Graduate Apprenticeships at
University of Dundee

BSc (Hons)
IT Software Development with Industrial Experience

Supporting employers to develop the skills of their workforce
Deliver tangible benefits to your business through Graduate Apprenticeships at the University of Dundee. Through a blend of academic and practical learning our programme can help to increase productivity, develop and retain talent, improve service delivery, and engage staff in their own professional development.

Graduate Apprenticeships are fully funded by Skills Development Scotland.

Programme overview

IT Software Development Graduate Apprentices learn to:

+ Build experience in custom software development processes, including the knowledge, skills, and professional competencies necessary to a software engineer.
+ Work as an individual and as part of a team.
+ Design appropriate solutions in a range of application contexts/domains using software development approaches.
+ Build and test software solutions for a range of application contexts/domains.
+ Reconcile conflicting project objectives, finding acceptable compromises.
+ Understand current theories, models, and techniques that provide a basis for problem identification and analysis, software design, development, implementation, verification, and documentation.
+ Understand the importance of applying negotiation, effective work habits, leadership, and good communication with stakeholders.

University-based learning

Teaching takes place one day a week in the University over 42 weeks a year. There is a two week break at both Christmas and Easter and a six week break in the summer.

Work-based learning

Graduate Apprenticeships at the University of Dundee are project-based degrees. We engage with employers to find projects that apprentices can undertake as part of their employment and apply the skills and knowledge acquired through their study.

Eligibility

The Graduate Apprentice must:

+ Be a resident in Scotland at the start of their programme.
+ Work in Scotland.
+ Not have a qualification at the same level in the same subject.
+ Meet the University’s entry requirements.

Learning outcomes

Regular workshops with programme partners will review content in line with both employer and apprentice needs.

Year 1

+ Business Strategy and Management
+ Software Development Essentials
+ Data and Algorithms
+ Software Configuration and Release Management
+ Professional Attributes

Year 2

+ Business Functions, Behaviours, Ethics, and Courtesies
+ Business Finance and Accounting
+ Software Modelling & Analysis
+ Software Architecture
+ Software Development Process
+ Software Development in Context
+ Software Maintenance
+ Legacy Systems

Year 3

+ Software Requirements Management
+ Software Design
+ Software Verification and Testing
+ Software Deployment
+ Software Quality
+ Data Modelling, Database Development and Data Analysis
+ Risk & Information Security
+ Agile Project Delivery
+ Communications
+ Personal Attributes
+ Team Working

Year 4 - Honours Project Year

+ Project Management Methodologies
+ Project Risk Assessment and Management
+ Project Planning
+ Project Execution

Entry requirements

+ A Modern Apprenticeship in a relevant area and two science or engineering subjects at Higher level (computing science is recommended) or
+ A Foundation Apprenticeship in a relevant area and two science or engineering subjects at Higher level (computing science is recommended) or
+ BBBC at Higher level including two science or engineering subjects (computing science is recommended) or
+ Equivalent.

If a candidate does not have any formal qualifications, they can:

a) Go through a recognition of prior learning interview and/or
b) Enter through Discover Learning at Dundee uod.ac.uk/discoverlearnings

Direct entry to year 2 may also be available for qualified candidates, please contact us to discuss.

If you are an employer, we will work closely with you on the admission process. For example, if you are hiring a new employee as a Graduate Apprentice, we will happily discuss their qualifications prior to you hiring them so that we can check they are eligible to apply.

Simply email: ga@dundee.ac.uk
→ We are one of the UK’s top 30 universities

→ We have been given a Gold award – the highest possible rating –
   in the 2017 Teaching Excellence Framework (TEF).

Find out more

Email: ga@dundee.ac.uk
Phone: 01382 384787
Visit our website: uod.ac.uk/graduate-apprenticeships