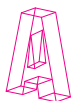


Civil Engineering by Apprenticeship

Bachelor of Engineering (Hons) in
Civil Engineering (Level 8)



**GENERATION
APPRENTICESHIP**
Engineering | www.apprenticeship.ie



Ollscoil
Teicneolaíochta
an Aibéiligh

Atlantic
Technological
University



ACEI ASSOCIATION OF
CONSULTING ENGINEERS
OF IRELAND

CECA
Civil Engineering
Contractors Association



TII
The Institute of
Technology

Uisce Éireann
Irish Water

LGMA
An Coimisiún um
Bainistíocht Rialtas Árdúil
Local Government
Management Agency



This 4-year Level 8 in Civil Engineering by apprenticeship programme is delivered on the ATU Sligo campus.

For Ireland to meet its commitments to Project Ireland 2040, Housing for All, and the Climate Action Plan, the number of people within the profession needs to significantly increase. With shortages of Civil Engineers across the industry, this new suite of Civil Engineering apprenticeships was designed to meet this demand.

If you enjoy working as part of a team, are interested in maths and science and enjoy finding solutions to problems, a career in Civil Engineering could be for you. Projects you will be involved in include the design and construction of civilian infrastructure, from buildings such as hospitals and schools, to transportation and utilities networks.

What is a Civil Engineer?

- Civil Engineers tackle global environmental problems like climate change and pollution.
- Civil Engineers transform lives by designing and building safe structures and providing essential life-giving services.
- Civil Engineers create and shape the world, making it work for us all.
- Civil Engineers take part in disaster relief efforts, helping those in need worldwide.

What do Civil Engineers do?

- **Environmental Engineers** prevent, detect, reduce, and eliminate pollutants in water, soil, and air.
- **Hydrology and Water Resources Engineers** manage and transport water.
- **Transportation Engineers** design, construct, and maintain transportation infrastructure.
- **Construction Engineers** plan and manage the construction process.
- **Geotechnical Engineers** study soil properties and secure the foundation of structures.
- **Structural Engineers** design and maintain safe structures such as bridges and buildings.

As a Civil Engineer, where will I work?

Civil engineers are employed across the following sub-sectors of the construction industry:

- Government agencies and Local Authorities.
- Consulting Engineers– supporting clients in planning, designing and managing construction projects.
- Civil Engineering Contractors – constructing assets e.g. buildings, roads, bridges, energy supplies and utilities networks.
- Specialist Suppliers – providing specialist materials and products to contractors.

Why should I choose this apprenticeship?

- You have an interest in practical and hands on learning.
- Earn while you Learn Apprenticeship model – Gain your qualification while earning a full-time income.
- Practical Learning and a Flexible Schedule: Apprentices work 4 days a week in paid employment, gaining valuable industry experience. They attend online lectures one day per week and also attend campus one day per month for labs/workshops.
- Excellent employment prospects in a varied and exciting industry. Civil engineering is an industry where there are more jobs than people!

Is it for me?

- At least 18 years of age (or within 6 months of programme start).
- An interest in Mathematics and problem solving.
- Interest in Civil Engineering and the built environment.
- Solid literacy, verbal, and numeracy skills.
- Ability to plan and prepare work.
- Good analytical and problem-solving skills.
- Good computer skills.
- Good interpersonal skills.
- Safety focused.
- Ability to work independently and as part of a team.

Entry Requirements

There are two points of entry onto the programme. Year 1 is for entrants from Leaving Cert or equivalent. Year 3 is for entrants who hold a Level 7 qualification in Civil Engineering, subject to minimum requirements.

Minimum entry requirements for entry into Year 1

- Hold a QQI Level 5 (Leaving Cert or equivalent).
- H4 Mathematics.
- H5 grade in one other subject.
- O6 / H7 in 4 other subjects, one of which must be a lab science.

Minimum entry requirements for entry into Year 3

Entry to the add-on degree for holders of a Level 7 in Civil Engineering is based on meeting the following criteria:

- Achieve a 55% average in their Level 7.
- Achieve 55% in Maths in the final year of their Level 7.
- There is also a stipulation that entrants must pass the bridging Maths course held during the residential week at the beginning of the academic year.

Approved Employers

The first step in securing a place on the Civil Engineering apprenticeship is to gain employment with a SOLAS-approved employer. You can view the current list of SOLAS-approved Civil Engineering Apprenticeship employers in your region / county on the **'Find Apprenticeship Employers'** section of the Generation Apprenticeship website.

If a company is not listed as an approved employer please contact civilapprenticeships@atu.ie

Find out who's hiring!

1. Generation Apprenticeship website (www.apprenticeship.ie)

Visit the Generation Apprenticeship website to find apprenticeship opportunities. Companies recruiting Civil Engineering apprentices will advertise positions in the **"Apprenticeship Jobs"** section of the website.

2. Approach SOLAS-Approved Civil Engineering Employers Directly

- Research these companies and create a list of Civil Engineering firms in your area that interest you.
- Visit Company Websites: Go to the careers or jobs section of their websites to check for apprenticeship vacancies. Express your interest in an apprenticeship and enquire if they are accepting applications or would be willing to take you on.

3. Monitor Job Portals

Search "Civil Engineering Apprentice" vacancies on jobs portals including:

- www.irishjobs.ie
- www.indeed.ie
- www.jobs.ie

When applying, ensure your **CV** and **cover letter** are tailored to the company. Highlight your passion for civil engineering, showcase relevant skills and qualifications, and express your enthusiasm for the apprenticeship programme. Additionally, prepare for your interview by researching the company and role, and approach the interview with confidence and openness.

Employer Testimonials



Nicholas O'Dwyer

At Nicholas O'Dwyer, the Civil Engineering Apprenticeship is an excellent way to develop engineering talent while supporting the future of the profession. Apprentices gain both technical expertise and practical experience, contributing to live projects from an early stage under the guidance of experienced mentors. The programme has strengthened our succession planning and staff development, helping us build a skilled, motivated, and sustainable workforce.



John Sisk & Sons

At John Sisk & Sons, we value the opportunity to invest in the next generation of civil engineers. The programme combines structured on-the-job training with academic learning, giving apprentices exposure to a variety of projects and helping us develop talent internally. It supports succession planning and staff retention, ensuring a motivated, skilled workforce. We fully endorse this initiative and recommend it to employers committed to cultivating future engineering professionals.



Murphy Group

At Murphy Group, apprenticeships are a vital part of our long-term workforce strategy, enabling us to develop highly skilled professionals who contribute across our major infrastructure and construction programmes. The apprenticeship pathway provides hands-on experience and robust technical training, allowing individuals to make meaningful contributions to live projects while learning from seasoned experts across our business. This investment strengthens our succession pipeline and supports sustainable workforce growth, ensuring we continue to deliver with a capable, motivated, and future-ready team. We fully endorse the apprenticeship programme as an essential component of our commitment to developing talent and supporting industry excellence.

Contact us

For further information, please email: civilapprenticeships@atu.ie

Additional information on the Civil Engineering Apprenticeship programmes can be found on the ATU and MTU websites.

www.atu.ie

www.apprenticeship.ie

