CERTIFICATE OF VALIDATION

New validation   Validation Process: **Revalidation**

Provider Name	Dublin Business School
Date of Validation	03-Dec-20

	Code	Title	Award	Exit
Principal Programme	PG24461	Higher Diploma in Science in Data Analytics	Higher Diploma in Science (Higher Diploma at NFQ Level 8) 8M21101 60 credits	N/A
Embedded Programme	PG24462	Certificate in Fundamentals of Data Analytics	Certificate (Minor Award at NFQ Level 8) 8H21099 15 credits	Yes

	First Intake	Last Intake
Enrolment Interval	01-Jan-21	31-Dec-25

Principal Programme

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Maximum Intakes per Annum:	3	3		
Minimum Learners per Intake:	5	5		
Maximum Learners per Intake:	75	75		
Duration (months)	9	18		

Target Learner Groups

This programme is aimed at learners with a Level 8 primary undergraduate honours degree with a minimum Pass classification from a recognised third level institution in a non-cognate area. Applicants who do not have a Level 8 qualification and who have at least 3 years' work experience may also be considered through the college's normal RPL procedures. Relevant professional experience may be taken into account and individuals will be assessed on a case-by-case basis through DBS RPL procedures.

This programme may also be of interest to learners with a Level 7 ordinary bachelor's degree in a cognate area (computer science, technology, networking, information systems, engineering, general science, mathematics, statistics, data science) who wish to specialise in the field of Data Analytics with a view to entering the industry, or those who are working in Data Analytics already and who require a qualification in the area in order to progress professionally.

Brief Synopsis of the Programmes

This programme has been designed to meet the ongoing need for Data Analysts throughout the workforce which can directly create added value and wealth to the Irish businesses and the society. Technological innovation applied to computing has created a wave of disruptive activity that will change the shape of the global information system over the next decade. The purpose of this programme is to provide students with advanced knowledge, critical thinking and computing skills to be able to meet the industry demands.

The programme offers learners three elective pathways to support the opportunities to focus their development. The pathways being offered are Big Data Analytics, Predictive Data Analytics, Data Visualisation. Semester one (FT) lays the groundwork for the programme and encompasses mostly foundational modules that focus on providing a solid and comprehensive understanding of the relevant concepts, a proficiency in the use of programming for data analytics and Statistics for Data Analytics and Databases and Business Application. Learners initially develop advanced practical skills in essential areas such as programming, and Platforms for Data Analytics while also offering theoretical knowledge of statistics.

Semester two (FT) builds on this by covering advanced modules in which the knowledge, understanding and skills acquired in the first semester can be employed. Semester two modules offer applied skills in topics such as Big Data Managing and Processing, Data and Web Mining and Applied Data Analytics, as well as Data Visualisation & Communications. Semester two (FT), also comprises a project or placement module, which focuses on applied skills. The project-based module allows the learner to demonstrate their critical thinking in application of knowledge and skills acquired in the programme to solve a clearly defined Industry problem. The project report (& presentation) will outline the literature, methodology, analysis, and discussion to support the innovative solution and its commercial validity.

This is an interdisciplinary programme that focuses on data analytics and computing and its application to the data sciences. It is designed to appeal to graduates seeking to enhance their career prospects in Data Analytics. This is a 1 year full-time, 2 years part-time programme with 10 taught modules including 3 electives which combined, lead to a Higher Diploma in Science in Data Analytics (Level 8, 60 ECTS). There is an embedded award, the Certificate in Science in the Fundamentals of Data Analytics (15 ECTS) available as an exit award from this 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. Laboratory / Studio
	7. Lectures / Classes
	8. One-on-One Sessions
	9. Practical Sessions
	10. Practical/workshop/Laboratories/studio sessions
	11. Self Directed Learning
	12. Simulated Work Environment
	13. Tutorials
	14. Tutorials/One on one supported learning
	15. Webinars
	16. Work Experience/Simulated Work environment
	17. Workshops

Approved Countries	Ireland

Physical Resource Requirements

Lecture rooms with multimedia resources and suitable for work in breakout groups. Hardware and software appropriate for the delivery of the programme.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Teaching staff will have a minimum of a Level 9 Postgraduate Diploma or Masters in the following areas: Mathematics, Statistics, Computer Science, Computing, Artificial Intelligence, Software Development, Data Analytics, and Data Science. 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 industry experience may also be considered.	7

Approved Centres	Centre	Minimum Number of Learners per Intake per Centre	Maximum Number of Learners per Intake per Centre
	38628L Dublin Business School	5	150

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

Learner Teacher Ratios	Learning Activity	Ratio
	Lecture class-room based sessions	1:50
	Workshops	1:25
	Practical Lab sessions	1:35
	Online class (live, non-interactive)	1:50
	Online tutorial (interactive)	1:25

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG22787	Higher Diploma in Science in Data Analytics	15-Jul-15

Validation Process: **Revalidation**

Code	Title	Award	Exit
PG24462	Certificate in Fundamentals of Data Analytics	Certificate (Minor Award at NFQ Level 8) 8H21099 15 credits	Yes

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Maximum Intakes per Annum:				
Minimum Learners per Intake:				
Maximum Learners per Intake:				
Duration (months)	9	12		

Target Learner Groups

This programme is suitable for learners seeking a minor award(s) at Level 8 which can contribute to a major award.

Brief Synopsis of the Programmes

As per principal 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. Laboratory / Studio 7. Lectures / Classes 8. On the job Training 9. On-the-Job Training 10. One-on-One Sessions 11. Practical Sessions 12. Self Directed Learning 13. Simulated Work Environment 14. Tutorials 15. Tutorials/One on one supported learning 16. Work experience 17. Work Experience/Simulated Work environment 18. Workshops

Approved Countries	Ireland

Physical Resource Requirements

As per principal programme

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Teaching staff will have a minimum of a Level 9 Postgraduate Diploma or Masters in the following areas: Mathematics, Statistics, Computer Science, Computing, Artificial Intelligence, Software Development, Data Analytics, and Data Science. 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 industry experience may also be considered.	1

Approved Centres	Centre	Minimum Number of Learners per Intake per Centre	Maximum Number of Learners per Intake per Centre
	38628L Dublin Business School	5	400

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

Learner Teacher Ratios	Learning Activity	Ratio
	Lecture	1:50
	Workshops	1:25
	Practical Lab sessions	1:35
	Online class (live, non-interactive)	1:50
	Online tutorial (interactive)	1:25

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG22788	Certificate in the Fundamentals of Data Analytics	15-Jul-15

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

1.

Part 2.5 Special Conditions of Validation