



UNIVERSITY OF
BIRMINGHAM

GEOTECHNICAL ENGINEER

DEGREE APPRENTICESHIP

JOIN THE GEOTECHNICAL ENGINEERING MSc COURSE THROUGH OUR DEGREE APPRENTICESHIP SCHEME

Our aim at the University of Birmingham is to support participants with the practical knowledge and understanding required by civil engineers and geologists seeking to extend their professional scope or specialise in geotechnical engineering. Our Geotechnical Engineer Level 7 Degree Apprenticeship, allows learners to gain a Masters in Geotechnical Engineering funded by the Apprenticeship Levy. As a Russell Group University our levy-funded Degree Apprenticeship courses are developed with research-informed teaching at their heart, bringing together world-class research and cutting-edge facilities to produce exceptional learning outcomes for apprentices and employers.



WHY CHOOSE THIS PROGRAMME?

- The apprenticeship is designed to meet the ever-changing environment faced by geotechnical engineers, underpinned by excellence in research and strong links into industry, and enhances both technical and managerial skills of participants.
- A three-year part-time programme that combines postgraduate-level study alongside development of the knowledge, skills and behaviours necessary for success in the workplace.
- Flexible mode of delivery to suit both learner and employer needs through a blend of online and on-campus delivery.
- Equips participants with the ability to plan and direct ground investigations and laboratory testing, providing the basis for interpreting results and proposing the optimum methods of design and construction.
- Training is delivered in our new state-of-the-art School of Engineering building, which includes a fully-equipped Design Centre, 160 drop-in study spaces across five floors and expansive computer labs providing flexible learning opportunities.
- Fully levy-funding compliant with advice and guidance from our Apprenticeships team

OVERVIEW

The University of Birmingham is one of the UK's leading centres for research, education, and professional development in geotechnical engineering. We deliver world-class research and teaching from our cutting-edge facilities, including the new National Buried Infrastructure Facility, allowing us to continue to expand our portfolio of high-quality education programmes. Our close relationship with all branches of the geotechnical engineering community ensures that our research and teaching draws on and utilises real-world solutions to solve complex geotechnical engineering problems.

The Geotechnical Engineer Level 7 Degree Apprenticeship provides apprentices with a broad understanding of how to model and analyse the ground in relation to natural and engineering processes. The apprenticeship focuses on essential aspects of the subject, including: physical, chemical and mechanical properties of soils and rocks; ground investigation; field and laboratory testing; engineering geology and site investigation; analysis, design and construction of foundations, retaining walls, tunnels, embankments and slopes including methods of ground reinforcement and improvement.

Importantly, the apprenticeship also provides learners with a deep and robust understanding of pioneering approaches to managing geotechnical works, the risks associated with these and the associated integration with other disciplines involved in ground works. Through this, learners will develop the key skills required to become a successful geotechnical engineer in the workplace.

SUCCESS AND IMPACT

The University is currently offering Apprenticeship courses with a number of partners across the private, public and third sectors, in business, local government, education and the NHS against the following Apprenticeship Standards:

- Level 6 Digital and Technology Solutions Professional
- Level 7 Rail and Rail Systems Principal Engineer
- Level 7 Senior Leader
- Level 7 Chartered Town Planner
- Level 7 Advanced Clinical Practitioner
- Level 7 Geotechnical Engineer

The University is continuing to develop further courses against a number of additional Apprenticeship Standards and our offer for partners continues to grow.

GUIDANCE FOR EMPLOYERS AND EMPLOYEES

The course is fully levy-funding compliant. Talk to our Apprenticeships team to understand what this might mean for you.

TRY A DIFFERENT APPROACH

GETTING IN TOUCH

To learn more about engaging with the University please visit:
www.birmingham.ac.uk/partners/degree-apprenticeships

Or email us at: degreeapps@contacts.bham.ac.uk

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