

NCFE Level 2 Certificate in Understanding Coding (Online)



Course Level: Level 2

Campus: Stafford

Subject Type: Computing, Technology & Esports

Course Overview:

Learning to code is essential in today's digital age. From your phone apps to Facebook and websites, everything is built with code. If you want to gain an introduction to coding, this qualification is for you.

It will help you progress into further studies and provide you with a strong foundation to enhance your digital knowledge. With the world evolving digitally, coding skills are more important than ever before.

This qualification is designed for learners who are looking to gain an introduction to coding. It will support the learner to progress into further study and support those interested in progressing to employment in a coding or IT related role.

What's Covered:

Unit 1: Understand the principles of coding

In this unit learners will gain knowledge of coding languages and the software development lifecycle. The learner will also learn about the job roles, functions and key skills requirements of a coding professional

- Section 1: Know about coding languages
- Section 2: Understand job functions in coding
- Section 3: Understand the software development lifecycle

Unit 2: Understand terminology used in coding

In this unit, the learner will understand basic computer terminology in relation to coding. They will also learn about coding acronyms, terminology and the key principles of writing code.

- Section 1: Understand basic computer terminology
- Section 2: Understand coding acronyms and terminology
- Section 3: Understand key principles when writing code

Unit 3: Understand coding design principles

In this unit the learner will gain knowledge of different coding types and the advantages and disadvantages of their use. The learner will also understand the use of pure functions.

- Section 1: Know about different coding types
- Section 2: Understand what is meant by compiled and interpreted code
- Section 3: Understand what is meant by a pure function

Unit 4: Understand the processes and practice of coding

In this unit the learner will understand best practice in coding, methods of testing used and DevOps processes

- Section 1: Understand the principles of best practice in coding
- Section 2: Understand the methods of testing code
- Section 3: Understand DevOps processes
- Section 4: Understand the importance of robust coding

Unit 5: Understand the importance of communication and project management in coding

In this unit, the learner will understand the importance of communication for those working in a coding environment. They will also learn about project management principles and Agile developments.

- Section 1: Understand the importance of communication
- Section 2: Understand the purpose of feedback in developing communication skills
- Section 3: Understand the principles of project management
- Section 4: Understand Agile developments

Entry Requirements:

Learners may find it helpful if they've already achieved a Level 1 Digital Skills or Information Technology related qualification.

Assessment Information:

This is an online learning course and will require the learner to commit to self study hours in order to complete the assessments.

Each learner will be assessed via interactive online resources and end of unit assessment questions. Assessments must be completed in the agreed timescale and submitted to the assessor who will then provide feedback, advice and guidance, and, additional support where needed.

Fees and Financial Support:

This course is FREE to adult learners aged 19+who are living legally within the UK

Progression:

- NCFE Level 3 Certificate in Coding Practices
- NCFE Level 3 Certificate or Diploma in IT User Skills
- Level 3 Certificate in Programming.

How do I find out more?

For more information, please get in touch by contacting Kate Curtis on 01785 275594 or email kate.curtis@nscg.ac.uk