

The logo for the University of the West of Scotland (UWS) is a black, jagged-edged circle containing the university's name and the acronym 'UWS' in white.

UNIVERSITY OF THE  
WEST of SCOTLAND

UWS

A photograph of two construction workers, a man and a woman, wearing yellow hard hats and high-visibility safety vests. They are looking at a tablet computer together. The background is a blurred construction site. A large teal diagonal graphic is overlaid on the right side of the image.

# GRADUATE APPRENTICESHIPS

## BEng (Hons) Civil Engineering

[www.uws.ac.uk/GAs](http://www.uws.ac.uk/GAs)

# The School of Computing, Engineering & Physical Sciences at the University of the West of Scotland is inviting applications for entry to the September 2019 cohort of an innovative Graduate Apprenticeship (GA) BEng (Hons) in Civil Engineering.

GAs have been developed by Skills Development Scotland in partnership with the industry and the education sector. They offer a new pathway to degree level qualifications by combining academic knowledge with work based skills development to enable apprentices to quickly become effective and productive in the workplace.

The GA in Civil Engineering at UWS enables apprentices to earn a BEng Honours degree designed by industry while in full-time paid employment. Apprentices are awarded academic credit for gaining industry relevant skills and experience putting their learning into professional practice straight away.

## Subjects & Topics Covered

A GA in Civil Engineering at UWS provides a broad knowledge of core Civil Engineering subject areas including structural, geotechnical, water engineering, materials and hydraulics. It also equips apprentices with graduate attributes such as teamwork, critical thinking and creativity.

Additionally, the programme will provide knowledge of the latest trends in the application of digital technologies in construction such as laser scanning and thermography, Virtual and Augmented Reality (VR/AR), sustainable development, and occupational health, safety, and well-being.

## Entry Requirements

Applicants must be employed full time in a relevant role such as a (trainee) Technician, Project Manager, Asset Manager, Engineer, Site Agent.

### Entry to Year 1:

- BBBC at SQA Higher (or equivalent) including Maths and one Science subject
- An appropriate Foundation or Modern Apprenticeship

We take a range of factors into account when assessing GA applications and are happy to consider alternative combinations of qualifications and experience.

Applicants may also be eligible for advanced entry if they can demonstrate relevant industry experience and/or qualifications.

Enquire with our GA team about the **UWS Recognition of Prior Learning** process and how it works.

## Programme Delivery

Apprentices will spend the equivalent of one day per week on their studies.

At UWS we recognise the challenges of working full-time and being a full-time student. Therefore the course timetabling is scheduled to support the work/study/life balance with the number of modules taken at any one time evenly distributed throughout the programme.

## UWS Programme Team

UWS has put in place a team of dedicated professionals to support the apprentices and their employers.

**GA Project Manager** – The Project Manager oversees UWS' GA portfolio and supports participant companies and their apprentices to create learning journeys that meet their business needs.

**Programme Leader** – The Programme Leader is responsible for ensuring the delivery of excellent quality teaching and learning, addressing custom requirements and communicating with the apprentices.

**Link Tutor** – Link Tutors help the apprentices to integrate their learning into their workplace and support the delivery of the work based learning modules. The Link Tutors will meet with the apprentices and their workplace mentors both on campus and on site.

**Academic Lecturers** – Our GA teaching team is made up of subject experts from the School of Computing, Engineering and Physical Sciences who deliver the Civil Engineering modules through personalised tuition, support and feedback.



## Apprentice Journey

WORK BASED LEARNING MODULES	BLENDED LEARNING MODULES (DELIVERED THROUGH ATTENDANCE ON CAMPUS AND ONLINE)
<b>1ST YEAR (LEVEL 7)</b>	
Work Based Learning 1 Introduction to Civil Engineering	Introduction to Engineering Design
	Technical Communication
	Maths for Engineering
<b>2ND YEAR (LEVEL 8)</b>	
Work Based Learning 2 Digital Surveying & Sustainability	Maths for Design
	Hydraulics
	Structural Design
	Materials in Civil Engineering
<b>3RD YEAR (LEVEL 9)</b>	
Work Based Learning 3 Project Management	Water Engineering
	Structural Engineering
	Applied Soil Mechanics
	Negotiated Learning
<b>4TH YEAR (LEVEL 10)</b>	
Work Based Learning 4 Applied Research Project	Advanced Construction Materials
	Geotechnical Engineering
	Structural Engineering 2
	Construction Management

## Why Choose UWS?

**UWS GA programmes are amongst the most flexible and customisable in Scotland.** Apprentices and their employers are central to deciding the content of their learning. This results in the creation of a bespoke learning experience reflecting the priorities and objectives of the apprentice and their employer.

**UWS lecturers are world leaders in industry, teaching and cutting edge research.** This engaged and outward facing approach underpins a top quality learning experience centred on expert up-to-date education and training content. As a result, courses within the School of Computing, Engineering & Physical Sciences have achieved 100% student satisfaction ratings and our full-time BEng (Hons) Civil Engineering was ranked top in Scotland in the Guardian University Guide 2019.

**UWS has some of the most modern GA facilities in Scotland.** The Civil Engineering GA programme will be delivered from our Paisley Campus which offers advanced learning environments, resource hub and specialist laboratory space in the heart of Paisley town centre. All UWS campuses are currently benefitting from a recent £12m IT infrastructure upgrade as our laboratories and equipment are upgraded every 3 years.

**UWS is a multi-campus university** with access hubs in Ayr, Dumfries, Paisley, Lanarkshire and London. Our work practices and IT support systems are specifically tailored to co-ordinating an eco-system of distributed and remote community members. This naturally suits the decentralised nature of the UWS GA delivery model with apprentices primarily based off campus and in different geographical locations.



## Working in Partnership

Graduate Apprenticeships are a partnership between employer, apprentice and UWS.

**Workplace Mentors** play a key role in shaping the learning journey which the apprentices embark on. As experienced practitioners with the technical knowledge and understanding of the range of work activities the apprentice will undertake, workplace mentors are in an excellent position to support, guide and provide direction to the apprentice.

We have developed online and hard copy resources and deliver workshops to support our workplace mentors. Taking on the role of workplace mentor for a Graduate Apprentice can also be valuable CPD for staff keen to develop their own skills and career progression.

## Contact Details

For more information about the BEng. (Hons) Civil Engineering Graduate Apprenticeship, please contact our GA team on [apprenticeships@uws.ac.uk](mailto:apprenticeships@uws.ac.uk)

Alternatively please contact the project or academic leads directly:

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Graduate Apprenticeship Project Manager

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