

Level 7 MSc Software Engineering (Integrated Degree).

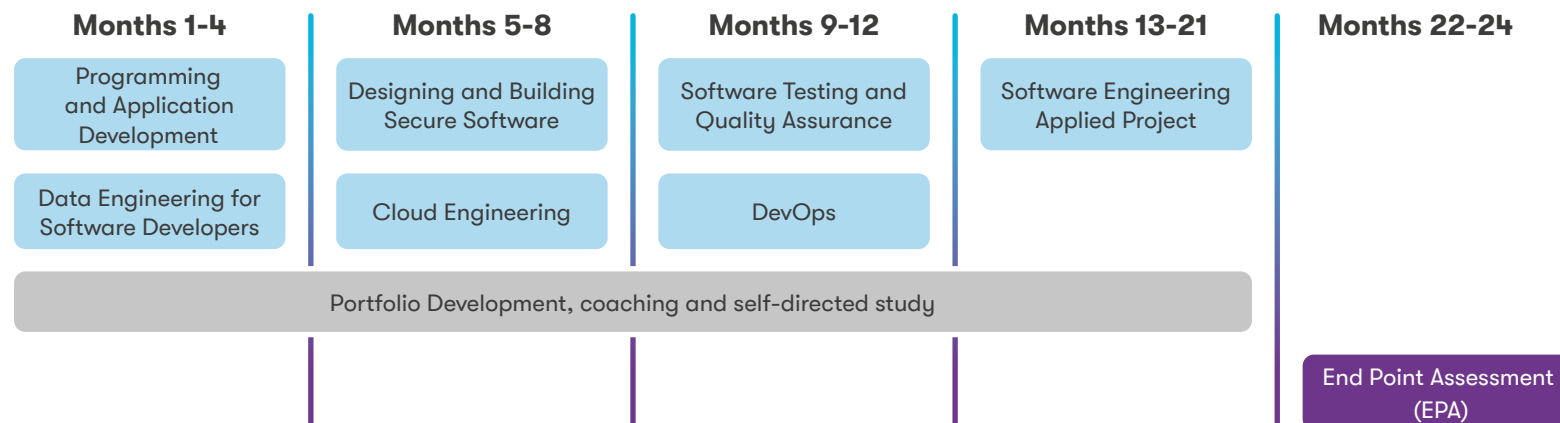
This apprenticeship has been designed to meet the increasing market demand for practical postgraduate qualifications, ideal for professionals either working within or aspiring to be part of the rapidly changing field of software engineering. It aims to create a new generation of technology talent who could become confident leading professionals able to operate across a range of technical roles.

Suitable for employees who work in digital and technology roles, the programme develops the knowledge, understanding and skills for you to pursue and sustain a career in software engineering or technical test engineering, with a focus on leadership skills and critical thinking. The programme will give you the skills to operate in high level software engineering roles, driving growth in your organisation through new products, services and productivity by using digital technologies.

Entry requirements for this programme are set by individual employers, but must include one of the following:

- A minimum of a 2:1 honours degree in a related subject (e.g. STEM) from a UK or recognised international university; or
- Applicants with less than the required level of academic qualification may be considered if they have significant work experience and/or a relevant professional qualification in the field of software engineering; and
- Maths: GCSE grade C or grade 4 or equivalent
- English: GCSE grade C or grade 4 or equivalent

24-month programme (inc. EPA)



Qualification achieved

- 📄 Level 7 Digital and Technology Solutions Specialist Software Engineering (Integrated Degree Apprenticeship)

Structure and commitment

🗨️ Online coaching

Regular one-to-one support from your dedicated Coach (*Between 1-2 hours per month*)

💻 Online module delivery

Weekly online live webinars to support your studies (*two 2-hour sessions each week, one per module*)

📖 Guided self study and workplace application

Comprehensive inductions to assignments and detailed guidance to maximise your opportunities for on-the-job training

Additional benefits

- ✓ Programmes are co-designed with top employers to make them relevant and impactful to your performance
- ✓ Our blended learning approach focuses on building high performing professionals. The EPAO panel is formed of industry professionals who benchmark to industry standards
- ✓ Industry experienced tutors and Coaches, developing professional skills and ensuring practical application from outset
- ✓ Access learning materials 24/7 from The Hub – your online learning environment, which offers learning on the go with an app for Android and iOS
- ✓ BPP Virtual Campus – provides mentoring, networking and social groups with peers

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Programme modules

Programming and Application Development

Develop your programming knowledge, skills and capabilities through a review of basic programming concepts, moving to more advanced aspects of programming.

Data Engineering for Software Developers

Gain the necessary knowledge, skills, and tools for the effective use of data analytics to enhance business intelligence and enable organisations to make educated decisions.

Designing and Building Secure Software

Understand the importance of incorporating security into software from the design stage, reducing the chance of software being compromised during implementation and/or operation.

Cloud Engineering

Gain knowledge and skills in all aspects of Cloud Engineering including the process of designing, building, deploying, and managing applications and infrastructure on various cloud computing platforms.

Software Testing and Quality Assurance

Understand the importance added to the quality of software by testing it during development, ensuring it meets client expectations with no variance to its functionality.

DevOps

Learn the benefits to organisations of implementing DevOps in the development of services and applications, familiarising yourself with the various tools and techniques used in the process.

Software Engineering Applied Project

Develop leadership and digital transformation skills and knowledge to change the way organisations operate and deliver value to their customers. Integrate digital technologies into all aspects of an organisation's operations. Undertake the challenge of applying your knowledge, skills, and experience towards the development of a solution to a real-world problem.