Engineering Design and Manufacture (Mechanical) (Graduate Apprenticeship)

Heriot-Watt University

Venues

Edinburgh Campus

Content

BEng (Hons) Engineering Design and Manufacture (Electronic or Mechanical) Graduate Apprenticeship (GA) is aimed to develop experts in the following areas: Engineering Design; Manufacturing Engineering; Engineering Consultancy; Engineering Operations Management; Engineering Project Management.

The primary focus of the Engineering Design and Manufacture graduate apprenticeship programme is on developing the knowledge, understanding and skills outcomes sought by employers.

Engineering design and manufacturing principles:
Manufacturing with materials; Engineering product design; Computer aided design and analysis; Electrical and electronic design principles; Planning and design of manufacturing systems; Sustainable manufacturing; Design and manufacture applications; Engineering IT.

Engineering business and management:
Business functions, behaviours, ethics and courtesies; Engineering design and manufacturing operations management; Supply chain management; Organisational behaviour; Business strategy and management; Business finance and accounting; Industrial engineering; Global manufacturing strategy.

Personal and interpersonal:
Communications; Personal attributes; Professional attributes; Team working.

Project and delivery management:
Project management methodologies; Project planning; Project execution; Project risk assessment and management.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

Course Length

4 years

Faculty

Science, Technology, Engineering and Mathematics (STEM)

Department

Mechanical Engineering

Entry Requirements

2027 entry requirements

4 Highers at BBBB including Maths and Physics; or Foundation Apprenticeship Engineering plus 3 Highers at BBB including Maths.

Entry to 2nd year may be possible with 3 Advanced Highers at BBB including Maths and Physics.

You must be in (or in process of looking for) a GA position with an employer. Contact institution for further information.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk