

Computing, Digital and IT

Software Development Technician Level 3 Apprenticeship

In Brief

Start Date / Duration

This apprenticeship programme can be started at any time and will typically run for 18 months.

Entry Requirements

Individual employers will set the selection criteria, but this might include five GCSEs and/or A levels, a Level 2 Apprenticeship, other relevant qualifications and experience, or an aptitude test with a focus on functional maths.

You will need to find an employer to employ you as an apprentice. Please see our [Apprenticeship vacancies](#).

You will achieve

Level 3 Software Development Technician Apprenticeship Standard.

Course Overview

Looking to kickstart your career in software development? Our Software Development Technician Apprenticeship offers hands-on experience in coding, security, and data integration. Learn to write and test simple code, apply secure development principles, and manage version control. Delivered as part of the South Yorkshire Institute of Technology [<https://www.barnsley.ac.uk/syiot/>], this course equips you with essential technical skills for an exciting career.

Visit the Institute for Apprenticeships website

[<https://www.instituteforapprenticeships.org/apprenticeship-standards/software-development-technician/>] for more information.

Course Content

Love Programming? Then join us and make an exciting start to your career as a Software Development Technician.

Interpreting simple design requirements and understanding what's required and how you're going to create it, is all part of the journey to becoming a strong software developer.

Our Software Developer Technician apprenticeship equips learners with the technical skills they need to build competency within their role, developing a core set of technical and academic skills. This covers an array of subject areas such as:

- Logic: writing simple code for discrete software components following an appropriate logical approach to agreed standards (whether for web, mobile or desktop applications)
- Security: applying appropriate and secure development principles to specific software components all stages of development
- Development support: applying industry standard approaches for configuration management and version control to manage code during build and release
- Data Integration: simplifying connections between code and defined data sources as specified
- Testing: testing deliverables for errors and fit-for-purpose
- Analysis: following basic analysis models such as use cases and process maps
- Development lifecycle: understanding and implementing different methodologies (where required)
- Quality: following organisational and industry good coding practices (including those for naming, commenting etc.)

Additional skills developed and learnt on this standard include:

- Problem solving
- Understanding business context and market environments
- Responding to the business environment and change
- Improving Communication

Logo for the Institute of Technology logo [<https://www.barnsley.ac.uk/syiot/>]

How will I be assessed?

On Programme Assessment will include a mixture of:

- Practical demonstrations
- Work based projects
- Written assessments
- Portfolio
- Observations
- End-point Assessment

What Equipment Will I Need?

You will need to provide your own writing materials and a USB stick.

Where will I study?

You will study within the workplace and attend classes at Barnsley College's SciTech Digital Innovation Hub.

What can I do next?

You can progress onto higher level degree and/or apprenticeship study or apply for a vast array of digital roles that include:

Software Development Technician, Junior Developer, Junior Web Developer, Junior Application Developer, Junior Mobile App Developer, Junior Games Developer, Junior Software Developer, Junior Application Support Analyst, Junior Programmer, Assistant Programmer and Automated Test Developer.

See what careers are available in the Computing [<https://www.barnsley.ac.uk/app/uploads/2023/10/Computing-careers-2023-24.pdf>] and Games [<https://www.barnsley.ac.uk/app/uploads/2023/10/Games-Design-careers-2023-24.pdf>] sectors. Use our online careers tool, Career Coach [<https://barnsley.lightcastcc.com/?radius=®ion=Barnsley>] , to find out what your next steps could be.

How much does the course cost?

There is no cost to being an apprentice. All costs associated with your apprenticeship, including the cost of training and your salary, will be paid by your employer.

Financial support

You may be eligible for assistance with expenses such as travel, books, equipment and childcare. For further information please contact the Student Services Team on 01226 216 267.

Extra information

Contact the Apprenticeship Team

For further information please contact the team on 01226 216 166 or email: apprenticeships@barnsley.ac.uk [<mailto:apprenticeships@barnsley.ac.uk>]

Want to join Barnsley Sports Academy and Honeywell Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [<https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/>] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy [<https://www.barnsley.ac.uk/barnsley-sports-academy/>] .

Additional Learning Support

Our Additional Learning Support team can provide you with the support you need. Call 01226 216 769 for further information.

English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't hold a grade C/4 or above in GCSE English and Maths, you will automatically be included in your study programme. If you want to work towards achieving a higher grade in English and Maths, we can help you do that too and we offer Level 3 Mathematical Studies (Core Maths) which can be added to your study programme.

If you're aged 19 or above and don't hold a a grade C/4 or above in GCSE English and Maths we can help. We offer FREE English and Maths qualifications that can be studied on a part-time basis, subject to eligibility.

If you need any further information, please contact our Information Team by calling 01226 216 123 or emailing info@barnsley.ac.uk [mailto:info@barnsley.ac.uk]

Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

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Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started

Call us on **01226 216 123**