Foundation Apprenticeship
in Software
Development

SOFTWARE DEVELOPMENT

SCQF Level 6

In Scotland, more than 90,000 people work in digital technology roles. The current average full-time salary is also over 30% higher than the Scottish average. In an industry that contributes nearly £5bn to the Scottish economy, it is estimated that 13,000 new roles are created on an annual basis within Scotland's emerging digital sectors. Emerging technologies such as artificial intelligence, mobile computing, autonomous vehicles and the internet are driving an explosion in demand for creative talent. Digital skills can lead to many exciting job opportunities, not only in IT businesses but across all sectors including Banking and Finance, Creative Industries, Education, Engineering, Tourism, Healthcare, and the Public Sector.

CAREER PATHWAYS

- Software Developer
- Web Developer
- Database Administrator
- Network Manager

COURSE DESCRIPTION

This Foundation Apprenticeship covers a range of computer planning and programming skills essential in today's IT industry. You will learn how to establish customer and system requirements and develop the skills and knowledge required to write computer software that enables users to perform different tasks on a variety of computer systems and devices. You will learn in a classroom environment, have industry led talks and carry out a work placement with a local employer to undertake the work-based units of the course.

COURSE CONTENT

NPA Element

- Computing: Applications development
- Computing: Authoring a website
- Software design and development
- Work based challenge

Work Based Learning Units

- Investigating and defining customer requirements for IT and telecoms systems 2
- Data modelling
- Procedural programming 2
- Health and safety in IT and telecoms

SKILLS DEVELOPED

- Problem solving
- Analytical skills
- Communication
- Approaches to software design

ENTRY REQUIREMENTS

- Achieved National 5 qualifications including National 5 Computing Science
- Planning to study a minimum of one Higher in a relevant science discipline whilst in S5
- An excellent attendance record in school

COURSE DURATION

2 years

TARGET YEAR GROUP

S5

ADDED VALUE FOR FUTURE PROGRESSION

Fife College will accept achievement of the FA in Software Development as equivalent to two Highers which will support you to secure entry to the HNC: Computing at SCQF Level 7, or HND: Computing: Software Development at SCQF Level 7 along with 4 National 5s , HND: Digital Design and Development or HND: Computer Games Development at SCQF Level 8 along with National 5 Maths at Grade B or above.

UCAS Tariff Points:	42
SCQF Credit Points:	59