



Programme Specification

Financial Technology [Frenchay]

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Section 1: Key Programme Details

Part A: Programme Information

Programme title: Financial Technology [Frenchay]

Highest award: MSc Financial Technology

Interim award: PGCert Financial Technology

Interim award: PGDip Financial Technology

Awarding institution: UWE Bristol

Teaching institutions: UWE Bristol

Study abroad: No

Year abroad: No

Sandwich year: No

Credit recognition: No

School responsible for the programme: CBL Bristol Business School, College of Business and Law

Contributing schools: CATE School of Computing and Creative Technologies

Professional, statutory or regulatory bodies: Not applicable

Modes of delivery: Full-time, Part-time

Entry requirements: For the current entry requirements see the UWE public website.

For implementation from: 01 September 2024

Programme code: N3I212

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: Financial Technology is at the core of disruptive transformation in financial and professional services industries with applications in, and implications for, business operations and effectiveness across the whole global economy. Bristol is a burgeoning fintech hub with global reach and increasing numbers of new employers and entrepreneurs, drawn to the skilled talent pool and favourable business environment in the region. There is a rapidly growing demand for graduates who combine technical data and systems understanding with business acumen and knowledge of the industries in which the technologies have maximum impact and application. This programme aims to meet this demand.

The programme aims to develop students to address the fast developing and pervasive impact of disruptive technologies in the financial and professional services industries, providing them with a distinctive and sought after portfolio of knowledge and skills. Students will be able to synthesise their learning in finance and technology to identify and evaluate opportunities and future trends in fintech. The programme draws on the expertise of academics and practitioners in data and computer science, in finance, regulation (legal / reg tech), enterprise and business. Partnerships with the Fintech industry are embedded in the teaching and assessment strategies to ensure cutting edge currency in applied knowledge and skills. Close collaboration with thought leaders and industry partners will create opportunities for students to develop their business networks and identify career opportunities as an integral part of their programme.

Features of the programme: Creativity, innovation and enterprise are at the core of the learning experience, encouraging students to apply their learning and explore new ideas and applications through live project activities and collaborative assignments linked with real industry challenges. This will enable an applied and deep strategic understanding of the theoretical and practical underpinnings of existing and emerging trends. Students will gain globally transferable skills in data science and finance enabling them to design, create, use and adapt FinTech solutions in a rapidly evolving and global market context.

The resources of the Bloomberg Trading Room and specialist data management programmes are embedded in teaching activities. Students may also engage with the entrepreneurs in the Future Space incubator and with researchers in the Big Data Lab.

Educational Aims: The Programme aims to develop graduates with both data science and financial knowledge and technical and personal skills appropriate for future roles in the fintech business environment. Students will be enterprising future thinkers, creative problem solvers and networked team players with a deep understanding of the fintech environment and the opportunities within it, equipped to succeed in a disruptive and transformational business landscape.

The aims of the programme are to develop students who:

Demonstrate deep applied knowledge and skills in data science and finance for a successful career in Financial Technology

Synthesise knowledge and skills in finance and technology to address complex problems and propose creative solutions in Fintech

Demonstrate advanced business communication, collaborative teamwork and leadership skills

Effectively manage their personal and professional development

Critically evaluate legal and ethical boundaries in fintech innovation and their role as socially responsible global citizens

Programme Learning Outcomes:

On successful completion of this programme graduates will achieve the following learning outcomes.

Programme Learning Outcomes

- PO1. Apply skills and knowledge in data science and finance to design, create, use and adapt FinTech solutions across a variety of contexts
- PO2. Synthesise knowledge and skills in finance and technology to identify and evaluate opportunities and future trends in Fintech
- PO3. Apply a deep strategic understanding of the theoretical and practical underpinnings of existing and emerging trends in Fintech
- PO4. Undertake in depth research through design, data collection , analysis and synthesis to address complex problems in Fintech innovation
- PO5. Work effectively in teams and collaborate in interdisciplinary projects
- PO6. Communicate complex material effectively and efficiently, customised to the needs and level of the intended audience
- PO7. Demonstrate reflexivity and the ability to identify and develop a skillset appropriate for a chosen career in FinTech
- PO8. Critically evaluate legal, technical and ethical challenges and reflect on the importance of ethical decision making in the Fintech business environment

Assessment strategy: The assessment strategy has been designed to test the programme learning outcomes.

Student support:

Part B: Programme Structure

Year 1

Full-time students must take 180 credits from the modules in Year 1.

Part-time students must take 120 credits from the modules in Year 1.

Year 1 Compulsory Modules (Full-time)

Full-time students must take 150 credits from the modules in Compulsory Modules (Full-time).

Module Code	Module Title	Credit
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UMADRH-15-M	Finance for Fintech 2024-25	15
UMADXD-60-M	Fintech Project 2024-25	60
UF CFWQ-45-M	Interdisciplinary Group Project 2024-25	45
UF CFVQ-15-M	Programming for Data Science 2024-25	15
UMADRK-15-M	The Fin Tech Environment 2024-25	15

Year 1 Compulsory Modules (Part-time)

Part-time students must take 90 credits from the modules in Compulsory Modules (Part-time).

Module Code	Module Title	Credit
UMADRH-15-M	Finance for Fintech 2024-25	15
UMADXD-60-M	Fintech Project 2024-25	60
UF CFVQ-15-M	Programming for Data Science 2024-25	15

Year 1 Optional Modules (Full-time and Part-time)

Full-time and Part-time students must take 30 credits from the modules in Optional Modules (Full-time and Part-time).

Module Code	Module Title	Credit
UF CF8H-15-M	Big Data 2024-25	15
UF CFXQ-15-M	Blockchain and Cryptocurrency 2024-25	15
UF CFLR-15-M	Data Management Fundamentals 2024-25	15
UF CE8J-15-M	Designing the User Experience 2024-25	15
UMACRM-15-M	Financial Institutions and Banking 2024-25	15
UMADEQ-15-M	Financial Investments in Practice 2024-25	15
UF CFHJ-15-M	Information Security 2024-25	15

UJGUPK-15-M	International Financial Crime 2024-25	15
UFCFMJ-15-M	Machine Learning and Predictive Analytics 2024-25	15
UMACRN-15-M	Portfolio Management 2024-25	15

Year 2

Part-time students must take 60 credits from the modules in Year 2.

Year 2 Compulsory Modules (Part-time)

Part-time students must take 60 credits from the modules in Compulsory Modules (Part-time).

Module Code	Module Title	Credit
UFCFWQ-45-M	Interdisciplinary Group Project 2025-26	45
UMADRK-15-M	The Fin Tech Environment 2025-26	15

Part C: Higher Education Achievement Record (HEAR) Synopsis

The programme develops students to address the fast developing and pervasive impact of disruptive technologies in the financial and professional services industries, providing them with a distinctive and sought after portfolio of knowledge and skills. Students combine technical data and systems understanding with financial knowledge and business acumen to be creative problem solvers and enterprising future thinkers, able to embrace challenges and opportunities in the industries in which financial technologies have maximum impact and application.

Part D: External Reference Points and Benchmarks

The programme has been developed in line with the UK QAA Benchmark standards for Masters degrees and the academic standards of AACSB accreditation.

Part E: Regulations

Approved to University Regulations and Procedures.