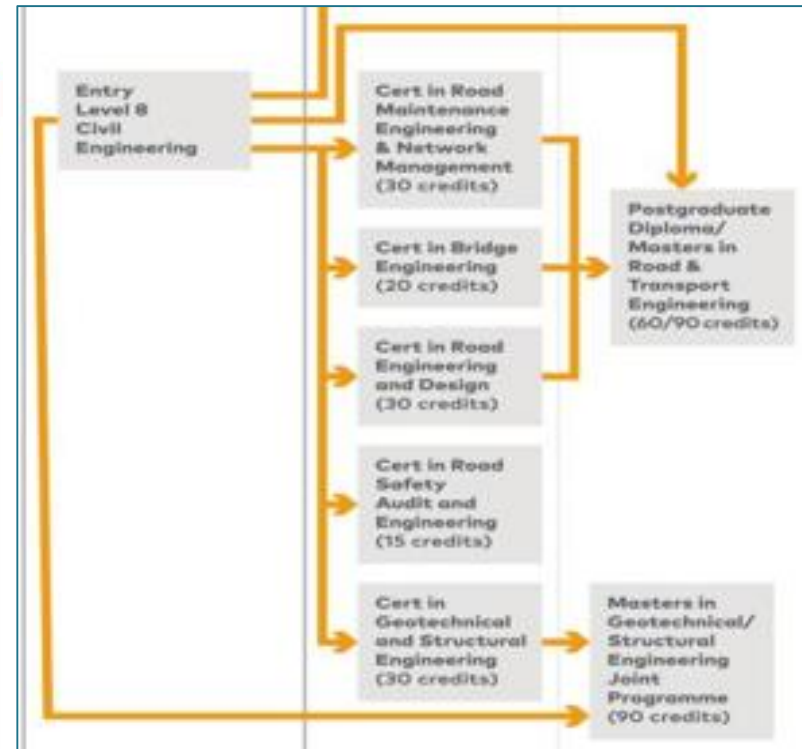
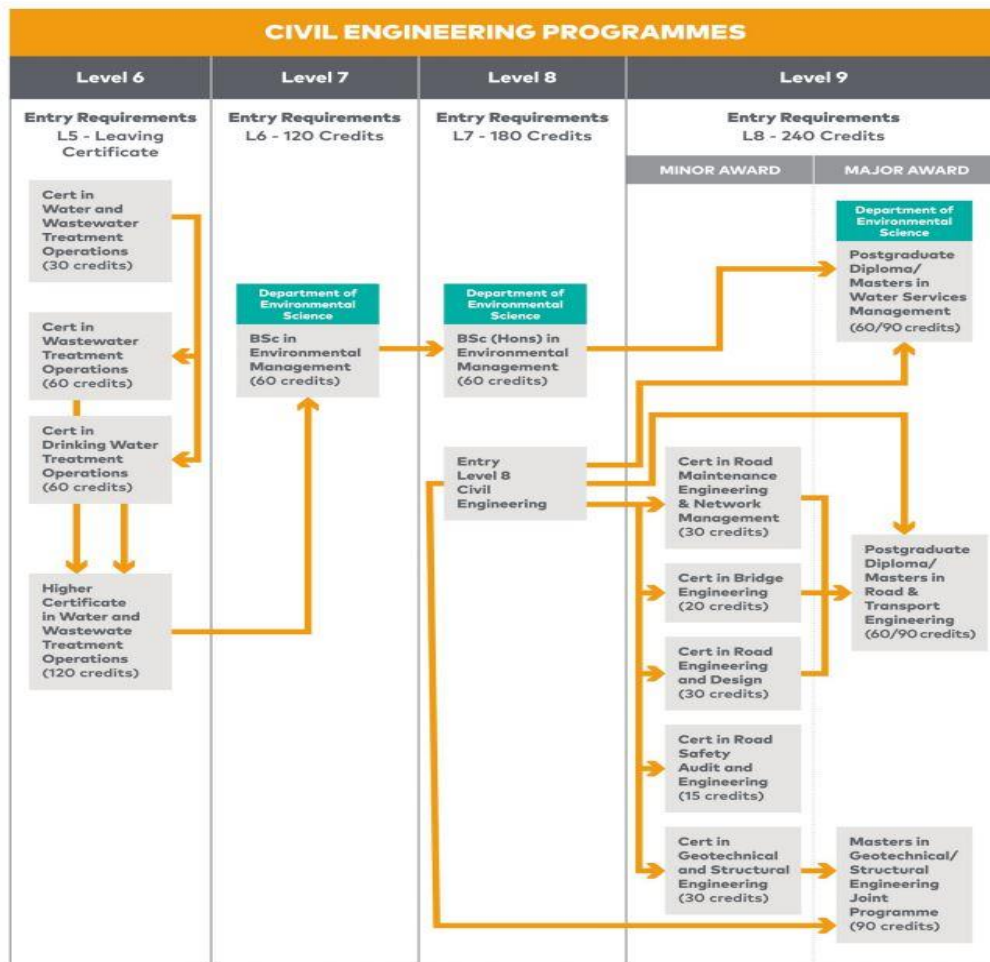
Progression Paths





2. Online Programmes – Civil Engineering & Construction

Progression Paths





3. Road and Transport Services Programmes

- 2014 -2016 IT Sligo with stakeholders LASNTG & DTTAS developed online part-time L9 Postgraduate Certificate, Diploma & MEng in Road & Transport Engineering.
- **2015 – Launch of L9 Postgrad Cert in Road Maintenance Engineering & Network Management (30 Credits Stage 1 of MEng)**

MODULE TITLE	SEMESTER	CREDITS	LECTURE HOURS/ WEEK	POST GRAD CERTIFICATE
GEOTECHNICAL ENGINEERING I	1	5	2	Stage/Year 1 Cert in Road Maintenance Eng & Network Management (30 credits) (€4,500)
STRUCTURAL ASSESSMENT & INSPECTION OF BRIDGES	1	5	2	
TRANSPORTATION PLANNING	1	5	1	
ROAD PAVEMENT DESIGN & MANAGEMENT	2	5	2	
CONSTRUCTION CONTRACTS & LIABILITIES	2	5	1	
TRAFFIC CONTROL & SAFETY	2	5	1	





3. Road and Transport Services Programmes

- 2016 Launch of Postgrad Diploma (PgD) in Road and Transport Engineering L9 – 2 Stages/Years – part-time

MODULE TITLE	SEMESTER	CREDITS	LECTURE HOURS/ WEEK	POST GRAD CERTIFICATE	POST GRAD DIPLOMA (PGD)
GEOTECHNICAL ENGINEERING I	1	5	2	Stage/Year 1 Cert in Road Maintenance Eng & Network Management (30 credits) (€4,500)	Stage/Year 1 & 2 Post Grad Diploma in Road & Transport Engineering (60 credits) (€9,000)
STRUCTURAL ASSESSMENT & INSPECTION OF BRIDGES	1	5	2		
TRANSPORTATION PLANNING	1	5	1		
ROAD PAVEMENT DESIGN & MANAGEMENT	2	5	2		
CONSTRUCTION CONTRACTS & LIABILITIES	2	5	1		
TRAFFIC CONTROL & SAFETY	2	5	1		
DRAINAGE SYSTEMS DESIGN & FLOOD MANAGEMENT	3	5	2	Stage/Year 2 (30 credits) (€4,500)	
RESEARCH METHODS	3	5	2		
DESIGN OF BRIDGE STRUCTURES	3	5	2		
ROAD & TRANSPORT SCHEME DESIGN	4	5	2		
GEOTECHNICAL ENGINEERING II	4	5	2		
PROJECT MGT & APPRAISAL	4	5	1		





3. Road and Transport Services Programmes

- 2016 Launch of MEng in Road and Transport Engineering – 3 Stages/Years part-time online

MODULE TITLE	SEMESTER	CREDITS	LECTURE HOURS/ WEEK	POST GRAD CERTIFICATE	POST GRAD DIPLOMA (PGD)	MASTER OF ENGINEERING (MENG)
GEOTECHNICAL ENGINEERING I	1	5	2	Stage/Year 1 Cert in Road Maintenance Eng & Network Management (30 credits) (€4,500)	Stage/Year 1 & 2 Post Grad Diploma in Road & Transport Engineering (60 credits) (€9,000)	Stage/year 1, 2 & 3 MEng in Road & Transport Engineering (90 Credits) (€12,000)
STRUCTURAL ASSESSMENT & INSPECTION OF BRIDGES	1	5	2			
TRANSPORTATION PLANNING	1	5	1			
ROAD PAVEMENT DESIGN & MANAGEMENT	2	5	2			
CONSTRUCTION CONTRACTS & LIABILITIES	2	5	1			
TRAFFIC CONTROL & SAFETY	2	5	1			
DRAINAGE SYSTEMS DESIGN & FLOOD MANAGEMENT	3	5	2	Stage/Year 2 (30 credits) (€4,500)		
RESEARCH METHODS	3	5	2			
DESIGN OF BRIDGE STRUCTURES	3	5	2			
ROAD & TRANSPORT SCHEME DESIGN	4	5	2			
GEOTECHNICAL ENGINEERING II	4	5	2			
PROJECT MGT & APPRAISAL	4	5	1	Stage /Year 3 30 Credit Dissertation (€3,000)		
MENG RESEARCH DISSERTATION	5,6	30	N/A			



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3. Road and Transport Services Programmes

- **Certificate in Road Engineering & Design L9 – Stage/Year 2**
- Progression to PgD/MEng in Road & Transport Engineering – Stage 1/Year 1 (Stage 2 modules completed)

MODULE TITLE	SEMESTER	CREDITS	LECTURE HOURS/ WEEK	POST GRAD CERTIFICATE
GEOTECHNICAL ENG I	1	5	2	<p>Stage/Year 1</p> <p>Cert in Road Engineering & Design (30 credits) (€4,500)</p>
DRAINAGE SYSTEMS DESIGN & FLOOD MANAGEMENT	1	5	2	
DESIGN OF BRIDGE STRUCTURES	1	5	2	
ROAD & TRANSPORT SCHEME DESIGN	2	5	2	
GEOTECHNICAL ENGINEERING II	2	5	2	
PROJECT MGT & APPRAISAL	2	5	1	





3. Road and Transport Services Programmes

- **Special Purpose Award - Certificate in Bridge Engineering L9 (20 ECTS) – Semester 1 & 2 modules on MEng.**

MODULE TITLE	SEMESTER	CREDITS	LECTURE HOURS/ WEEK	POST GRAD CERTIFICATE
GEOTECHNICAL ENGINEERING I	1	5	2	<p>Stage/Year 1 & 2</p> <p>Cert in Road Engineering & Design (20 credits) (€3,000)</p>
STRUCTURAL ASSESSMENT & INSPECTION OF BRIDGES	1	5	2	
DESIGN OF BRIDGE STRUCTURES	4	5	2	
GEOTECHNICAL ENGINEERING II	4	5	2	





3. Road and Transport Services Programmes

- **Special Purpose Award - Certificate in Road Safety Audit and Engineering L9 (15 ECTS) – One Semester (Jan – May)**
- Modules - Principles of Road Safety Engineering & Audit and Road Safety Projects – mix of online lectures & workshops and site audits
- LA learners funded by TII – not based on MEng modules
- Meets academic requirement for Certificate of Competency – RSIM



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4. Entry Requirements and Application Process

- Entry requirement for PgD or MEng programme is a second class honours BEng in Civil Engineering or equivalent.
- Entry requirement for Certificate programmes is a pass in an honours BEng in Civil Engineering or equivalent.
- Graduates of the Level 9 Certificate in Road Maintenance Engineering & Network Management or Road Engineering & Design can transfer to Stage 2 of the PgD or MEng.
- Applicants without standard academic qualification but with significant relevant work experience may apply through ATU Sligo's Recognised Prior Learning (RPL) process.



4. Entry Requirements and Application Process

- LA Nominations using Expressions of Interest Form (EOI) from DoT Training Grant Circular to LASNTG (Shane O'Dwyer) at lasntg@tipperarycoco.ie by 21st May 2022.
- Seeking to progress to an additional stage/year, applications also required indicating by 18th June 2022.
- LA nominees invited to apply to ATU Sligo via course web page: Find via <https://www.itsligo.ie/courses/open-and-distance/>
- Apply from Private Sector/Non-Local Authorities:
 - T: 353 (0) 71 931 8511
 - E: admissions@itsligo.ie
 - Web: Programme web pages





5. Future Plans and Programmes

- Special Purpose Award under development in conjunction with DoT, LASNTG, IPI, RIAI and other stakeholders:
Certificate in Active and Sustainable Travel Design L9 (possible 2023 start)
- **Apprenticeship in Civil Engineering – L6/L7 and L8/L9** streams in conjunction with industry, SOLAS and Engineers Ireland. Employer-based degree programmes. Planned 2023 start.





6. Contact Details

- **Thanks for listening!**
- **Any questions** please contact me or Patrick Sweeney at our conference stand today & tomorrow or by email.

E: mccann.brian@itsligo.ie

E: sweeney.patrick@itsligo.ie



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