CERTIFICATE OF VALIDATION

New Validation

Provider Name	Dublin Business School
Date of Validation	15-Oct-20

	Code	Title	Award	Duration (Full Time)	Duration (Part Time)	Exit
Principal Programme	PG24328	Master of Science in Financial Analytics	Master of Science (Major Award at NFQ Level 9) 9M21012 90 credits	1 year	2 years	
Embedded Programmes	PG24329	Postgraduate Diploma in Science in Financial Analytics	Postgraduate Diploma in Science (Major Award at NFQ Level 9) 9M21014 60 Credits	1 year	12-18 months	No

	First intake	Last intake
Enrolment Interval	Oct-20	Aug-25

	Full Time	Part Time
Maximum Intakes per annum:	3	3
Minimum Learners per Intake:	5	5
Maximum Learners per Intake:	50	30

Principal Programme

Target Learner groups

The Master of Science in Financial Analytics programme is aimed at learners with a minimum second-class second-division (2.2) Level 8 honours bachelor's degree or Higher Diploma in a cognate area who wish to specialise in the field of financial analytics with a view to entering industry. Cognate subjects include finance, business, accountancy, computing, information systems, engineering, general science, mathematics, statistics, data analytics or related discipline. Learners with a minimum second class, second division (2.2) Level 8 honours bachelor's degree in a non-cognate area plus 3–5 years' professional experience in a related field and who require a qualification in this area in order to progress professionally, may also find this programme of interest. Learners can also access this programme through RPL. Such applicants will be assessed on a case by case basis. On completion of this programme, learners will have the financial analytics expertise to operate at a professional level and effectively integrate their skills into decision-making in their company. Through the Applied Research Project, learners will develop independent research and problem-solving skills which will be valuable in a variety of contexts in the workplace.

Brief Synopsis of the programmes

The Master's has been designed to meet the growing need for financial professionals with the practical skills required for a rapidly evolving data driven financial function. In this programme, graduates will understand the core principles of finance, be equipped to utilise data analytics, machine learning, and visualisation tools, apply the appropriate financial analytic models, and acquire enhanced understanding of business decision making in an ethical and cyber context. This programme provide knowledge and skills in the area of predictive financial modelling, applied financial analytics, financial risk management, behavioural economics and finance, financial decision-making, data analytics and machine learning, intelligence and visualisation as well as information and cybersecurity management. The programme aims to incorporate practical skills in each module for the professional development of learners to enhance their employability options. This will enable learners to integrate seamlessly into any commercial enterprise by demonstrating analytical ability, curiosity, resilience, leadership, self-management, teamwork and effective communication skills. Semester two also comprises an Applied Research Methods module, which focuses on research and development skills. This module will inform the learner's Applied Research Project in Semester three (FT). The

Masters is a 1 year full-time, 18 months part-time programme of three 10 ECTS and seven 5 ECTS taught modules, and a 25 ECTS Applied Research Project.

Delivery mode: full-time / part-time

Full-time and part-time

Teaching and Learning Modes

Classroom lectures
Case-based learning
Practical skills sessions
Workshops
Tutorials
Individual and group work
Online synchronous and asynchronous classes

Approved countries

Ireland

Physical resource requirements

Lecture rooms with multimedia resources and physical resources suitable for working in breakout groups. Classroom / computer room with requisite software required for the delivery of the programme are detailed in each of the module descriptors and also in Section 8.

Staff Profiles

Qualifications and Experience		WTE
Lecturer	Lecturing staff will have a minimum of a Level 9 Postgraduate Diploma or Masters and/or PhD in the following areas: Mathematics, Statistics, Finance, Computer Science, Software Development, Information Systems, Data Analytics, Programming, Financial Technology, etc. In modules where industry experience is desirable, holders of Level 8 honours degrees in the above disciplines, who are exceptionally qualified by virtue of significant senior industry experience may also be considered.	7

Approved Centres

Centre	Minimum per intake per Centre	Maximum per intake per Centre	
DBS: Dublin Campus	5	80	

Learner Teacher Ratios

Learning Activity	Ratio
Workshops	1:25
Practical lab sessions	1:35
Online tutorial (interactive)	1:25
Online class (broadcast live)	1:50
Lecture classroom-based sessions	1:60

Programme being replaced by this programme

Prog Code	Programme Title	Validated	To Close
	N/A		

Embedded Programme

Code	Title	Award	Duration (Full Time)	Duration (Part Time)	Exit?
PG24329	Postgraduate Diploma in Science in Financial Analytics	Postgraduate Diploma in Science 9M21014 60 credits	1 year	12-18 months	No

	Full Time	Part Time
Maximum Intakes per annum:	2	2
Minimum Learners per Intake:	5	5
Maximum Learners per Intake:	30	15

Target Learner groups

This Postgraduate Diploma programme is aimed at learners with minimum second-class second-division (2.2) Level 8 honours bachelor's degree or Higher Diploma in a cognate area who wish to specialise in the field of financial analytics with a view to entering industry. Cognate subjects include finance, business, accountancy, computing, information systems, engineering, general science, mathematics, statistics, data analytics or related discipline. Learners with a minimum second class, second division (2.2) Level 8 honours bachelor's degree in a non-cognate area plus 3-5 years' professional experience in a related field and who require a qualification in this area in order to progress professionally, may also find this programme of interest. Learners can also access this programme through RPL. Such applicants will be assessed on a case-by-case basis.
On completion of this programme, learners will have the financial analytics expertise to operate at a professional level and effectively integrate their skills into decision-making in their company.

Brief Synopsis of the programmes

The Postgraduate Diploma programme has been designed to meet the growing need for financial analysis and practical applied skills in this emerging area. Through the programme, graduates will understand the core principles of finance, be equipped to utilise data and visualisation tools, apply the appropriate financial analytic models, and acquire enhanced understanding of business decision making in an ethical and cyber context. This programme provides knowledge and skills in the area of predictive financial modelling, applied financial analytics, financial risk management, behavioural economics and finance, financial decision-making, data analytics and machine learning, intelligence and visualisation as well as information and cybersecurity management.

This Postgraduate programme aims to incorporate practical skills in each module for the professional development of learners to enhance their employability options. This will enable the learner to integrate seamlessly into an organisation by addressing skills such as awareness to analytical abilities, leadership, self-management, teamwork and academic writing that are essential for a Level 9 graduate.

It is a 1 year full-time, 12 - 18 months part-time programme of three 10 ECTS and six 5 ECTS taught modules.

Delivery mode: full-time / part-time

Full-time and part-time

Teaching and Learning Modes

Classroom lectures
Case-based learning
Practical skills sessions
Workshops
Tutorials
Individual and group work
Online synchronous and asynchronous classes

Approved countries where enrolled learners will be based

Ireland

Physical resource requirements

Lecture rooms with multimedia resources and physical resources suitable for working in breakout groups. Classroom / computer room with requisite software required for the delivery of the programme are detailed in each of the module descriptors and also in Section 8.

Staff Profiles

Qualifications and Experience		WTE
Lecturer	Lecturing staff will have a minimum of a Level 9 Postgraduate Diploma or Masters and/or PhD in the following areas: Mathematics, Statistics, Finance, Computer Science, Software Development, Information Systems, Data Analytics, Programming, Financial Technology, etc. In modules where industry experience is desirable, holders of Level 8 honours degrees in the above disciplines, who are exceptionally qualified by virtue of significant senior industry experience may also be considered.	7

Approved Centres

Centre	Minimum per intake per Centre	Maximum per intake per Centre	
DBS: Dublin Campus	5	45	

Learner Teacher Ratios

Learning Activity	Ratio
Workshops	1:25
Practical lab sessions	1:35
Online tutorial (interactive)	1:25
Online class (broadcast live)	1:50
Lecture classroom-based sessions	1:60

Programme being replaced by this programme

Prog Code	Programme Title	Validated	To Close
	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. N/A

Part 2.5 Special Conditions of Validation

1. N/A

Master of Science in Financial Analytics Full-time

Name of Provider:	Dublin Business School
Programme Title	Master of Science in Financial Analytics
Award Title	Master of Science
Stage Exit Award Title	Postgraduate Diploma in Science in Financial Analytics
Modes of Delivery (FT/PT):	Full-time
Teaching and learning modalities	Formal lectures, seminars interactive group work, specific learning groups as defined by area of academic need, workshops, presentations, educator/teacher review, case-based learning, problem based learning

Award Class	Award NFQ level	Award EQF Level	Stage (1, 2, 3, 4, …, or Award Stage):	Stage NFQ Level	Stage EQF Level	Stage Credit (ECTS)	Date Effective	ISCED Subject code
Major	9	7	Award	9	7	90	Oct 2020	0412

Module Title (Up to 70 characters including spaces)	Semester no where applicable. (Semester 1 or Semester2)	Module		Credit Number	Total Student Effort Module (hours)					Allocation of Marks (from the module assessment strategy)			
		Status	NFQ Level where specified	Credit Number	Total Hours	Class (or equiv) Contact Hours	Directed e-learning	Hours of Independent Learning	Work-based learning effort	C.A. %	Supervised Project %	Proctored practical demonstration %	Proctored written exam %
Principles of Financial Decision Making	1	M	9	10 ECTS	250	48	62	140		60			40
Data Analytics & Machine Learning for Finance	1	M	9	10 ECTS	250	48	62	140		100			0
Predictive Financial Modelling	1	M	9	10 ECTS	250	48	62	140		100			0
Applied Financial Analytics	2	M	9	5 ECTS	125	24	62	39		100			0
Financial Intelligence and Data Visualisation	2	M	9	5 ECTS	125	24	62	39		100			0
Information & Cybersecurity Management	2	M	9	5 ECTS	125	24	62	39		50			50
Financial Risk Management	2	M	9	5 ECTS	125	24	62	39		50			50
Behavioural Economics and Finance	2	M	9	5 ECTS	125	24	50	51		50			50
Innovation in Financial Technology	2	M	9	5 ECTS	125	24	50	51		100			0
Applied Research Methods	2	M	9	5 ECTS	125	24	50	51		100			0
Applied Research Project	3	M	9	25 ECTS	625	12		613		100			0
Special Regulations (Up to 280 characters)													

Master of Science in Financial Analytics Part-time

Name of Provider:	Dublin Business School
Programme Title	Master of Science in Financial Analytics
Award Title	Master of Science
Stage Exit Award Title	Postgraduate Diploma in Science in Financial Analytics
Modes of Delivery (FT/PT):	Part-time
Teaching and learning modalities	Formal lectures, seminars interactive group work, specific learning groups as defined by area of academic need, workshops, presentations, educator/teacher review, case-based learning, problem based learning

Award Class	Award NFQ level	Award EQF Level	Stage (1, 2, 3, 4, …, or Award Stage):	Stage NFQ Level	Stage EQF Level	Stage Credit (ECTS)	Date Effective	ISCED Subject code
Major	9	7	Award	9	7	90	Oct 2020	0412

Module Title (Up to 70 characters including spaces)	Semester no where applicable. (Semester 1 or Semester2)	Module		Credit Number	Total Student Effort Module (hours)					Allocation of Marks (from the module assessment strategy)			
		Status	NFQ Level where specified	Credit Number	Total Hours	Class (or equiv) Contact Hours	Directed e-learning	Hours of Independent Learning	Work-based learning effort	C.A. %	Supervised Project %	Proctored practical demonstration %	Proctored written exam %
Principles of Financial Decision Making	1	M	9	10 ECTS	250	36	74	140		60			40
Data Analytics & Machine Learning for Finance	1	M	9	10 ECTS	250	36	74	140		100			0
Predictive Financial Modelling	2	M	9	10 ECTS	250	36	74	140		100			0
Applied Financial Analytics	2	M	9	5 ECTS	125	18	68	39		100			0
Financial Intelligence and Data Visualisation	2	M	9	5 ECTS	125	18	68	39		100			0
Information & Cybersecurity Management	3	M	9	5 ECTS	125	18	68	39		50			50
Financial Risk Management	3	M	9	5 ECTS	125	18	56	51		50			50
Behavioural Economics and Finance	3	M	9	5 ECTS	125	18	56	51		50			50
Innovation in Financial Technology	3	M	9	5 ECTS	125	18	56	51		100			0
Applied Research Methods	3	M	9	5 ECTS	125	18	56	51		100			0
Applied Research Project	4	M	9	25 ECTS	625	12		613		100			0
Special Regulations (Up to 280 characters)													

Postgraduate Diploma in Science in Financial Analytics Full-time

Name of Provider:	Dublin Business School
Programme Title	Postgraduate Diploma in Science in Financial Analytics
Award Title	Postgraduate Diploma in Science
Stage Exit Award Title	N/A
Modes of Delivery (FT/PT):	Full-time
Teaching and learning modalities	Formal lectures, seminars interactive group work, specific learning groups as defined by area of academic need, workshops, presentations, educator/teacher review, case-based learning, problem based learning

Award Class	Award NFQ level	Award EQF Level	Stage (1, 2, 3, 4, …, or Award Stage):	Stage NFQ Level	Stage EQF Level	Stage Credit (ECTS)	Date Effective	ISCED Subject code
Major	9	7	Award	9	7	90	Oct 2020	0412

Module Title (Up to 70 characters including spaces)	Semester no where applicable. (Semester 1 or Semester2)	Module		Credit Number	Total Student Effort Module (hours)					Allocation of Marks (from the module assessment strategy)			
		Status	NFQ Level where specified	Credit Number	Total Hours	Class (or equiv) Contact Hours	Directed e-learning	Hours of Independent Learning	Work-based learning effort	C.A. %	Supervised Project %	Proctored practical demonstration %	Proctored written exam %
Principles of Financial Decision Making	1	M	9	10 ECTS	250	48	62	140		60			40
Data Analytics & Machine Learning for Finance	1	M	9	10 ECTS	250	48	62	140		100			0
Predictive Financial Modelling	1	M	9	10 ECTS	250	48	62	140		100			0
Applied Financial Analytics	2	M	9	5 ECTS	125	24	62	39		100			0
Financial Intelligence and Data Visualisation	2	M	9	5 ECTS	125	24	62	39		100			0
Information & Cybersecurity Management	2	M	9	5 ECTS	125	24	62	39		50			50
Financial Risk Management	2	M	9	5 ECTS	125	24	50	51		50			50
Behavioural Economics and Finance	2	M	9	5 ECTS	125	24	50	51		50			50
Innovation in Financial Technology	2	M	9	5 ECTS	125	24	50	51		100			0
Special Regulations (Up to 280 characters)													

Postgraduate Diploma in Science in Financial Analytics Part-time

Name of Provider:	Dublin Business School
Programme Title	Postgraduate Diploma in Science in Financial Analytics
Award Title	Postgraduate Diploma in Science
Stage Exit Award Title	N/A
Modes of Delivery (FT/PT):	Part-time
Teaching and learning modalities	Formal lectures, seminars interactive group work, specific learning groups as defined by area of academic need, workshops, presentations, educator/teacher review, case-based learning, problem based learning

Award Class	Award NFQ level	Award EQF Level	Stage (1, 2, 3, 4, …, or Award Stage):	Stage NFQ Level	Stage EQF Level	Stage Credit (ECTS)	Date Effective	ISCED Subject code
Major	9	7	Award	9	7	90	Oct 2020	0412

Module Title (Up to 70 characters including spaces)	Semester no where applicable. (Semester 1 or Semester2)	Module		Credit Number	Total Student Effort Module (hours)					Allocation of Marks (from the module assessment strategy)			
		Status	NFQ Level where specified	Credit Number	Total Hours	Class (or equiv) Contact Hours	Directed e-learning	Hours of Independent Learning	Work-based learning effort	C.A. %	Supervised Project %	Proctored practical demonstration %	Proctored written exam %
Principles of Financial Decision Making	1	M	9	10 ECTS	250	36	74	140		60			40
Data Analytics & Machine Learning for Finance	1	M	9	10 ECTS	250	36	74	140		100			0
Predictive Financial Modelling	2	M	9	10 ECTS	250	36	74	140		100			0
Applied Financial Analytics	2	M	9	5 ECTS	125	18	68	39		100			0
Financial Intelligence and Data Visualisation	2	M	9	5 ECTS	125	18	68	39		100			0
Information & Cybersecurity Management	3	M	9	5 ECTS	125	18	68	39		50			50
Financial Risk Management	3	M	9	5 ECTS	125	18	56	51		50			50
Behavioural Economics and Finance	3	M	9	5 ECTS	125	18	56	51		50			50
Innovation in Financial Technology	3	M	9	5 ECTS	125	18	56	51		100			0
Special Regulations (Up to 280 characters)													