Dearbhú Cáilíochta agus Cáilíochtaí Éireann
Quality and Qualifications Ireland

CERTIFICATE OF VALIDATION

New validation

Validation Process: **Revalidation**

Provider Name	Dublin Business School
Date of Validation	13-Feb-25

	Code	Title	Award	Exit Only
Principal Programme	PG25845	Master of Science in Business Analytics	Master of Science (Masters Degree at NFQ Level 9) 9M22792 90 credits	N/A
Embedded Programme	PG25846	Postgraduate Diploma in Science in Business Analytics	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M22790 60 credits	Yes

	First Intake	Last Intake
Enrolment Interval	Apr-25	Mar-30

Principal Programme

	Full Time	Part Time
Intakes per Annum:	3	3
Minimum Learners per Intake:	10	10
Maximum Learners per Intake:	370	220
Duration (months)	12	16

Delivery Mode: full-time / part-time	Full Time, Part Time

Target Learner Groups

This programme is aimed at learners with a Level 8 honours bachelor's primary undergraduate degree in a cognate area (e.g. computer science, IT, science, mathematics, statistics, finance, economics, business (including quantitative methods), engineering, maths and management information systems), who wish to specialise in the field of business analytics with a view to entering industry, or those with a Level 8 honours bachelor's primary undergraduate degree in a non-cognate area plus three to five years' experience of business analytics and who require a qualification in this area in order to progress professionally. These will be assessed on a case-by-case basis. Learners will need to have achieved a minimum second class second division award (2.2 classification) in their honours Bachelor's Level 8 degree.
On completion of this programme, learners will have the business expertise and analytics competencies to take a strategic view and effectively integrate cutting edge analytics into decision-making in their company. Through the research project, learners will develop independent research and problem-solving skills which will be valuable in a variety of contexts in the workplace.

The Master of Science in Business Analytics is aimed at learners with any of the following entry qualifications:
An Irish National Framework of Qualifications (NFQ) Level 8 primary undergraduate honours Bachelor's degree with a minimum second class second division classification (2.2) in a cognate area (computer science, IT, science, mathematics, statistics, finance, economics, business, engineering, and management information systems) or equivalent, OR
A European Framework of Qualifications (EFQ) Level 6 Bachelor's degree with a minimum of GPA 3.0 (or equivalent) in a cognate area (computer science, IT, science, mathematics, statistics, finance, economics, business, engineering, and management information systems) or equivalent;
OR
An Irish National Framework of Qualifications (NFQ) Level 8 primary undergraduate honours Bachelor degree with a minimum second class second division classification (2.2) in a non-cognate area, plus three to five years' experience of business analytics or equivalent;
OR
A European Framework of Qualifications (EFQ) Level 6 Bachelor's degree with a minimum GPA 3.0 (or equivalent) in a non-cognate area, plus three to five years' experience of business analytics.
OR
Czech Bakalár 2 (Dobre) in a cognate area (computer science, IT, science, mathematics, statistics, finance, economics, business, engineering, and management information systems) or equivalent.

English requirements:
International applicants whose first language is not English and who have not previously undertaken a degree taught in English must provide evidence of proficiency in English language equivalent to B2+ or above on the Common European Framework of Reference for Languages (CEFR). This must be evidenced through a recognised English Language test such as IELTS, Cambridge Certificate, or DBS English Assessment. Test certificates should be dated within the last two years to be considered valid.

The programme is aimed at learners who wish to specialise in the field of business analytics with a view to entering industry, or those who require a qualification in this area in order to progress professionally. Learners will achieve the business expertise and analytics competencies to take a strategic view and effectively integrate cutting edge analytics into decision-making in their company. Through the 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

Given the ever-increasing volume of data that businesses have access to today, there is a demand for employees who have computational, analytical and business strategy skills who can inform business decisions to increase efficiency and an organisation's value. This Master of Science in Business Analytics has been developed with the aim of providing learners with the knowledge, skills and research capability to critically analyse, implement and evaluate big data concepts and techniques in order to generate valuable insights, thereby assisting with strategic business decisions, increasing productivity, profitability and an organisation's value and market share.

This is an interdisciplinary programme that focuses on business management, data analytics and computing. It is designed to appeal to graduates seeking to gain exposure to the technology and data-enabled business model. The programme is constructed as a one year full-time or two-year part-time programme of 10 taught modules of 65 ECTS and a research project of 25 ECTS, leading to an award of Master of Science in Business Analytics.

The programme contains a wide range of formative and summative assessments including individual and group work, projects, presentations and case studies.

Learners will synthesise their postgraduate studies with experiential learning gaining critical analysis and self-reflection skills to embrace lifelong learning to progress professionally or undertake further studies and/or research. Through the project, learners will develop independent research and problem-solving skills reflective of their expansion of business analytics competencies and contribute to their chosen field of enquiry, which will be valuable in a variety of contexts in the workplace.

Minimum Intended Programme Learning Outcomes

On completion of this programme the learner will be able to:

1. Demonstrate advanced understanding of the key theories, concepts and paradigms in statistics, data analytics and related fields.
2. Critically evaluate methods, tools, and technologies for creating or acquiring, cleaning, interpreting, and analysing datasets.
3. Utilise appropriate analytical software tools to form solutions to complex business problems.
4. Employ advanced data mining techniques to synthesise key insights from large structured/unstructured data sets.
5. Interpret complex analytical models and output in order to make appropriate strategic business decisions.
6. Demonstrate proficiency in applying a range of data analytic tools and techniques such as transformation, analysis, and visualisation of complex data sets.
7. Apply advanced programming techniques to construct novel solutions including automated analytical pipelines.
8. Draw on individual and teamwork learning experiences to effectively develop and acquire new skills, respond to feedback, and provide appropriate guidance to others in their future work.

Teaching and Learning Modes	1. Directed Learning 2. E-learning (directed) 3. E-learning (self-directed) 4. Laboratory / Studio 5. Lectures / Classes 6. Practical Sessions 7. Practical/workshop/Laboratories/studio sessions 8. Self Directed Learning 9. Tutorials

Approved Countries	Ireland, Czech Republic

Physical Resource Requirements

Appropriately equipped computer work area.

Lecture rooms of sufficient size for work in breakout groups/with appropriate multimedia resources.

Appropriate software resources to be used in the teaching and learning of all modules.

Learners are also required to have ongoing access to a computer, related software, and a reliable internet connection.

This means that for learners their laptop or desktop computer will require a minimum of a supported version of a Windows operating system and 4GM RAM.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Lecturing staff will have a minimum of a Masters and/or PhD in the following areas: Computing science Quantitative methods and project management Data mining and business intelligence Finance Mathematics and statistics In modules where industry experience is desirable, those who are exceptionally qualified by virtue of significant computer science, data analytics, business analytics, data mining or software development experience may also be considered.	0.75

Approved Centres	Centre	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	38628L Dublin Business School	10	1050

Additional Locations	Location Name	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	University of New York in Prague	5	480

Learner Teacher Ratios	Learning Activity	Ratio
	Classroom Sessions	1:60
	Online Lectures	1:60
	Workshops	1:30
	Practical Sessions	1:30

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG24049	Master of Science in Business Analytics	25-Apr-24

Embedded Programme

Validation Process: **Revalidation**

Code	Title	Award	Exit Only
PG25846	Postgraduate Diploma in Science in Business Analytics	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M22790 60 credits	Yes

	Full Time	Part Time
Duration (months)	12	12

Delivery Mode: full-time / part-time	Full Time, Part Time

Target Learner Groups

The Postgraduate Diploma in Science in Business Analytics is an embedded exit award in the Master of Science in Business Analytics.

Brief Synopsis of the Programmes

The Postgraduate Diploma in Science in Business Analytics is an embedded exit award in the Master of Science in Business Analytics.

Minimum Intended Programme Learning Outcomes

On completion of this programme the learner will be able to:

1. Demonstrate advanced understanding of the key theories, concepts and paradigms in statistics, data analytics and related fields.
2. Critically evaluate methods, tools, and technologies for creating or acquiring, cleaning, interpreting, and analysing datasets.
3. Utilise appropriate analytical software tools to form solutions to complex business problems.
4. Employ advanced data mining techniques to synthesise key insights from large structured/unstructured data sets.
5. Interpret complex analytical models and output in order to make appropriate strategic business decisions.
6. Demonstrate proficiency in applying a range of data analytic tools and techniques such as transformation, analysis, and visualisation of complex data sets.
7. Apply advanced programming techniques to construct novel solutions including automated analytical pipelines.
8. Draw on individual and teamwork learning experiences to effectively develop and acquire new skills, respond to feedback, and provide appropriate guidance to others in their future work.
9. Demonstrate critical awareness of the implications of data analytics on data governance, ethics, privacy and other aspects of society, including business-customer, business community relationships, data protection, and relevant legislation.

Teaching and Learning Modes	1. Directed Learning 2. E-learning (directed) 3. E-learning (self-directed) 4. Laboratory / Studio 5. Lectures / Classes 6. Practical Sessions 7. Practical/workshop/Laboratories/studio sessions 8. Self Directed Learning 9. Tutorials

Approved Countries	Ireland, Czech Republic

Physical Resource Requirements

Appropriately equipped computer work area.

Lecture rooms of sufficient size for work in breakout groups/with appropriate multimedia resources.

Appropriate software resources to be used in the teaching and learning of all modules.

Learners are also required to have ongoing access to a computer, related software, and a reliable internet connection.

This means that for learners their laptop or desktop computer will require a minimum of a supported version of a Windows operating system and 4GM RAM.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Lecturing staff will have a minimum of a Masters and/or PhD in the following areas: Computing science Quantitative methods and project management Data mining and business intelligence Finance Mathematics and statistics In modules where industry experience is desirable, those who are exceptionally qualified by virtue of significant computer science, data analytics, business analytics, data mining or software development experience may also be considered.	0.75

Approved Centres	Centre	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	38628L Dublin Business School	0	0

Additional Locations	Location Name	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	University of New York in Prague	0	0

Learner Teacher Ratios	Learning Activity	Ratio
	Classroom Sessions	1:60
	Online Lectures	1:60
	Workshops	1:30
	Practical Sessions	1:30

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG24050	Postgraduate Diploma in Science in Business Analytics	25-Apr-24

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 writting, 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 certfication.
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

Part 2.5 Special Conditions of Validation

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Quality and Qualifications Ireland

Programme and stage schedules

PG25845 Master of Science in Business Analytics

Name of Provider	Dublin Business School								
Programme Title	PG25845 Master of Science in Business Analytics								
Award Title	Master of Science					**Exit Award Only**	N/A		
Teaching and learning modalities	Tutorials; Self Directed Learning; Practical Sessions; Practical/workshop/Laboratories/studio sessions; Lectures / Classes; Directed Learning; E-learning (directed); E-learning (self-directed); Laboratory / Studio								
Delivery Modes	**Award Class**	**Award NFQ Level**	**Award EQF Level**	**Stage**	**Stage NFQ Level**	**Stage Credits**	**First Intake**	**ISCED Code**	
Both	Major	9	7	Award Stage	9	90	Apr 2025	06.8.9	

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 %**
Programming for Analytics	1	M	10	250	48	0	202	0	100	0	0	0	0
Requirements Analysis	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Database Management	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Strategy	1	M	5	125	24	0	101	0	100	0	0	0	0
Research Methods	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Intelligence and Visualisation	2	M	5	125	24	0	101	0	100	0	0	0	0
Applied Statistics and Machine Learning	2	M	10	250	48	0	202	0	100	0	0	0	0
Project Management for Business Analytics	2	M	5	125	24	0	101	0	100	0	0	0	0
Financial and Business Analytics	2	M	10	250	48	0	202	0	100	0	0	0	0
Applied Research Methods	2	M	5	125	24	0	101	0	100	0	0	0	0
Applied Research Project	3	E	25	625	6	0	619	0	0	100	0	0	0
Dissertation	3	E	25	625	6	0	619	0	0	100	0	0	0

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Quality and Qualifications Ireland

PG25846 Postgraduate Diploma in Science in Business Analytics

Name of Provider	Dublin Business School							
Programme Title	PG25846 Postgraduate Diploma in Science in Business Analytics							
Award Title	Postgraduate Diploma in Science				**Exit Award Only**	Yes		
Teaching and learning modalities	Tutorials; Self Directed Learning; Practical Sessions; Practical/workshop/Laboratories/studio sessions; Lectures / Classes; Directed Learning; E-learning (directed); E-learning (self-directed); Laboratory / Studio							
Delivery Modes	**Award Class**	**Award NFQ Level**	**Award EQF Level**	**Stage**	**Stage NFQ Level**	**Stage Credits**	**First Intake**	**ISCED Code**
Both	Major	9	7	Award Stage	9	60	Apr 2025	06.8.9

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 %**
Programming for Analytics	1	M	10	250	48	0	202	0	100	0	0	0	0
Requirements Analysis	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Database Management	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Strategy	1	M	5	125	24	0	101	0	100	0	0	0	0
Research Methods	1	M	5	125	24	0	101	0	100	0	0	0	0
Business Intelligence and Visualisation	2	M	5	125	24	0	101	0	100	0	0	0	0
Applied Statistics and Machine Learning	2	M	10	250	48	0	202	0	100	0	0	0	0
Project Management for Business Analytics	2	M	5	125	24	0	101	0	100	0	0	0	0
Financial and Business Analytics	2	M	10	250	48	0	202	0	100	0	0	0	0