



SOFTWARE AND WEB DEVELOPMENT

DIGITAL TECHNOLOGIES

Incorporating IT and Telecommunications Modern and Technical Apprenticeships at SCQF Levels 6 and 8

Our Software and Web Development Apprenticeships develop real world skills to design, test and maintain Software and Web systems.

Apprentices can specialise in Java, C# or Open Source so they gain the skills and technical grounding relevant to their job role in your organisation.

WHAT CAN THE APPRENTICESHIPS COVER?

Investigating and defining customer requirements
Software design fundamentals
Object-oriented computer programming
Event-driven computer programming
Testing IT and Telecoms systems
Diagnosing faults in IT and Telecoms systems
Data modelling
Web development and software
Database software
Soft skills including communications skills and customer care

PLUS CORE SKILLS IN:

Communication
Working with others
Problem solving
Information and Communication Technology
Numeracy

PLUS OPTIONAL TRAINING IN:

C# Track – Microsoft Software Development Fundamentals (Exam)
Java Track – Oracle Certified Associate, JAVA SE7 Programmer (Exam)
Open Source Track – Open Source Web Development, PHP fundamentals and SQL, Advanced PHP, WordPress and Magento
(Additional costs may apply)
Plus, for the duration of your apprenticeship, access to our training library where you can enjoy many additional IT and Tech modules relevant to your role or interests.

PROGRAMME STRUCTURE:

Modern Apprenticeship

10 – 12 months including access to online resources, including our e-learning platform. We provide learners access to their self paced and tutor led blended programmes. Assessor contact every 5 weeks, to support work based learning and self paced online content and assignments.

Technical Apprenticeship

12 - 14 months including access to online resources, including our e-learning platform. We provide learners access to their self paced and tutor led blended programmes. Assessor contact every 5 weeks, to support work based learning and assignments.



YOUR PROGRAMME CHOOSE YOUR PATHWAY

CHOOSE YOUR OWN CLASSROOM AND WORKPLACE
UNITS AND COURSES FROM:

MANDATORY UNITS

PERSONAL
EFFECTIVENESS

HEALTH & SAFETY IN
IT AND TELECOMS

INTERPERSONAL
AND WRITTEN
COMMUNICATION

CUSTOMER CARE FOR
IT AND TELECOMS
PROFESSIONALS

TYPICAL PATHWAYS

SOFTWARE DEVELOPER

WEB DEVELOPER

PROGRAMMERS

LEVEL 6 (SUGGESTED)

INVESTIGATING AND
DEFINING CUSTOMER
REQUIREMENTS 2

SOFTWARE DESIGN
FUNDAMENTALS

OBJECT ORIENTED
COMPUTER
PROGRAMMING 2

DATABASE SOFTWARE 3

EVENT DRIVEN
COMPUTER
PROGRAMMING 2

TESTING IT AND
TELECOMS SYSTEMS 2

DATA MODELLING 2

WEB DEVELOPMENT 2

WEBSITE SOFTWARE 3

LEVEL 8 (SUGGESTED)

INVESTIGATING AND DEFINING
CUSTOMER REQUIREMENTS FOR
IT AND TELECOMS SYSTEMS 3

TECHNICAL ADVICE AND
GUIDANCE 3

IT AND TELECOMS FAULT
DIAGNOSIS 3

TECHNICAL ADVICE AND
GUIDANCE 3

EVENT DRIVEN COMPUTER
PROGRAMMING 3

MANAGING SOFTWARE
DEVELOPMENT 2

TESTING IT AND TELECOMS
SYSTEMS 3

WEB DEVELOPMENT 3

LEADING TO:

MODERN
APPRENTICESHIP
INCLUDING SQA
DIPLOMA FOR IT AND
TELECOMMUNICATION
PROFESSIONALS
AT SCQF LEVEL 6,
PLUS CORE SKILLS
AND VENDOR
QUALIFICATIONS

TECHNICAL
APPRENTICESHIP
INCLUDING SQA
DIPLOMA FOR IT AND
TELECOMMUNICATION
PROFESSIONALS
AT SCQF LEVEL
8, PLUS CAREER
SKILLS AND VENDOR
QUALIFICATIONS

WHAT'S NEXT?

PROJECT
MANAGEMENT

INFORMATION
(CYBER) SECURITY

**TO START DEVELOPING
THE IT TEAM YOUR
BUSINESS NEEDS,
GET IN TOUCH TODAY!**

0345 074 7825
employanapprentice@qa.com

**PLUS MANY MORE OPTIONS THAT CAN BE DISCUSSED
WITH YOUR ACCOUNT MANAGER / ASSESSOR**

III
Skills
Development
Scotland

MODERN
APPRENTICESHIPS

OUTCOME MAP

Software Development L6 – Ten Outcomes on 10:2 Learning / Quality & Compliance Ratio

- Induction (Sign up)
- Week one readiness
- Post Induction Visit (ILP/Course planning)
- Interpersonal written communication

MONTH 1
MILESTONE 1

- Remote support visit
- 5 day .NET Fundamentals course
- Procedural Programming
- Event Driven Programming

MONTH 2
MILESTONE 2, 3

- Review visit
- 5 day Database and SQL course
- Database Software
- Data Modelling
- IT Software Fundamentals

MONTH 3
MILESTONE 4, 5

- Remote Support visit
- Personal Effectiveness
- Health and Safety

MONTH 4
MILESTONE 6

- Remote support visit

MONTH 8

- Review visit
- Core Skills

MONTH 7

- Remote support visit
- 5 day Web development course
- Website Software

MONTH 6
MILESTONE 9, 10

- Review visit
- 5 day .NET Advanced course
- Object Oriented Programming
- Testing IT systems

MONTH 5
MILESTONE 7, 8

- Review visit
- Core Skills

MONTH 9



Quality Assurance Checks

MONTH 10



Achievement and certification

MONTH 11

Present Certificate
New programme
(progression) induction

MONTH 12



OUTCOME MAP

Software Development L8 – Ten Outcomes on 10:2 Learning / Quality & Compliance Ratio

- Induction (Sign up)
- Week one readiness
- Post Induction Visit (ILP/Course planning)

MONTH 1

- Remote support visit
- Interpersonal written communication
- Personal effectiveness

**MONTH 2
MILESTONE 1, 2**

- Review visit

MONTH 3

- Remote Support visit
- 5 day Python course
- Event Driven programming
- Object Oriented Programming

**MONTH 4
MILESTONE 3, 4**

- Remote support visit
- Career Skills

MONTH 8

- Review visit
- 5 day CompTIA Net+ course
- Testing IT systems
- Principles of Information Security Testing

**MONTH 7
MILESTONE 7, 8**

- Remote support visit

MONTH 6

- Review visit
- Procedural programming
- Testing IT systems

**MONTH 5
MILESTONE 5, 6**



- Review visit
- Investigate and define customer requirements
- RPL
- Career Skills

**MONTH 9
MILESTONE 9, 10**



Quality Assurance Checks

MONTH 10



Achievement and certification

MONTH 11

**Present Certificate
New programme
(progression) induction**

MONTH 12