Barnsley College

Computing, Digital and IT

Digital Production Design and Development (Software development) Level 3 T Level

In Brief

Start Date / Duration

This programme starts in September 2024 and takes two years to complete.

Entry Requirements

- Five GCSEs at grade 4 or above including English and Maths
- You may also require a DBS

You will achieve

Level 3 Digital Production Design and Development (Software development) T Level.

Course Overview

T Levels are courses for 16 to 18 year olds that are studied at the same level as A Levels. They are for young people who prefer a more technical education when they come to College, rather than following a purely academic pathway, or a work-based apprenticeship.

T Levels are two-year, Level 3 study programmes that will follow the study of GCSEs and Technical Awards at Key Stage 4 and offer an attractive alternative to A Levels and apprenticeships.

T Levels will combine classroom theory, practical learning and a minimum of 45 days industry placement with an employer to make sure you have real experience of the workplace.

You will also need to achieve a minimum standard of English and Maths; GCSE grade 4 or above. The Technical Qualification (TQ) is the main classroom-based element of the T Level and will see you learning from a qualification that has been shaped by industry experts.

During the two-year programme, you will learn the core knowledge that underpins each industry and will also develop occupationally specific skills that will allow you to enter skilled employment within a specific occupation.

The T Level programmes have been developed in collaboration with employers and businesses so the content will meet the needs of industry and prepare students for work. They provide the knowledge and experience needed to open the door to highly skilled employment, an apprenticeship or higher-level study, including university.

Course Content

Our T Level in Digital Production Design and Development (Software development) T Level offers you an attractive alternative to A Levels and apprenticeships. Designed with employers to give you the industry skills you need in order to start your career within the digital industry, you will cover digital-related topics such as:

- Business Contexts – from infrastructure design to managing change.
- Digital Culture – covering ethical/moral issues.
- Data Analysis – with data capture, collection, visualisation and modelling.
- Digital Analysis – understanding algorithms, abstraction, pattern recognition and decomposition.
- Digital Environments – covering system fundamentals for physical, virtual and cloud computing.
- Diversity and Inclusion – understanding and valuing differences, sensitivities and equality.
- Digital Learning – covering emerging technologies, internet of things (IoT), artifical intelligence (AI), augmented reality (AR), computer graphics (3D).
- Digital Legislation and Security – from data protection and intellectual property to security and data sharing.
- Planning and Programming/Software Development – building project plans, integrating software development lifecycle (SDLC), critical paths, application and solution development.
- Testing and Tools – covering testing methods/types, industry-based digital tools and usability/user experience (UX) user interface(UI) testing.

This specialist course will also allow you to enhance your broader skills in literacy and numeracy, develop transferable skills in communication (working with real colleagues, customers and clients) and undertake research and live project development work.

Whilst engaging with specialist tutors, support staff and work placements co-ordinators, you will also be required to complete an industry placement of at least 45 days – providing the much needed real-world experience needed for this industry.

How will I be assessed?

In the first year you will be expected to complete two paper-based exams.

In the second year, you will complete an employer-based coursework assessment:

- Core components will be assessed through a project set by employers from within the industry and two externally-set tests.
- Occupational specialisms will be assessed through a defined project that is created in conjunction with relevant employers and supported by specialist tutors on programme.

In addition, you must complete an industry placement, lasting a minimum of 315 hours.

What Equipment Will I Need?

Memory stick, pen and paper.

Where will I study?

SciTech Digital Innovation Centre
Falcon Street
Barnsley

S70 2EY

What can I do next?

Employment, University, Apprenticeship.

Many students go onto university after completion to study a wide range of computing subjects. Due to the wide variety of skills acquired by learners, this could be: networking, software development, games design, computer science, big data analytics, cyber security, social media and business.

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=&region=Barnsley] , to find out what your next steps could be.

How much does the course cost?

16 – 18 year olds

Full-time Barnsley College students aged 16-18 years old do not have to pay tuition fees.

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 +44 (0)1226 216 267.

Extra information

Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email info@barnsley.ac.uk [mailto:info@barnsley.ac.uk]

Want to join Barnsley Sports Academy and the 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. Please contact them on +44 (0)1226 216 769.

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 already have a grade C/4 or above in GCSE English and Maths they will automatically be included in your study programme. If you want to work towards higher grades in English and Maths we can help you do that too.

Need a higher level Maths qualification? We offer a Level 3 Mathematical Studies (Core Maths).

This can be added to your study programme.

If you need any further information, please contact our friendly Information Team.

Disclaimer

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

Last updated: 27th June 2024

> **Want to apply?**
>
> Visit **https://www.barnsley.ac.uk/apply** to get started
> Call us on **01226 216 123**