

DIGITAL AND TECHNOLOGY SOLUTIONS PROFESSIONAL (INTEGRATED DEGREE) APPRENTICESHIP LEVEL 6

DELIVERED BY GLOUCESTERSHIRE COLLEGE AND UWE BRISTOL

UWE Bristol | University of the West of England



For new or existing staff

A Digital & Technology Solutions Professional provides technology enabled solutions to internal and/or external customers, in a range of areas including software, business and systems analysis, cyber security, data analysis and network infrastructure. They implement technology solutions that enable businesses to develop new products and services and to increase an organisations productivity using digital technologies.

They are confident, competent and capable independent Technology Solutions Professionals able to operate in a range of related roles. The occupation is based upon a core set of outcomes that will be supplemented by the software engineer, network engineer, and cyber security analysis specialism areas.

Qualification

BSc (Hons) in Digital & Technology Solutions

Completers may want to progress to Digital and Technology Solutions Specialist Integrated Degree Level 7

Delivery model and duration:

Workplace assessment and college block delivery

Duration: 36 months plus 6 months for End Point Assessment

Ideal for:

- Software Developer

The apprenticeship will cover the following core areas:

- Information Systems
- Systems Development
- Data Management
- Business Organisation
- IT Project Management
- Computer and Network Infrastructure
- Software Engineer (Specialism)
- Network Engineer (Specialism)
- Cyber Security Analyst (Specialism)

Entry Criteria:

3 A Level's including Maths or other relevant qualifications or experience equivalent to 120 UCAS points

Benefits to business:

- Develop the skills your business needs
- Get qualified and motivated staff
- Future proof your business
- Professional qualifications for your staff

Benefits for learners:

- Achieve an honours degree from UWE Bristol
- Develop skills that will increase your career potential
- Get support from industry experienced staff

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GC
Gloucestershire College

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Components

- BSc (Hons) in Digital & Technology Solutions

End Point Assessment

The final assessments consist of a project and presentation:

- The work based project takes place near the end of the apprenticeship. It is a substantial piece of work typically lasting 6 months and covers the skills, knowledge and behaviours defined in the standard.
- The presentation covers the project problem domain, approach, outcomes and the skills, knowledge and behaviours demonstrated.

Both elements are assessed in partnership by employer and university.

Year	Overview
Year 1	<ul style="list-style-type: none">• Fundamentals of Software Development• Computer Networks & Protocols• Business Security• Database Development• Professional Practice I• Intro to Project Management
Year 2	<ul style="list-style-type: none">• WebApp Development• Object Oriented Software Design and Development• Professional Practice II (SUMMER)• Project Change Control & Quality Management• Internet of Things
Year 3	<ul style="list-style-type: none">• Cloud Computing Platforms• Pathway specific modules
Year 4	<ul style="list-style-type: none">• Degree Apprenticeship Synoptic Project (EPA only)