



CERTIFICATE OF VALIDATION

New validation

Validation Process: **Revalidation**

Provider Name	Dublin Business School
Date of Validation	14-Jul-22

	Code	Title	Award	Exit
Principal Programme	PG24859	Master of Science in Financial Technology	Master of Science (Masters Degree at NFQ Level 9) 9M21891 90 credits	N/A
Embedded Programme	PG24860	Postgraduate Diploma in Science in Financial Technology	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M21893 60 credits	Yes
Embedded Programme	PG24901	Certificate in Financial Technology	Certificate (Special Purpose Award at NFQ Level 9) 9S21895 25 credits	Yes

	First Intake	Last Intake
Enrolment Interval	Sep-22	Aug-27

Principal Programme

	Full Time	Part Time	Delivery Mode: full-time / part-time
Maximum Intakes per Annum:	3	2	Full Time, Part Time
Minimum Learners per Intake:	5	5	
Maximum Learners per Intake:	50	50	
Duration (months)	12	24	

Target Learner Groups

The typical profile of learners that would be enrolled includes those who wish to upskill or reskill due to changes in employment; those already engaged in the finance or financial technology sector who require upskill or career expansion, and those who have already found themselves in a financial technology role in their company and wish to acquire a formal qualification for future sustainability in their career. Individuals would, upon completion of this programme, be able to enter the sector and hold a general or expanded role in the financial technology function of their organisation. This programme is aimed at a wide range of learners with a Level 8 honours bachelor's degree in a cognate area (detailed above) who wish to specialise in the field of financial technology with a view to enter industry, progress professionally or gain a formal qualification for future sustainability.



Brief Synopsis of the Programmes

This Master of Science in Financial Technology (90 ECTS) has been designed with the specific intention of responding to an increasingly technology-enabled financial services environment - one that requires efficient and effective end to end deliverables. Given this context, the role and scope of the function of technology in finance has transformed the financial services industry in recent years, leading to the integration of a range of technologies into financial services in a way that has changed how financial services are developed and delivered. This has resulted in a deepening of the knowledge and skills required to effectively operate in finance. This has led to a high demand within finance for graduates that can comfortably understand financial services and the impact of technology, automation, data science and web-based business on the industry.

The demand is not only from learners who want to enter the industry but is also from existing employees of financial service companies. Many of those working in financial services entered the business when the primary knowledge and skills required were of the products themselves, and later the regulatory requirements. Now demand for an understanding of the technology / finance nexus is a key requirement for many posts in financial services.

The DBS Master of Science in Financial Technology programme aims to produce individuals with the specialised skills and attributes necessary to meet the demands of the modern-day financial services and financial technology environment. Learners will understand the core principles of financial technology, as well as the industry, markets, products and regulation within which financial services are delivered; they will be equipped with operations management and analytics expertise; possess an integrated understanding of financial regulation; critically evaluate sustainable financial services business models and inform business decision making in an ethical context.

Moreover, they will develop advanced critical thinking, writing and research skills through the completion of the Research Methods modules along with the completion of a Capstone Module (choice of Dissertation, Applied Research Project, or Placement).

The taught component of this programme comprises core modules in The Evolution of FinTech, Quantitative Financial Modelling, FinTech Regulation, Information and Cybersecurity Management, Distributed Ledger and Asset Tokenisation, Data Analytics and Machine Learning, Applied Financial Analysis and Research Methods one and two.

All modules will facilitate the exploration of new ideas and technologies with learning focused on emerging industry trends as well as best practice. Learners will be able to apply their knowledge to specific issues within a real-world context. The programme will incorporate a multimodal blended approach to delivery across modules including face-to-face classroom, online synchronous and asynchronous deliveries.

This programme will accommodate a wide audience of learners from a broad spectrum of industries whose specific learning requirements lie in the area of financial technology (either business, or technically focused). Admission to the programme will require a Level 8 honours bachelor's degree (minimum 2:2) in a cognate area. Cognate subjects include business, computer science, IT, science, mathematics, statistics, finance, economics, engineering and information systems or related areas.

The Master of Science in Financial Technology is a 1 year full-time/ 2 year part-time programme consisting of eight taught modules, three 10 ECTS modules, six 5 ECTS modules, and a 30 ECTS Dissertation, Applied Research Project, or Placement option. For learners who cannot continue, for personal or professional reasons, to the research component of this programme, there is an embedded exit award titled, Postgraduate Diploma in Science in Financial Technology (Level 9, 60 ECTS). For learners who cannot continue for personal or professional reasons beyond the first semester of the programme, there is an embedded exit award titled Certificate in Financial Technology (Level 9, 25 ECTS).



Teaching and Learning Modes	<ol style="list-style-type: none"> 1. Directed Learning 2. E-learning (directed) 3. E-learning (self-directed) 4. Group Discussions 5. Group Discussions/Interactions 6. Laboratory / Studio 7. Lectures / Classes 8. Practical Sessions 9. Practical/workshop/Laboratories/studio sessions 10. Self Directed Learning 11. Tutorials 12. Tutorials/One on one supported learning 13. Webinars 14. Workshops
------------------------------------	---

Approved Countries	Ireland
---------------------------	---------

Physical Resource Requirements

Learners are required to have ongoing access to a computer, related software, and a reliable internet connection. Learners will be provided with a full online induction which introduces the College generally as well as an IT induction and sessions on learning online. This means that for learners their laptop or desktop computer will require a minimum of a supported version of a Windows operating system and 4GB RAM. They will be expected to participate in lectures, workshops, use software and open access online tools in the completion of the learning and assessment associated with this programme. There is no programme-specific technology required for the programme.

Staff Profiles	Qualifications and Experience	WTE
Academic Director	The Academic Director for this programme will have a minimum of an NFQ Level 9 Postgraduate Diploma or Masters qualification in Finance, Business, IT, or a related field or related areas along with programme management/ academic leadership experience.	0.05
Administration & Support Staff	Such as Library, Admissions, Student Experience, Finance etc. Experience and qualifications relevant to the role.	0.06
Lecturer	Staff delivering this programme will hold a minimum of a level 9 Postgraduate Diploma or Master’s Degree in a relevant financial discipline, technical discipline, or a professional accountancy qualifications with relevant and significant industry experience and/or PhD. Holders of level 8 honours business degrees in a relevant discipline, who are exceptionally qualified by virtue of significant industry experience will also be considered.	0.16

Approved Centres	Centre	Minimum Number of Learners per Intake per Centre	Maximum Number of Learners per Intake per Centre
	38628L Dublin Business School	10	100

Additional Locations	Location Name	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	N/A		



Learner Teacher Ratios	Learning Activity	Ratio
	Online tutorial (interactive)	1:25
	Online class (broadcast live)	1:50
	Workshops	1:25
	Lecture classroom-based sessions	1:50

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG23852	Master of Science in Financial Technology	25-Sep-18



Embedded Programme

Validation Process: **Revalidation**

Code	Title	Award	Exit
PG24860	Postgraduate Diploma in Science in Financial Technology	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M21893 60 credits	Yes

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Maximum Intakes per Annum:	0	0		
Minimum Learners per Intake:	0	0		
Maximum Learners per Intake:	0	0		
Duration (months)	12	24		

Target Learner Groups

The typical profile of learners that would be enrolled includes those who wish to upskill or reskill due to changes in employment; those already engaged in the finance or financial technology sector who require upskill or career expansion, and those who have already found themselves in a financial technology role in their company and wish to acquire a formal qualification for future sustainability in their career. Individuals would, upon completion of this programme, be able to enter the sector and hold a general or expanded role in the financial technology function of their organisation. This programme is aimed at a wide range of learners with a Level 8 honours bachelor's degree in a cognate area (detailed above) who wish to specialise in the field of financial technology with a view to enter industry, progress professionally or gain a formal qualification for future sustainability.

The Postgraduate Diploma in Science in Financial Technology is an embedded exit award in the Master of Science in Financial Technology and is available for those who cannot complete the research component of this programme for personal or professional reasons.



Brief Synopsis of the Programmes

This Master of Science in Financial Technology (90 ECTS) has been designed with the specific intention of responding to an increasingly technology-enabled financial services environment - one that requires efficient and effective end to end deliverables. Given this context, the role and scope of the function of technology in finance has transformed the financial services industry in recent years, leading to the integration of a range of technologies into financial services in a way that has changed how financial services are developed and delivered. This has resulted in a deepening of the knowledge and skills required to effectively operate in finance. This has led to a high demand within finance for graduates that can comfortably understand financial services and the impact of technology, automation, data science and web-based business on the industry.

The demand is not only from learners who want to enter the industry but is also from existing employees of financial service companies. Many of those working in financial services entered the business when the primary knowledge and skills required were of the products themselves, and later the regulatory requirements. Now demand for an understanding of the technology / finance nexus is a key requirement for many posts in financial services.

The DBS Master of Science in Financial Technology programme aims to produce individuals with the specialised skills and attributes necessary to meet the demands of the modern-day financial services and financial technology environment. Learners will understand the core principles of financial technology, as well as the industry, markets, products and regulation within which financial services are delivered; they will be equipped with operations management and analytics expertise; possess an integrated understanding of financial regulation; critically evaluate sustainable financial services business models and inform business decision making in an ethical context.

Moreover, they will develop advanced critical thinking, writing and research skills through the completion of the Research Methods modules along with the completion of a Capstone Module (choice of Dissertation, Applied Research Project, or Placement). The taught component of this programme comprises core modules in The Evolution of FinTech, Quantitative Financial Modelling, FinTech Regulation, Information and Cybersecurity Management, Distributed Ledger and Asset Tokenisation, Data Analytics and Machine Learning, Applied Financial Analysis and Research Methods one and two.

All modules will facilitate the exploration of new ideas and technologies with learning focused on emerging industry trends as well as best practice. Learners will be able to apply their knowledge to specific issues within a real-world context. The programme will incorporate a multimodal blended approach to delivery across modules including face-to-face classroom, online synchronous and asynchronous deliveries.

This programme will accommodate a wide audience of learners from a broad spectrum of industries whose specific learning requirements lie in the area of financial technology (either business, or technically focused). Admission to the programme will require a Level 8 honours bachelor's degree (minimum 2:2) in a cognate area. Cognate subjects include business, computer science, IT, science, mathematics, statistics, finance, economics, engineering and information systems or related areas.

The Master of Science in Financial Technology is a 1 year full-time/ 2 year part-time programme consisting of eight taught modules, three 10 ECTS modules, six 5 ECTS modules, and a 30 ECTS Dissertation, Applied Research Project, or Placement option. For learners who cannot continue, for personal or professional reasons, to the research component of this programme, there is an embedded exit award titled, Postgraduate Diploma in Science in Financial Technology (Level 9, 60 ECTS). For learners who cannot continue for personal or professional reasons beyond the first semester of the programme, there is an embedded exit award titled Certificate in Financial Technology (Level 9, 25 ECTS).



Teaching and Learning Modes	<ol style="list-style-type: none"> 1. Directed Learning 2. E-learning (directed) 3. E-learning (self-directed) 4. Group Discussions 5. Group Discussions/Interactions 6. Laboratory / Studio 7. Lectures / Classes 8. One-on-One Sessions 9. Other 10. Practical Sessions 11. Practical/workshop/Laboratories/studio sessions 12. Self Directed Learning 13. Tutorials 14. Tutorials/One on one supported learning 15. Webinars 16. Workshops
------------------------------------	---

Approved Countries	Ireland
---------------------------	---------

Physical Resource Requirements

Learners are required to have ongoing access to a computer, related software, and a reliable internet connection. Learners will be provided with a full online induction which introduces the College generally as well as an IT induction and sessions on learning online. This means that for learners their laptop or desktop computer will require a minimum of a supported version of a Windows operating system and 4GB RAM. They will be expected to participate in lectures, workshops, use software and open access online tools in the completion of the learning and assessment associated with this programme. There is no programme-specific technology required for the programme.

Staff Profiles	Qualifications and Experience	WTE
Academic Director	The Academic Director for this programme will have a minimum of an NFQ Level 9 Postgraduate Diploma or Masters qualification in Finance, Business, IT, or a related field or related areas along with programme management/ academic leadership experience.	0.05
Administration & Support Staff	Such as Library, Admissions, Student Experience, Finance etc. Experience and qualifications relevant to the role.	0.06
Lecturer	Staff delivering this programme will hold a minimum of a level 9 Postgraduate Diploma or Master’s Degree in a relevant financial discipline, technical discipline, or a professional accountancy qualifications with relevant and significant industry experience and/or PhD. Holders of level 8 honours business degrees in a relevant discipline, who are exceptionally qualified by virtue of significant industry experience will also be considered.	0.16

Approved Centres	Centre	Minimum Number of Learners per Intake per Centre	Maximum Number of Learners per Intake per Centre
	38628L Dublin Business School	0	0

Additional Locations	Location Name	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	N/A		



Learner Teacher Ratios	Learning Activity	Ratio
	Online tutorial (interactive)	1:25
	Online class (broadcast live)	1:50
	Workshops	1:25
	Lecture classroom-based sessions	1:50

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG23853	Postgraduate Diploma in Science in Financial Technology	25-Sep-18



Embedded Programme

Validation Process: **New**

Code	Title	Award	Exit
PG24901	Certificate in Financial Technology	Certificate (Special Purpose Award at NFQ Level 9) 9S21895 25 credits	Yes

	Full Time	Part Time	Delivery Mode: full-time / part-time
Maximum Intakes per Annum:	0	0	Full Time, Part Time
Minimum Learners per Intake:	0	0	
Maximum Learners per Intake:	0	0	
Duration (months)	6	12	

Target Learner Groups

The typical profile of learners that would be enrolled includes those who wish to upskill or reskill due to changes in employment; those already engaged in the finance or financial technology sector who require upskill or career expansion, and those who have already found themselves in a financial technology role in their company and wish to acquire a formal qualification for future sustainability in their career. Individuals would, upon completion of this programme, be able to enter the sector and hold a general or expanded role in the financial technology function of their organisation. This programme is aimed at a wide range of learners with a Level 8 honours bachelor's degree in a cognate area (detailed above) who wish to specialise in the field of financial technology with a view to enter industry, progress professionally or gain a formal qualification for future sustainability. The Certificate is an embedded exit award for those learners who due to personal or professional reasons cannot continue the full programme.

Brief Synopsis of the Programmes

The Certificate in Financial Technology (Level 9, 25 ECTS) is an embedded exit award in the Master of Science in Financial Technology. The Certificate is not offered as a separate exit award. The programme shares the 25 ECTS taught components of the Masters programme.

The Certificate can be completed in one-half of an academic year by full-time learners and in one year by part-time learners. The overall aim of the programme is to provide graduates with the opportunity to attain a Level 9 award if they cannot complete the second semester or the research methods component of this programme for personal or professional reasons. Therefore, the Certificate in Financial Technology award (25 ECTS, NFQ Level 9) is offered only as an exit award from the Masters programme.

Teaching and Learning Modes

1. Directed Learning
2. E-learning (directed)
3. E-learning (self-directed)
4. Group Discussions
5. Group Discussions/Interactions
6. Lectures / Classes
7. One-on-One Sessions
8. Practical Sessions
9. Practical/workshop/Laboratories/studio sessions
10. Self Directed Learning
11. Tutorials
12. Tutorials/One on one supported learning
13. Webinars
14. Workshops



Approved Countries	Ireland
---------------------------	---------

Physical Resource Requirements

Learners are required to have ongoing access to a computer, related software, and a reliable internet connection. Learners will be provided with a full online induction which introduces the College generally as well as an IT induction and sessions on learning online. This means that for learners their laptop or desktop computer will require a minimum of a supported version of a Windows operating system and 4GB RAM. They will be expected to participate in lectures, workshops, use software and open access online tools in the completion of the learning and assessment associated with this programme. There is no programme-specific technology required for the programme.

Staff Profiles	Qualifications and Experience	WTE
Academic Director	The Academic Director for this programme will have a minimum of an NFQ Level 9 Postgraduate Diploma or Masters qualification in Finance, Business, IT, or a related field or related areas along with programme management/ academic leadership experience.	0.05
Administration & Support Staff	Such as Library, Admissions, Student Experience, Finance etc. Experience and qualifications relevant to the role.	0.06
Lecturer	Staff delivering this programme will hold a minimum of a level 9 Postgraduate Diploma or Master’s Degree in a relevant financial discipline, technical discipline, or a professional accountancy qualifications with relevant and significant industry experience and/or PhD. Holders of level 8 honours business degrees in a relevant discipline, who are exceptionally qualified by virtue of significant industry experience will also be considered.	0.16

Approved Centres	Centre	Minimum Number of Learners per Intake per Centre	Maximum Number of Learners per Intake per Centre
	38628L Dublin Business School	0	0

Additional Locations	Location Name	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	N/A		

Learner Teacher Ratios	Learning Activity	Ratio
	Online tutorial (interactive)	1:25
	Online class (broadcast live)	1:50
	Workshops	1:25
	Lecture classroom-based sessions	1:50

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	N/A		



Conditions of Validation of the Programmes Covered by this Certificate of Validation

Part 1: Statutory Conditions of Validation

The statutory (section 45(3) of the 2012 Act) conditions of validation are that the provider of the programme shall:

1. Co-operate with and assist QQI in the performance of QQI's functions in so far as those functions relate to the functions of the provider,
2. Establish procedures which are fair and consistent for the assessment of enrolled learners to ensure the standards of knowledge, skill or competence determined by QQI under section 49 (1) are acquired, and where appropriate, demonstrated, by enrolled learners,
3. Continue to comply with section 65 of the 2012 Act in respect of arrangements for the protection of enrolled learners, if applicable, and
4. Provide to QQI such information as QQI may from time to time require for the purposes of the performance of its functions, including information in respect of completion rates.

Part 2 Conditions of Validation Established by QQI Under section 45(4)(b) of the 2012 Act

Part 2.1 Condition of Validation Concerning a Change in the QQI Award or Award Standard

1. Where QQI changes an award title, an award specification or an award standard that a programme depends upon, the provider shall not enrol any further learners on the affected programmes unless informed otherwise in writing by QQI (e.g. by the issue of a revised certificate of validation). The programme is considered validated for learners already enrolled on the affected programme.

Part 2.2 Condition of Validation Concerning the Duration of Enrolment

1. The duration of enrolment is the interval during which learners may be enrolled on the validated programme.

Validation is determined by QQI for a specified number of years of enrolment appropriate to the particular programme as indicated on the certificate on validation subject to unit 9.2.1. It is a condition of validation that the programme does not enrol any new learners outside this interval. A typical duration would be five years.

If a provider wishes to continue to enrol learners to the programme beyond this interval the provider must arrange in good time for it to be validated again by QQI, or exceptionally the provider may apply for extension of the duration of enrolment (unit (14)). In this context the provider may apply for validation of the programme from first principles or, alternatively, the provider may avail of the process for revalidation (unit (13)) by QQI.

Part 2.3 General Condition of Validation

The provider of the programme shall:

1. Ensure that the programme as implemented does not differ in a material way from the programme as validated; differing in a material way is defined as differing in any aspect of the programme or its implementation that was material to QQI's validation criteria.
2. Ensure that the programme is provided with the appropriate staff and physical resources as validated.
3. Implement in respect of the programme its written quality assurance procedures (as approved by QQI).
4. Make no significant change to the programme without the prior approval of QQI. (See unit (8)).
5. Unless otherwise agreed by QQI in writing, start implementing the programme as validated and enrol learners within 18 months of validation.
6. Continue in respect of the validated programme to comply with section 56 of the 2012 Act in respect of procedures for access, transfer and progression.
7. Implement the programme and procedures for assessment of learners in accordance with the Approved Programme Schedule and notify QQI in writing of any amendments to this arising from changes to the programme; see unit (9).
8. When advertising and promoting the programme and awards, use the programme title as validated, and the correct QQI award title(s), award type(s) and award class(es) indicating the level of the award(s) on the National Framework of Qualifications.



9. Adhere to QQI regulations and procedures for certification.

10. Notify QQI in writing without delay of: a. Any material change to the programme; a. Anything that impacts on the integrity or reputation of the programme or the corresponding QQI awards; b. Anything that infringes the conditions of validation; or c. Anything that would be likely to cause QQI to consider reviewing the validation.

11. Notify QQI in writing to determine the implications for the provider's validated programmes, where the provider is likely to, or planning to, merge (amalgamate) with another entity or to acquire, or be acquired by, another entity (see unit (12.5)) .

12. Report to QQI, when required or requested, on its implementation of the programme and compliance with the conditions of validation.

Part 2.4 General Condition of Validation Arising from Specialised Validation Policy and Criteria

1.

Part 2.5 Special Conditions of Validation

PG24901 Certificate in Financial Technology

Name of Provider		Dublin Business School												
Programme Title		PG24901 Certificate in Financial Technology												
Award Title		Certificate							Exit Award		Yes			
Teaching and learning modalities		Directed Learning; E-learning (directed); E-learning (self-directed); Group Discussions; Group Discussions/Interactions; Lectures / Classes; One-on-One Sessions; Practical Sessions; Practical/workshop/Laboratories/studio sessions; Self Directed Learning; Tutorials; Tutorials/One on one supported learning; Webinars; Workshops												
Delivery Modes	Award Class	Award NFQ Level	Award EQF Level	Stage	Stage NFQ Level	Stage Credits	First Intake			ISCED Code				
Both	Special Purpose	9	7	Award Stage	9	25	Sep 2022			04.1.2				
Module				Total Student Effort Module (Hours)						Allocation of Marks				
Title		Semester	Status	Credit	Total Hours	Class Contact Hours	Direct e-learning	Hours of independent learning	Work-based learning efforts	C.A. %	Project %	Skills demonstration %	Exam %	Workbased %
The Evolution of FinTech		1	M	5	125	24	50	51	0	100	0	0	0	0
Quantitative Financial Modelling		1	M	10	250	48	50	152	0	60	0	0	40	0
FinTech Regulation		1	M	10	250	48	50	152	0	100	0	0	0	0