Working together to transform lives

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Software Development (Extended Diploma)



Subject Area	Digital
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	2 Academic Years
Start Date	September 2027
Course Code	PA000022

View on **bradfordcollege.ac.uk**

Course Summary

Build Apps, Solve Problems, Shape the Future

If you love tech, enjoy problem-solving, and are curious about how software and apps are made, this course is for you. You'll explore how digital tools are created and used across industries and develop real coding and IT skills that employers are looking for. From designing apps to understanding networks, this hands-on course gives you everything you need to kickstart a career in computing, or to go on to university.

Why choose this course?

- Hands-on Learning – You'll build real software and digital solutions while learning how technology powers the world around us.
- Industry Connections – We work closely with local IT companies, so you'll get real-world experience and insights through work placements.
- Recognised Qualification – This course is equivalent to three A Levels and is widely respected by universities and employers.
- Skills That Matter – Learn technical skills aligned with top industry vendors.

Is this course for me?

- You enjoy finding out how apps, games, or websites are made and want to learn how to build your own.
- You enjoy thinking logically and working through challenges.
- You prefer hands-on projects and real-life scenarios.

This course is a part of **Ambition [HUB]**, an exclusive Level 3 stretch and challenge for chosen students.

Apply now and get hands-on with the skills, tools, and experiences that could shape your future in software development.

What You Will Learn

Skills you'll develop:

- Creative Design Thinking – Learn how to plan and design applications, websites, and digital solutions with users in mind.
- Practical Coding Skills – Build websites using HTML, CSS, and JavaScript, and develop software with programming languages like C#.
- App Development – Explore how to design and build mobile apps, taking your ideas from concept to creation.
- Problem Solving – Tackle real-world challenges with logical thinking and technical know-how, using problem-based learning tasks.
- Testing and Debugging – Understand how to test your software, fix issues, and improve your code—just like professionals do.
- Independent Learning – Grow your confidence as a self-motivated learner, with projects that encourage research and initiative.
- Teamwork and Collaboration – Work on group projects where you'll share ideas, listen to others, and collaborate to create something great.
- Time Management – Balance multiple tasks and meet project deadlines—skills that will help you in any future job or study path.
- Communication Skills – Present your ideas clearly, both in writing and verbally, and explain technical concepts in a way others can understand.

Modules

Core modules:

- Application Design

- Project Management
- Software Engineering for Business
- Web Design and Prototyping
- Product Development
- Cognitive Computing
- Mobile Technologies
- The Internet of Everything

Entry Requirements

Entry to this course requires 4 GCSEs at grade 4 or above, including GCSE English Language and Maths, or Level 2 IT qualification as well as GCSE English and Maths at grade 4 or above.

Work Experience

Gain hands-on experience in real-life industry settings!

For this course you will complete compulsory work experience, where you'll dive into the world of work and gain the skills employers are looking for. You will:

- Get hands-on and work on real projects.
- Boost your confidence and learn how to plan tasks, meet deadlines, and make smart decisions.
- Collaborate with professionals and see how great ideas come to life when people work together.
- Understand how to maintain a safe and productive work environment.
- Be part of a workplace that values diversity and promotes equality.

With this, you'll have hands-on experience to showcase on your CV, showing your industry skills to employers.

Progression

After completing this course, you'll be ready to pursue:

- Degrees in Computer Science, Software Engineering, or IT Systems and Networking.
- Higher Apprenticeships in Software Development, Cyber Security, or Digital

Solutions.
- Roles such as Junior Software Developer, Web Developer, or IT Support Technician.

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