



Important information regarding the Programme Regulations	2
1 Structure of the programmes.....	4
2 Registration	8

Significant changes made to the programme regulations 2024-2025

Data Visualisation (DSM050) is no longer a compulsory module and is now optional for all students.

1 Structure of the programmes

Foundations of Data Science: K-Means Clustering in Python

Data Science modules assume rudimentary experience with programming in Python.

We have designed a non-credit bearing, optional course, for students with no prior Python experience. The course should take no more than 30 hours, and ensures that you are ready to start Data Science modules.

[Please visit the course website on Coursera to review enrolment options.](#)

It is also strongly recommended that you complete our [Programming in Python](#) preliminary material when commencing study on the programme.

Qualifications

1.1

The following qualifications are offered under these regulations:

Master of Science in Data Science (MSc)

Postgraduate Diploma in Data Science (PGDip)

Postgraduate Certificate in Data Science (PGCert)

Master of Science in Data Science and Financial Technology (MSc)

Postgraduate Diploma in Data Science and Financial Technology (PGDip)

Master of Science in Data Science and Artificial Intelligence (MSc)

Postgraduate Diploma in Data Science and Artificial Intelligence (PGDip)

Qualification structures

For the modules appearing under each qualification, see [Appendix A](#). For the module outlines, see [Appendix B](#).

Data Science

1.2

For the award of **MSc Data Science** you must complete:

four core modules (60 credits total)

two compulsory modules (30 credits total)

four optional modules (60 credits total)

a Final Project (30 credits total)

1.3

For the award of a **PGDip Data Science** you must complete:

four core modules (60 credits total)

two compulsory modules (30 credits total)

two optional modules (30 credits total)

1.4

For the award of a **PGCert Data Science** you must complete:

two core modules chosen from a list (30 credits total)

any two other modules (either core or optional modules) (30 credits total)

Data Science and Financial Technology

1.5

For the award of **MSc Data Science and Financial Technology** you must complete:

four core modules (60 credits total)

three compulsory modules (45 credits total)

three optional modules (45 credits total)

a Final Project (30 credits total)

1.6

For the award of **PGDip Data Science and Financial Technology**, you must complete:

four core modules (60 credits total)

three compulsory modules (45 credits total)

one optional module (15 credits total)

Data Science and Artificial Intelligence

1.7

For the award of **MSc Data Science and Artificial Intelligence**, you must complete:

four core modules (60 credits total)

three compulsory modules (30 credits total)

three optional modules (60 credits total)

a Final Project (30 credits total)

1.8

For the award of **PGDip Data Science and Artificial Intelligence**, you must complete:

four core modules (60 credits total)

three compulsory modules (30 credits total)

one optional module (30 credits total)



2 Registration

Full details of the Entrance Requirements for the programme are listed on the requirements tab of the [website](#)

Effective date of registration

2.1

Your effective date of registration will be either:

1 October, if you first register before the September registration deadline

1 April, if you first register before the March registration deadline

Date of first examinations

2.2

If your date of registration is:

1 October, you will take your first examinations in March of the following year

1 April, you will take your first examination in September of the same year

Period of registration

See the Programme Specification for the minimum periods of registration applicable to this programme.

2.7

For all programmes, you can attempt the modules in any order, subject to module availability.

Whilst you can attempt modules in any order, it is strongly recommended that:

You take DSM020 *Data Programming in Python* in the first session that you register for on the programme;

You take DSM060 *Data Science Research Topics* before registering for DSM500



Summary table of assessment

4.6

Modules		Assessment Element 1	Assessment Element 2
Core modules	[DSM010] - Big data analysis	Coursework item 1: 30%	Coursework item 2: 70%
	[DSM020] - Data programming in Python	Coursework item 1: 30%	Coursework item 2: 70%
	[DSM030] - Statistics and statistical data mining	Coursework: 50%	Written examination: 50%
	[DSM040] - Machine learning	Coursework item 1: 50%	Coursework item 2: 50%
Compulsory module			
	[DSM060] - Data science research topics	Coursework item 1: 50%	Coursework item 2: 50%
Optional modules	[DSM070] .		

Deadlines for items of assessment and submission guidance

See the [VLE](#) for full details of all the assessment points, deadlines and submission guidance.

4.13

All assessments must be submitted by the prescribed deadlines.

4.14

For coursework and project items, you should not exceed the maximum word limits by more than 10%. If the word count is between 10% to 20% above the maximum word limit, five marks will be deducted. If the word count exceeds the maximum word limit by more than 20%, you will receive a mark of zero for your work.

The content within the main body of text comprises the overall word count, including in-text citations, references, quotes, heading and sub-headings. The cover page, reference list and any appendices do **not** count towards the overall word count. Full submission instructions are included in the VLE with coursework submission forms.

Number of attempts permitted at an element of assessment

If you register to resit one or more elements of assessment for a module, you will be required to

your mark for the new module will be used for the purposes of classification.

4.21

You will not be permitted to swap any module which you have passed.

Students are permitted to withdraw from a module within **14 days of the module start date** with no financial penalty. You will not be permitted to register for an alternative until the next session.

If you choose to withdraw from a module later than 14 days after module start date you will need to pay a new module fee should you decide to swap for an available alternative module.

6 Scheme of award

If your last assessments take place in the October session, the date of award will be 1 May in the year of the last assessments that contribute to the award.

If your last assessments take place in the April session, the date of award will be 1 November in the year of the last assessments that contribute to the award.

Mark scheme

6.1

The following mark scheme is used for the MSc, PGDip and PGCert:

Mark range	Outcome
70% and over	Distinction
60% . 69%	Merit
50% . 59%	Pass
0% . 49%	Fail

6.2

To be granted the award with Distinction, your mean average mark for modules mA

Exit qualifications

6.8

If you are registered on an MSc or PGDip programme and are unable to complete your programme of study, an exit qualification (i.e. a PGCert or PGDip) may be granted for the successful completion of 60 or 120 credits respectively.

6.9

All exit qualifications are granted at the discretion of the exam board.

6.10

If you are registered on a specialist MSc programme and cannot complete your programme of study, you may be awarded a PGDip in line with your named specialism, providing you have completed the modules listed in Appendix A. If you have not completed the modules listed but have obtained enough credits, you will be awarded a PGDip Data Science.

6.11

If you complete 60 credits, you may only be awarded a PGCert Data Science.

6.12

The award of the exit qualification will be with effect from the year in which you satisfied the requirements for that award.

6.13

If you accept a PGCert or PGDip as an exit qualification under these regulations, we will not permit you to register or re-register for the related MSc at a later date.

6.14

If you have transferred from stand-alone modules to a MSc and you are unable to complete your programme of study, you will only be permitted to use a maximum of four modules (60 credits) gained through stand-alone module studies towards the award of the PGDip.

¹ If you first registered for this programme in 2019-20 or the October session of 2020-21 and have passed DSM030 Mathematics and statistics for data science, you will be able to use DSM030 in place of DSM030

PGCert Data Science

For the award of a **PGCert Data Science**

MSc Data Science and Artificial Intelligence

For the award of an **MSc Data Science and Artificial Intelligence** you must complete:

Four core modules (60 credits total):

Data programming in Python [DSM020]

Statistics and Statistical Data Mining [DSM030] ¹

Machine learning [DSM040]

Artificial intelligence [DSM100]

+

Three

PGDip Data Science and Artificial Intelligence

For the award of a PGDip Data Science and Artificial Intelligence you must complete:

Four core modules (60 credits total):

Data programming in Python [DSM020]

Statistics and Statistical Data Mining [DSM030] ¹

Machine learn11.04 Tf1



This is both a practical and a theoretical module. It is practical in the sense that by running through the exercises you will have designed and implemented your own blockchain by the end. It is theoretical in the sense that you will have learned the theory behind security issues and the claims for competitive paths to blockchain issues. Your implementation is meant to reflect your thinking on the theoretical issues.

Financial Markets [DSM080]

Natural language processing [DSM140]

Machine processing of natural language is a key target for the application of Data Science techniques. It has a range of specialised techniques that are being developed in a large and growing research field of Natural Language Processing (NLP). By taking this module you will gain a solid grasp and practical experience of those techniques.

This module is intended to provide you with a grounding in both rule-based and statistical approaches to NLP, and combines theoretical study with hands-on work employing widely used software packages. The module focuses on text processing, and does not dea

