



University of  
**Salford**  
MANCHESTER

# Civil Engineer Degree Apprenticeship

## BEng (Hons) Civil Engineering



### About the programme

The Civil Engineer Degree Apprenticeship includes the Joint Board of Moderators (JBM) accredited University of Salford BEng (Hons) Civil Engineering degree and a Professional Review with The Institution of Civil Engineers (ICE).

The apprenticeship is a combination of an academic programme and work-based learning. The University is responsible for the degree programme, and the employer is responsible for delivering the work-based learning. A degree apprentice is employed throughout the process of completing the degree and the Professional Review.

# Civil Engineer

## Degree Apprenticeship

### BEng (Hons) Civil Engineering

#### Who is it for?

Civil Engineering is a very broad industry, which stretches from transport systems (roads, ports and airports, railways and transit systems) through structures to water systems (water treatment and potable). We are looking for students who have a keen desire to follow a career in Civil Engineering. Good interpersonal skills and a strong work ethic are desirable. You should have a good understanding of linking theory to real life applications and an attention to detail.

#### What are the entry requirements?

You must be employed full-time in a relevant role and your employer must be willing to sponsor you in order for you to do a higher or degree apprenticeship programme.

Apprenticeship candidates will typically have at least three A levels at Grades A\*-C including Mathematics and Physical Science or their equivalent or will have completed a Level 3 Apprenticeship as a Civil Engineering Technician. We also accept the BTEC National Diploma qualification in Civil Engineering or Engineering, which must be extended diploma (M2). Construction-based diplomas are not accepted.

Please note: evidence of level 2 English and Maths qualifications will be required at application stage.

#### What qualification will be achieved?

Successful apprentices will be awarded an accredited BEng (Hons) Civil Engineering degree and simultaneously complete a training agreement with their employer, which will lead to a professional review with ICE.

Successful completion of the professional review will lead to Incorporated Civil Engineer (I.Eng MICE) status.

#### How long is the apprenticeship?

The degree is a part-time five year programme (assuming the candidate has relevant experience that can be used to provide some credit for Level 4 modules).

The end point assessment (EPA) process is likely to add a further year.

#### What will be studied?

The programme is composed of three modules per year, which are designed to meet the accreditation requirements of the Joint Board of Moderators (JBM). Every year involves modules which address the JBM themes of design, sustainability, health & safety risk management and creativity. Some of the principal modules are structures, materials, soil mechanics, surveying, transport design, design and construction management, water resources and environmental engineering.

Every apprentice must complete an individual project at level 6. Employers are expected to provide topics, in collaboration with their apprentices, which will be of commercial use and require research and development.

#### How will the apprenticeship be delivered?

The majority of the programme will be delivered using inverted teaching techniques. Learning material will be available on the universities virtual learning environment; apprentices will be given a module handbook which sets out the learning timetable, and formative and summative assessments.

Class contact will be one day per week, when apprentices will be engaged in applying their knowledge and understanding.

A design exercise will be run and mentored by engineers in the employer's organisation across the Summer period.

#### How will it be supported and assessed?

Assessments will be identical to those undertaken by full-time degree students. Every module integrates into the Design Exercise, which is a group based activity covering all the knowledge acquired that year. Additionally, each module is assessed by either an end examination or a portfolio of coursework.

The endpoint assessment is a professional review (an oral examination) organised by ICE. This is in the form of an interview with two professionally qualified engineers appointed by the engineering institution. The University will organise professional review preparation classes for apprentices who have completed their degree.

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## Find out more

For full details including entry requirements and start dates, please contact us at

[apprenticeships@salford.ac.uk](mailto:apprenticeships@salford.ac.uk)

[www.salford.ac.uk/degree-apprenticeships](http://www.salford.ac.uk/degree-apprenticeships)

## Apply

Search and apply for apprenticeship vacancies with employers at:

[www.findapprenticeship.service.gov.uk](http://www.findapprenticeship.service.gov.uk)

This programme sheet gives you a broad overview of the degree apprenticeship programme at the University of Salford and all content is correct at the time of going to print (October 2018). For the most up to date information, please visit [www.salford.ac.uk/degree-apprenticeships](http://www.salford.ac.uk/degree-apprenticeships)