

Qualification factsheet

Qualification overview

Qualification title	NCFE Level 4 Award in Programming		
Qualification number (QN)	603/7501/2		
Total qualification time (TQT)	105	Guided learning hours (GLH)	65
Entry requirements	<p>Entry is at the discretion of the centre. However, learners should be aged 19 or above to undertake this qualification.</p> <p>There are no specific prior skills/knowledge a learner must have for this qualification. However, learners may find it helpful if they have already achieved a level 3 qualification.</p>		
Pathways	<p>603/7501/2/PYT (Python pathway) 603/7501/2/C# (C# pathway) 603/7501/2/PHP (PHP pathway) 603/7501/2/JAV (Java pathway)</p>		

About this qualification

The NCFE Level 4 Award in Programming (603/7501/2) is designed to give learners the knowledge and skills to enter work in a programming role.

The objectives of this qualification are to enable learners to:

- understand and use the fundamentals of programming, including:
 - how code and algorithms work
 - data types, variables, statements, key words and syntax
 - functions, objects, classes and libraries
- understand and demonstrate how to debug and test code
- understand the significance of emerging technology when working in programming
- understand and use programming concepts that are specific to their chosen programming language
- plan, create and review a program in their chosen programming language

Qualification structure

To be awarded the NCFE Level 4 Award in Programming (603/7501/2), learners are required to successfully complete **2** mandatory units, consisting of the core unit and a pathway unit of choice:

- H/618/7116 – The fundamentals of programming (core unit)
- K/618/7117 – Developing a program in Python (Python pathway)
- M/618/7118 – Developing an app in C# (C# pathway)
- T/618/7119 – Using PHP for web development (PHP pathway)
- A/650/0655 – Developing a web application using Java (Java pathway)



Mandatory unit

The fundamentals of programming (H/618/7116)
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Optional units

Developing a program in Python (K/618/7117)
Developing an app in C# (M/618/7118)
Using PHP for web development (T/618/7119)
Developing a web application using Java (A/650/0655)

Assessment

The assessment consists of one component:

- an internally assessed portfolio of evidence which is assessed by centre staff and externally quality assured by NCFE (internal quality assurance must still be completed by the centre)

Placement requirements

Experience in the workplace is not required for this qualification.

Progression opportunities

Learners who achieve this qualification could progress onto the following qualifications and employment roles:

- level 5 in computing
- programmer
- backend developer
- web developer
- app developer
- data scientist
- software engineer
- software developer
- game developer
- computer systems analyst
- network systems administrator

More information

Please refer to the qualification specification and the support handbook on the qualification page of the NCFE website for more information.



Contact us

NCFE
Q6
Quorum Park
Benton Lane
Newcastle upon Tyne
NE12 8BT

Tel: 0191 239 8000*
Fax: 0191 239 8001
Email: customersupport@ncfe.org.uk
Website: www.ncfe.org.uk

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