

BSc (Hons) Engineering: Instrumentation, Measurement and Control

Graduate Apprenticeship

Graduate Apprenticeships (GAs) are a ground-breaking initiative, offering **fully-funded** degrees, providing employees with the skills companies need.

The Engineering: Instrumentation, Measurement and Control Graduate Apprenticeship degree is designed to produce highly skilled employees in the following areas:

- Instrumentation and Control Engineering
- Instrumentation and Measurement Engineering
- Industrial Engineering
- Process and Control Engineering
- Commissioning Engineering.



WHY CHOOSE HERIOT-WATT AND FORTH VALLEY?

- The Engineering: Instrumentation, Measurement and Control Graduate Apprenticeship Programme is delivered in partnership between Heriot-Watt and Forth Valley College and is taught by respected and experienced academics and business professionals.
- General Engineering at Heriot-Watt is ranked no. 8 in the UK in the *Times/Sunday Times Good University Guide 2018*.

20%
STUDY
80%
WORK

- **FOR:** NEW OR EXISTING EMPLOYEES IN SCOTLAND
- **QUALIFICATION:** HONOURS DEGREE
- **DURATION:** 4 YEARS
- **AGE:** NO LIMIT
- **HOW:** 20% AT UNIVERSITY/COLLEGE, 80% AT WORK

This is a fantastic opportunity for individuals to build their workplace knowledge while developing a wider understanding of the industry, which not only benefits the individual but also their employers.

Sandy Murray, Director
of Apprenticeships





HOW DOES IT WORK?

The Graduate Apprenticeship scheme provides flexible, workbased learning and is open to existing employees and new recruits. Apprentices continue to work full time, and are required to spend approximately one day each week on campus.

- Years 1 and 2 are delivered at the Forth Valley College campus in Falkirk; and
- Years 3 and 4 are delivered at the Heriot-Watt campus in Edinburgh.



AIMS AND OUTPUTS

The Engineering: Instrumentation, Measurement and Control Apprenticeship Programme aims to produce BEng (Hons) graduates who:

- have a thorough grounding in the principles, technology and practices of measurement
- are able to specify, design, install, commission, operate and maintain a wide range of measurement and control systems
- understand that good measurement is the basis for effective control and monitoring
- are able to plan and manage work efficiently, ethically and safely
- have an appreciation of the wider societal and commercial influences on, and impact of, engineering

- have problem-solving skills and the ability to apply such skills by developing innovative solutions to society's practical needs
- have developed the personal qualities and professional competencies of an engineer
- are tailored to the needs of their company.



PROGRAMME CONTENT

Over 4 years apprentices study a range of courses and undertake projects together with employer-based activities. Key content includes:

- Mathematics
- Mechanical and Chemical Engineering Principles
- Control Engineering Principles
- Electrical Engineering Principles
- Safety and Management.



IS THERE A COST?

They are fully funded by Skills Development Scotland (SDS)

so there are no fees for employers or apprentices for the degree programme. Places are in demand and limited, and offered on a first come first served basis to qualified candidates - so please contact us to apply as soon as you can.

1st

Forth Valley College hold the highest achievement rate for engineering providers in Scotland at 91%.

1st

The 2018 National Student Survey rated Heriot-Watt's Chemical Engineering programmes 1st in Scotland.



PARTNER WITH US TODAY

www.hw.ac.uk/ga
ga@hw.ac.uk



EUROPE & SCOTLAND
European Social Fund
Investing in a Smart, Sustainable and Inclusive Future