

Graduate Apprenticeship

Engineering:

Instrumentation,
Measurement and Control

BEng (Hons)



BEng (Hons) Engineering: Instrumentation, Measurement and Control

Instrumentation, Measurement and Control (IMC) lies at the heart of many industries as it enables efficient and safe control of continuous processes in systems ranging from renewable energy power stations and oil refineries, to smaller operations such as food production facilities. This apprenticeship provides apprentices with the knowledge, understanding and skills required to further drive and increase their organisation's competitive advantage.

Apprenticeship Highlights

This apprenticeship covers topics in instrumentation and automation which offer apprentices a comprehensive foundation in engineering principles, concepts and theories involving managerial, technical and environmental issues in the modern workplace. Apprentices will gain a wide range of knowledge from the apprenticeship ranging from basic electrical and electronic engineering, process and embedded control systems, sensor network and metrology to quality, risk, hazard and safety managements. Various industry relevant software packages, applications and international standards are also introduced and incorporated throughout the apprenticeship, including applying this knowledge in integrated work-based projects. This wide-ranging knowledge also allows apprentices to appreciate and accommodate customer needs. Since the apprenticeship combines employment for workplace learning with a programme of education, it also allows apprentices to integrate and hone their career ambitions as well as supporting their career progression and enriching technical and professional skills.

This course has been accredited by the Institute of Measurement & Control as meeting the Engineering Council educational requirements for Chartered Engineer.

→ www.rgu.ac.uk/ga

→ GAEmployer@rgu.ac.uk

Career Enhancement

A Graduate Apprenticeship synchronises theoretical learning with practical experience. Graduate Apprenticeships offer benefits to both the employee and the employer, meeting the long-term development needs of both the business and the apprentice. Employees exiting with a Graduate Apprenticeship degree qualification could enhance their careers in a wide range of possible job roles including:

- **Process Engineering**
- **System Design Engineering**
- **Control Engineering**
- **Consultancy**
- **Project Management**
- **Quality Assurance**
- **Research & Development**

Entry Requirements

All applicants must be employed in a role related to the course of study, must have the right to live and work in Scotland and be working in Scotland.

- **SQA Higher: BBBB to include Maths and either Engineering Science, Physics or Technological Studies.**

English at National 5 grade C or above is required if not held at Higher.

We welcome applications from those with equivalent qualifications or work experience which equip them with an equivalent starting point for the apprenticeship.