Digital and Technology Solutions Professional

About the programme:

The Digital and Technology Solutions Professional Degree Apprenticeship BSc (Hons) is designed to ensure learners become competent and efficient IT professionals who can deliver efficient business transformation through digital and technology solutions. By integrating academic learning with practical training in the workplace, learners have an increased understanding of their organisation's unique business needs..

This programme is aligned to the Level 6 apprenticeship standard which provides learners with a core set of key knowledge, skills and behaviours, while offering the opportunity to focus on one of three specialisms, enabling tailored learning to specific business needs.

Specialisms offered:

- Data Analysis
- Network Engineering
- Software Engineering

This standard is allocated a Funding Band of £27,000 by the Education and Skills Funding Agency.

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What are the entry requirements?

All applicants need to be employed by an organisation in the UK (not self-employed) in a role that provides them with the experience and exposure to a range of relevant business areas. This will ensure that learners can complete all elements as required by the standards

- 5 GCSEs at grade C or above, including English and Mathematics or equivalent

- 104 UCAS points from at least two A-Levels or equivalen

(Other qualifications may also be considered if the apprentice does not hold A-Levels)

This will ensure that apprentices can complete all elements as required. Each applicant will be individually assessed on their eligibility, qualifications and work experience.

What is the delivery model?

Learners will be taught in blocks of one week at a time, each comprising four days of teaching followed by one day of revision.

Learners may be taught through a combination of lectures, tutorials, seminars, group work, laboratory sessions, practical sessions and self-directed study.

Learners will undertake a range of assessments at the end of their academic modules. Our assessment practices reflect the best practices in teaching methods deployed by academic members of staff each year.

Learners will complete a work-based project in their final year which will bring together their accumulated knowledge. Learners must also create a portfolio which will capture the knowledge, skills and behaviours developed throughout the programme and in the workplace.

DMU Apprenticeships

dmu.ac.uk/apprenticeships

What is the duration of the apprenticeship?

The programme duration is three years and a half (39 months for the taught course) followed by 3 months for the End Point Assessment.

What modules will be studied?

Software Engineer	Data Analyst	Network Engineer
Design, build and test high-quality software solutions to meet business needs	Collect, organise and study data in order to make recommendations to improve business performance	Design, install, maintain and support communication networks within and between organisations

Learners in all pathways will study the same core modules. In the first year, modules that provide solid grounding in foundational computing topics are studied.

Year 1 Modules (Core)	Year 2 Modules (Core)	Year 3 Modules (Core)
Computer Programming	Agile Thinking in Project Management	Digital Technology Economics
Devices, Networks and Emerging Technologies		
Requirements Engineering	Business Structure and Operations	Enterprise Security and Privacy
The IT Professional		
Information and Data Management	Work Based Learning 2	DTSP Synoptic Projected EPA
Work Based Learning 1		

From the second year, learners will begin work on their chosen specialism. The three different specialisms offer unique options in addition to the core content. Examples of these options include; Relational and Non-Relational Databases, Data Analytics and Visualisation, DevSecOps, Routing and Switching, Cloud and Edge Computing, Object Oriented Development, Rigorous Systems, etc.

Discover, Develop, Deliver.

Q&A
ENTERPRISE AND BUSINESS SERVICES