

CERTIFICATE OF VALIDATION

New validation

Validation Process: **Revalidation**

Provider Name	CCT College Dublin
Date of Validation	11-Jun-26

	Code	Title	Award	Exit Only
Principal Programme	PG26650	Master of Science in Data Analytics	Master of Science (Masters Degree at NFQ Level 9) 9M23231 90 credits	N/A
Embedded Programme	PG26860	Postgraduate Diploma in Science in Data Analytics	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M23227 60 credits	No
Embedded Programme	PG26863	Certificate in Machine Learning for Data Analysis	Certificate (Minor Award at NFQ Level 9) 9H23229 20 credits	Yes

	First Intake	Last Intake
Enrolment Interval	Sep-26	Aug-31

Principal Programme

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Intakes per Annum:	2	2		
Minimum Learners per Intake:	15	15		
Maximum Learners per Intake:	120	80		
Duration (months)	12	24		

Target Learner Groups

This programme is intended for graduates of level 8 NFQ major awards in ICT/Computing (or equivalent), Business, Science or Engineering, domestic and international, aspiring to progress their academic experience to post graduate level, specifically in Data Analytics. Learners who present undergraduate degrees, along with relevant experience in Data Analytics and/or professional certification, may also be considered (RPEL route).

This programme is ideal for those seeking to develop their knowledge, skills and competence in Data Analytics and its underlying technologies of machine learning utilising artificial intelligence neural networks.

This programme is specifically designed for individuals with numerate, technical and or analytical ability aspiring to work, or working, in roles that involve data analysis or the interpretation of data to inform business management and decision-making. Highly interested and motivated individuals will avail of the opportunity to study what is the leading edge of data analytics dealing with the emerging technologies of Machine Learning and Artificial Intelligence being used to interact with the worlds data. Learners will be provided with the opportunity to assimilate knowledge within an industry focused learning environment. This focus is maintained using practical sessions in labs and workshops supported by on campus and online interactive learning.

Graduates will be qualified to assume industry roles and/or to further advance their education.

Brief Synopsis of the Programmes

This is a Level 9 Taught Master of Science in Data Analytics with two embedded awards. The embedded Postgraduate Diploma in Data Analytics is to be offered as an exit or an ab initio award. The embedded minor award, a 20 ECTS Certificate, is to be offered as an exit award only.

The Master of Science in Data Analytics (90 ECTS) is designed for full-time, part-time, domestic and international, level 8 (Irish NFQ) major award holders or equivalent in ICT/computing disciplines seeking to develop their knowledge, skills and competence in Data Analytics. The programme is a postgraduate computing degree designed to produce graduates with the attributes required of data specialists and the ability to continue to develop knowledge, skill and competence to remain competitive and employable in an ever-advancing sector.

The programme consists of 60 credits of taught module work and 30 credits of an applied project. Learners who decide to leave the programme, after completing the taught modules only, may have the option of receiving the embedded exit award of a Postgraduate Diploma in Science in Data Analytics. Graduates will be qualified to assume advanced industry roles and/or to further their education at Master of Science Level 9 and/or 10.

The programme utilises a blended learning programme schedule with modules focused on advanced Data Analytics topics. The design and development of modules within this programme were informed by consultation with industry.

The programme consists of 7 modules equating to 60 credits, plus a supervised 30 ECTS credits applied data analytics project (Capstone module). 60 ECTS of the programme comprise of VLE, classroom and laboratory learning as well as interactive workshops. This is carried out within an industry focused environment. Industry-initiated real-world problems will be provided by industry supporters and used as the context for planning and designing assessment solutions, as well as being an aid for problem solving sessions.

As a blended learning programme, students also attend several face-to-face sessions on campus, these may be distributed across lectures, labs and workshop sessions, integrating practical and theoretical learning. Subject areas include, programming, statistics, technology enabled data analysis using machine learning and artificial intelligence, data visualisation, research and ethical studies pertaining to the field as well as developing multiple transversal skills throughout the programme.

Minimum Intended Programme Learning Outcomes

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

1. Evidence expert knowledge of the concepts, theories and practices of current, emerging and established trends in Data Analysis.
2. Critically analyse the systems, methods, techniques, platforms and technologies used in Data Analytics to solve complex real-world problems.
3. Demonstrate ability to apply advanced data analytics techniques to solve real-world problems in any domain.
4. Undertake independent research to develop an appropriate data analysis solution, communicating findings to relevant stakeholders.
5. Proficiently source and transform raw data into actionable intelligence and evidence, to develop solutions for industry challenges.
6. Develop appropriate research methodology and techniques to provide solutions and form a solid foundation for pursuing further research.
7. Critically assess the legal, regulatory and ethical issues associated with data usage and tools, from a professional, social & scientific responsibility standpoint.
8. Work both autonomously and collaboratively in leading or contributing to resolving data driven problems or projects.
9. Take responsibility for progressing own learning through critical self-analysis, peer interaction, feedback and professional development.
10. Evaluate the way that data analysis and its applications can affect society and reflect on its potential future impact.

Teaching and Learning Modes

1. Directed Learning
2. Group Discussions
3. Group Discussions/Interactions
4. Laboratory / Studio
5. Lectures / Classes
6. One-on-One Sessions
7. Other
8. Practical/workshop/Laboratories/studio sessions
9. Self Directed Learning
10. Tutorials
11. Webinars
12. Workshops

Approved Countries

Ireland

Physical Resource Requirements

The programme requires the physical and virtual campus resources of CCT. This includes Moodle, our Library, Zoom, Classrooms, and specialist software licences. We also have a laptop loan scheme for learners.

To fully engage in this programme students will be required to have access to the internet, a laptop or desktop PC with webcam, microphone and speakers or headset.

The minimum recommended specification at the time of writing is windows OS with a basic RAM Memory of 8GB DDR4 RAM with a basic processor Intel i5(7th Gen and above) with a dedicated graphics card(or equivalent graphics option). This specification will be published to potential learners and kept under review over the life of the programme.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Minimum NFQ Level 10 cognate award is normally required. However, NFQ Level 9 in a cognate award is acceptable in cases where significant industrial experience is evident. Teaching experience is desired. Experience in blended learning delivery is required. In the absence of experience, training will be provided.	2
Librarian	Relevant qualification and professional experience in librarianship.	1
Programme Leader	Meets the minimum requirements for a lecturer. In CCT College a programme leader has responsibility for the management, delivery and academic integrity of the programme they lead. This includes but is not limited to ensuring fitness for purpose of all aspects of programme design, development, delivery and assessment, the quality of programme content and the learning experience. A programme leader is required to be cognisant of QA policies and procedures and the parameters of the validation for the programme they lead.	1
Head of Student Services	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	1
EDI Officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	0.5
Dean of Faculty	The Dean of Faculty is a member of the Executive Leadership Team and reports directly to the College President. This post manages the teaching Faculty within CCT College and takes management responsibility for the operation of the two faculties. Along with the Dean of Teaching & Learning, the Dean of Faculty holds executive responsibility for the development of teaching, learning and assessment within CCT College. The person occupying this role also has operational responsibility for academic standards, academic direction and quality assurance management of programmes within both faculties and plays a leading role in the periodic review of existing programmes and development of new programmes with support from the Dean of Academic Affairs and other members of the Executive Leadership Team.	0.5
Careers Officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	0.5

Approved Centres	Centre	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	38484N CCT College Dublin	30	400

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

Learner Teacher Ratios	Learning Activity	Ratio
	Lectures	1:60
	Practical	1:30
	Supervision	1:1
	Labs	1:30
	Webinars / seminars	1:60
	Class discussions	1:60

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG24480	Master of Science in Data Analytics	09-Sep-21

Embedded Programme

Validation Process: **Revalidation**

Code	Title	Award	Exit Only
PG26860	Postgraduate Diploma in Science in Data Analytics	Postgraduate Diploma in Science (Postgraduate Diploma at NFQ Level 9) 9M23227 60 credits	No

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Intakes per Annum:	2	2		
Minimum Learners per Intake:	15*	15*		
Maximum Learners per Intake:	120*	80*		
Duration (months)	12	18		

Target Learner Groups

* These numbers are inclusive of those in the Principal Programme. There will be a total of 240 or 160 between the programmes. As per principal programme with the exception that applicants to this programme will not be required to undertake the capstone module. This option may therefore appeal to candidates who already have a masters and simply want to obtain the data analytics content and teaching.

Brief Synopsis of the Programmes

The programme is a postgraduate computing degree designed to produce graduates with the attributes required of Data specialists today and the ability to continue to develop knowledge, skill and competence to remain competitive and employable in an ever-advancing sector. The programme consists of 60 credits of taught module work Graduates will be qualified to assume advanced industry roles and/or to further their education at Level 9.

The programme utilises a carefully designed blended learning programme schedule with modules focussed on advanced Data Analytics topics. The design and development of modules within this programme were informed by industry consultation.

The programme consists of 7 modules equating to 60 credits. These 60 ECTS of the programme comprise VLE, classroom and laboratory learning as well as interactive workshops. This is carried out within an industry focused environment. Industry-initiated real-world problems will be provided by our industry supporters and used as the context for planning and designing assessment solutions, as well as being an aid for problem solving sessions. As a blended learning programme, students would also be required to attend several face-to-face sessions on campus, these may be distributed across lectures, labs and workshop sessions, integrating practical and theoretical learning. Subject areas include, programming, statistics, technology enabled data analysis using machine learning and artificial intelligence, data visualisation, research and ethical studies pertaining to the field as well as developing multiple transversal skills throughout the programme.

Minimum Intended Programme Learning Outcomes

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

1. Evidence expert knowledge of the concepts, theories and practices of current, emerging and established trends in Data Analysis.
2. Critically analyse the systems, methods, techniques, platforms and technologies used in Data Analytics to solve complex real-world problems.
3. Demonstrate ability to apply advanced data analytics techniques to solve real-world problems in any domain.
4. Proficiently source and transform raw data into actionable intelligence and evidence, to develop solutions for industry challenges.
5. Develop appropriate research methodology and techniques to provide solutions and form a solid foundation for pursuing further research.
6. Critically assess the legal, regulatory and ethical issues associated with data usage and tools, from a professional, social & scientific responsibility standpoint.
7. Work both autonomously and collaboratively in leading or contributing to resolving data driven problems or projects.
8. Take responsibility for progressing own learning through critical self-analysis, peer interaction, feedback and professional development.
9. Evaluate the way that data analysis and its applications can affect society and reflect on its potential future impact.

Teaching and Learning Modes

1. Directed Learning
2. Group Discussions
3. Group Discussions/Interactions
4. Laboratory / Studio
5. Lectures / Classes
6. One-on-One Sessions
7. Other
8. Practical/workshop/Laboratories/studio sessions
9. Self Directed Learning
10. Tutorials
11. Webinars
12. Workshops

Approved Countries

Ireland

Physical Resource Requirements

The programme requires the physical and virtual campus resources of CCT. This includes Moodle, our Library, Zoom, Classrooms, and specialist software licences. We also have a laptop loan scheme for learners.

To fully engage in this programme students will be required to have access to the internet, a laptop or desktop PC with webcam, microphone and speakers or headset.

The minimum recommended specification at the time of writing is windows OS with a basic RAM Memory of 8GB DDR4 RAM with a basic processor Intel i5(7th Gen and above) with a dedicated graphics card(or equivalent graphics option). This specification will be published to potential learners and kept under review over the life of the programme.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Minimum NFQ Level 10 cognate award is normally required. However, NFQ Level 9 in a cognate award is acceptable in cases where significant industrial experience is evident. Teaching experience is desired. Experience in blended learning delivery is required. In the absence of experience, training will be provided.	2
Librarian	Relevant qualification and professional experience in librarianship.	1
Programme Leader	Meets the minimum requirements for a lecturer. In CCT College a programme leader has responsibility for the management, delivery and academic integrity of the programme they lead. This includes but is not limited to ensuring fitness for purpose of all aspects of programme design, development, delivery and assessment, the quality of programme content and the learning experience. A programme leader is required to be cognisant of QA policies and procedures and the parameters of the validation for the programme they lead.	1
Head of Student Services	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	1
Dean of Faculty	The Dean of Faculty is a member of the Executive Leadership Team and reports directly to the College President. This post manages the teaching Faculty within CCT College and takes management responsibility for the operation of the two faculties. Along with the Dean of Teaching & Learning, the Dean of Faculty holds executive responsibility for the development of teaching, learning and assessment within CCT College. The person occupying this role also has operational responsibility for academic standards, academic direction and quality assurance management of programmes within both faculties and plays a leading role in the periodic review of existing programmes and development of new programmes with support from the Dean of Academic Affairs and other members of the Executive Leadership Team.	0.5
EDI Officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	0.5
Careers Officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	0.5

Approved Centres	Centre	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	38484N CCT College Dublin	30*	400*

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

Learner Teacher Ratios	Learning Activity	Ratio
	Lectures	1:60
	Practical	1:30
	Supervision	1:1
	Labs	1:30
	Webinars / seminars	1:60
	Class discussions	1:60

Programme being replaced by this Programme	Prog Code	Programme Title	Validated
	PG24482	Postgraduate Diploma in Science in Data Analytics	09-Sep-21

Embedded Programme

Validation Process: **New**

Code	Title	Award	Exit Only
PG26863	Certificate in Machine Learning for Data Analysis	Certificate (Minor Award at NFQ Level 9) 9H23229 20 credits	Yes

	Full Time	Part Time	Delivery Mode: full-time / part-time	Full Time, Part Time
Duration (months)	4	6		

Target Learner Groups

As per principal programme as this is an exit award only.

Brief Synopsis of the Programmes

This 20 credit Minor award is designed to foster knowledge, skills and competencies in the realm of machine learning and data preparation and visualisation. Machine learning is the method that automates the process of data analysis through analytical model building. This Minor Award will equip the learner with a wide range of machine learning skills and techniques necessary to understand, analyse large datasets and support data driven decision making.

While understanding and analysing large data sets is central to the programme, in this Level 9 Minor Award Certificate, this is coupled with supporting learners' development in the realm of data preparation and visualisation. By incorporating basic programming skills in a hands-on practical integrated manner, the learner's ability to programme is enabled. Learners will exit the programme with the ability to prepare data, use machine learning models to analyse data, and to explore the data using a high level and low entry barrier language (e.g. python).

Minimum Intended Programme Learning Outcomes

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

1. Evidence expert knowledge of the concepts, theories and practices of current, emerging and established trends in Data Analysis.
2. Proficiently source and transform raw data into actionable intelligence and evidence, to develop solutions for industry challenges.
3. Critically assess the legal, regulatory and ethical issues associated with data usage and tools, from a professional, social & scientific responsibility standpoint.
4. Take responsibility for progressing own learning through critical self-analysis, peer interaction, feedback and professional development.

Teaching and Learning Modes

1. Directed Learning
2. Group Discussions
3. Group Discussions/Interactions
4. Laboratory / Studio
5. Lectures / Classes
6. One-on-One Sessions
7. Other
8. Practical/workshop/Laboratories/studio sessions
9. Self Directed Learning
10. Tutorials
11. Webinars
12. Workshops

Approved Countries

Ireland

Physical Resource Requirements

The programme requires the physical and virtual campus resources of CCT. This includes Moodle, our Library, Zoom, Classrooms, and specialist software licences. We also have a laptop loan scheme for learners.

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The minimum recommended specification at the time of writing is windows OS with a basic RAM Memory of 8GB DDR4 RAM with a basic processor Intel i5(7th Gen and above) with a dedicated graphics card(or equivalent graphics option). This specification will be published to potential learners and kept under review over the life of the programme.

Staff Profiles	Qualifications and Experience	WTE
Lecturer	Minimum NFQ Level 10 cognate award is normally required. However, NFQ Level 9 in a cognate award is acceptable in cases where significant industrial experience is evident. Teaching experience is desired. Experience in blended learning delivery is required. In the absence of experience, training will be provided.	2
Librarian	Relevant qualification and professional experience in librarianship.	1
Programme Leader	Meets the minimum requirements for a lecturer. In CCT College a programme leader has responsibility for the management, delivery and academic integrity of the programme they lead. This includes but is not limited to ensuring fitness for purpose of all aspects of programme design, development, delivery and assessment, the quality of programme content and the learning experience. A programme leader is required to be cognisant of QA policies and procedures and the parameters of the validation for the programme they lead.	1
Head of Student Services	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	1
Dean of Faculty	The Dean of Faculty is a member of the Executive Leadership Team and reports directly to the College President. This post manages the teaching Faculty within CCT College and takes management responsibility for the operation of the two faculties. Along with the Dean of Teaching & Learning, the Dean of Faculty holds executive responsibility for the development of teaching, learning and assessment within CCT College. The person occupying this role also has operational responsibility for academic standards, academic direction and quality assurance management of programmes within both faculties and plays a leading role in the periodic review of existing programmes and development of new programmes with support from the Dean of Academic Affairs and other members of the Executive Leadership Team.	0.5
EDI officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	.5
Careers Officer	Relevant qualification and demonstrable experience in the provision of support to diverse learning populations.	.5

Approved Centres	Centre	Minimum Enrolment per Annum	Maximum Enrolment per Annum
	38484N CCT College Dublin	0	0

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

Learner Teacher Ratios	Learning Activity	Ratio
	Lectures	1:60
	Practical	1:30
	Labs	1:30
	Webinars / seminars	1:60
	Class discussions	1:60

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

Part 2.5 Special Conditions of Validation

Programme and stage schedules

PG26650 Master of Science in Data Analytics

Name of Provider		CCT College Dublin													
Programme Title		PG26650 Master of Science in Data Analytics													
Award Title		Master of Science							Exit Award Only		N/A				
Teaching and learning modalities		Directed Learning; Group Discussions; Group Discussions/Interactions; Laboratory / Studio; Lectures / Classes; One-on-One Sessions; Practical/workshop/Laboratories/studio sessions; Self Directed Learning; Tutorials; Webinars; Workshops; Other													
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		Sep 2026		06.1.3			
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 Data Analytics			1	M	5	125	30	15	80	0	100	0	0	0	0
Statistics			1	M	5	125	30	15	80	0	100	0	0	0	0
Data Preparation and Visualisation			1	M	10	250	64	30	156	0	100	0	0	0	0
Machine Learning for Data Analysis			1	M	10	250	64	30	156	0	100	0	0	0	0
Research & Ethics for Data Analytics			2	M	10	250	64	30	156	0	100	0	0	0	0
Big Data Storage and Processing			2	M	10	250	64	30	156	0	100	0	0	0	0
Advanced Data Analysis			2	M	10	250	64	30	156	0	100	0	0	0	0
Data Analytics Project			3	M	30	750	70	70	610	0	0	100	0	0	0

PG26860 Postgraduate Diploma in Science in Data Analytics

Name of Provider		CCT College Dublin													
Programme Title		PG26860 Postgraduate Diploma in Science in Data Analytics													
Award Title		Postgraduate Diploma in Science							Exit Award Only		No				
Teaching and learning modalities		Directed Learning; Group Discussions; Group Discussions/Interactions; Laboratory / Studio; Lectures / Classes; One-on-One Sessions; Practical/workshop/Laboratories/studio sessions; Self Directed Learning; Tutorials; Webinars; Workshops; Other													
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		Sep 2026		06.1.3		
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 Data Analytics			1	M	5	125	30	15	80	0	100	0	0	0	0
Statistics			1	M	5	125	30	15	80	0	100	0	0	0	0
Data Preparation and Visualisation			1	M	10	250	64	30	156	0	100	0	0	0	0
Machine Learning for Data Analysis			1	M	10	250	64	30	156	0	100	0	0	0	0
Research & Ethics for Data Analytics			2	M	10	250	64	30	156	0	100	0	0	0	0
Big Data Storage and Processing			2	M	10	250	64	30	156	0	100	0	0	0	0
Advanced Data Analysis			2	M	10	250	64	30	156	0	100	0	0	0	0

PG26863 Certificate in Machine Learning for Data Analysis

Name of Provider		CCT College Dublin													
Programme Title		PG26863 Certificate in Machine Learning for Data Analysis													
Award Title		Certificate							Exit Award Only		Yes				
Teaching and learning modalities		Directed Learning; Group Discussions; Group Discussions/Interactions; Laboratory / Studio; Lectures / Classes; One-on-One Sessions; Practical/workshop/Laboratories/studio sessions; Self Directed Learning; Tutorials; Webinars; Workshops; Other													
Delivery Modes	Award Class	Award NFQ Level	Award EQF Level		Stage		Stage NFQ Level		Stage Credits		First Intake		ISCED Code		
Both	Minor	9	7		Award Stage		9		20		Sep 2026		06.1.3		
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 %
Data Preparation and Visualisation			1	M	10	250	64	30	156	0	100	0	0	0	0
Machine Learning for Data Analysis			1	M	10	250	64	30	156	0	100	0	0	0	0