

Software Development for Business (Graduate Apprenticeship)

Heriot-Watt University

Venues

Edinburgh Campus

Content

The Software Development for Business graduate apprenticeship programme is designed to provide a solid foundation in computing and its necessary applied skills. It includes object-oriented web programming, writing algorithms and understanding fundamental database programming and management, as well as network security.

The graduate apprenticeship programme is open to new or existing employees in Scotland of all ages and consists of 20% academic learning and 80% work-based learning.

This programme helps you develop highly skilled employees in:

Software development and testing; Web development; Database architecture and development.

The primary focus of the Software Development for Business graduate apprenticeship programme is on developing the knowledge, understanding and skills outcomes sought by employers.

Business:

Business functions, behaviours, ethics, and courtesies; Business strategy and management; Business finance and accounting.

Technology:

Data structures and algorithms; Object-oriented programming; Design and development of interactive systems; Web applications and mobile apps; Database management systems; Software development life cycle; Software design, modelling and analysis; Software architectures and design patterns; Software verification, testing and quality assurance; Cloud-native applications; Data mining, modelling and data analysis; Artificial intelligence and machine learning; Network and software security.

Personal and interpersonal:

Communications; Personal attributes; Professional attributes; Team working.

Software project and delivery management:

Project management methodologies; Project planning; Project execution; Agile project delivery; Risk assessment and management; Software project planning and management; Software configuration and release management.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

Course Length

3 years

Faculty

Science, Technology, Engineering and Mathematics (STEM)

Department

Computer Science

Entry Requirements

2027 entry requirements

3 Advanced Highers at BBB including Computing Science plus Highers at including Maths.

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

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Website

www.hw.ac.uk