

## Programme Specification Pro-forma (PSP)

### 1. GENERAL INFORMATION

1. Programme Title:	Master of Science in Financial Technology
2. Final Award:	Master of Science in Financial Technology
3. Exit Awards:	Postgraduate Certificate in Financial Technology Postgraduate Diploma in Financial Technology Master of Science in Financial Technology
4. Awarding Body:	Glasgow Caledonian University
5. Period of Approval:	September 2023 to January 2027
6. School:	Glasgow School <i>for</i> Business and Society/School of Computing, Engineering and the Built Environment
7. Host Department:	Finance, Accounting and Risk
8. UCAS Code:	
9. PSB Involvement:	None
10. Place of Delivery:	Any GCU Campus, Online Distance Learning
11. Subject Benchmark Statement:	QAA Benchmarks for Computing and Finance: Computing (2019)
12. Dates of PSP Revision:	April 2023

### 2. EDUCATIONAL AIMS OF THE PROGRAMME

Financial Technology (FinTech) is a multidisciplinary area in the intersection of finance and computer science. It has been a source of radical change in the operations, services and products offered by financial services industries. This transformation has been driven by the advances in communication networks and the portability and affordability of computing hardware and software. The derived technologies have permeated all aspects of social, cultural, and economic life and its rapid development has changed consumers' expectations of how they engage with financial institutions.

The proposed Master of Science in Financial Technology (FinTech) will prepare students for a career in the financial services with an emphasis in technologies and data management. In addition to the fundamental skills and knowledge of finance, students will be exposed to leading edge concepts in artificial intelligence (AI), blockchain (cryptocurrencies), and big data analysis amongst other emerging topics. The interdisciplinary curriculum will draw on GCU's expertise in diverse areas of finance including regulation, risk analysis, modelling, and securities and investments within the framework of systems architecture, software development, and data management. The content and teaching strategies are designed to help students gain the essential skills and knowledge to prepare them to grow as professionals within the changing landscape of the banking & finance industry.

#### Aim:

The aim of the MSc in Financial Technology is to prepare students to provide up-to-date support and solutions in current technological trends to financial service providers by gaining the skills and knowledge necessary to understand, design, and implement software solutions

#### 4. PROGRAMME STRUCTURES AND REQUIREMENTS, LEVELS, MODULES, CREDITS AND AWARDS

##### SCQF Level 11

<u>Module Code</u>	<u>Module Title</u>	<u>Credit</u>
MMN330194	Bank Risk Management	15
MMI226822	Software Development for Data Science	15
MMI226824	Artificial Intelligence and Machine Learning	15
MMN327046	Research Methods for Finance	15
MMI226820	Data Ethics and Research Methods	15
MMN330195	Banking and Financial Regulation	15
MMN327060	Fundamentals of Financial Technology	15
MMN324976	Financial Risk Modelling	15
MMI226820	Data Visualisation	15
MMN327047	Finance Research Project	45

##### **Exit Award – Postgraduate Certificate in Financial Technology**

##### **Exit Awards – Postgraduate Diploma in Financial Technology**

All taught modules

**120**

##### **Exit Award – Master of Science in Financial Technology**

**180**

#### 8. ASSESSMENT REGULATIONS

*Students should expect to complete their programme of study under the Regulations that were in place at the commencement of their studies on that programme, unless proposed changes to University Regulations are advantageous to students.*

The Glasgow Caledonian University Assessment Regulations which apply to this programme, dependent on year of entry can be found at: [GCU Assessment Regulations](#)