

Unit and programme catalogues

University of Bristol

Programme structure: Data Science (MSc) - what's running in 2022/23

This section describes which Units you will take in which year of study. It indicates which units are mandatory and where you will be able to choose. The overall pass marks you will need to achieve in order to progress or achieve an award are shown. The full regulations concerning progression and completion are held in the [University's Regulations and Code of Practice](#). Any particular aspects of your programme that are unusual will be highlighted. If any Units are must pass this will be shown below. The linked unit specifications detail any additional requirements.

[What do the Levels represent?](#)

[What do the teaching blocks \(TB\) mean?](#)

- [Year 1 \(2022/23\)](#)
- [Year 2 \(2022/23\) Part-time](#)

Full Time

Must pass unit: Data Science Mini-Project (TB2) 20CP.

Unit name	Unit code	Credit points	Status	Teaching Block
Large-Scale Data Engineering 大规模数据工程	EMATM0051	20	Mandatory	TB-1
Technology, Innovation, Business, and Society (TIBS) 技术、创新、商业和社会	EMATM0049	20	Mandatory	TB-1
Introduction to Data Analytics 数据分析导论	COMSM0089	10	Mandatory	TB-2
Advanced Data Analytics 高级数据分析	COMSM0088	20	Mandatory	TB-2
Introduction to Artificial Intelligence 人工智能导论	EMATM0044	10	Mandatory	TB-2
Data Science Mini-Project 数据科学小项目	EMATM0050	20	Mandatory	TB-2
Data Science Project 数据科学项目	EMATM0047	60	Mandatory	AYEAR
Select 20CP from:				
Software Development: Programming and Algorithms 软件开发: 编程与算法	EMATM0048	20	Optional	TB-1
Statistical Computing and Empirical Methods 统计计算和经验方法	EMATM0061	20	Optional	TB-1
		180		

Progression/award requirements

The pass mark set by the University for any level 7(M) unit is 50 out of 100.

For detailed rules on progression please see the [Regulations and Code of Practice](#) for Taught Programmes and the relevant faculty handbook.

Exit awards

All taught masters programmes, unless exempted by Senate, must allow the opportunity for students to exit from the programme with a postgraduate diploma or certificate.

To be awarded a postgraduate diploma, students must have successfully completed 120 credit points, of which 90 must be at level M/7.

To be awarded a postgraduate certificate, students must have successfully completed 60 credit points, of which 40 must be at level M/7.

Degree classifications:

An award with Merit or Distinction is permitted for postgraduate taught masters, diplomas and certificates, where these are specifically named entry-level qualifications. An award with Merit or Distinction is not permitted for exit awards where students are required to exit the programme on academic grounds but is permitted in designated programmes (as set out in the programme specification) where students choose to withdraw from the intended programme but otherwise achieve the necessary credit points for the exit award.

The classification of the award in relation to the final programme mark is as follows:

Award with **Distinction***: at least 65 out of 100 for the taught component overall and, for masters awards, at least 70 out of 100 for the dissertation. **Faculties retain discretion to increase these thresholds.

Award with **Merit***: at least 60 out of 100 for the taught component overall and, for masters awards, at least 60 out of 100 for the dissertation. Faculties retain discretion to increase these thresholds.

* The MA in Law has separate regulations for awarding distinction and merit.

** For the award of Distinction, the Faculty of Engineering requires at least 70 out of 100 for the taught component overall and, for masters awards, at least 70 out of 100 for the dissertation.

Diploma/certificate stages:

All taught masters programmes, unless exempted by Senate, must allow the opportunity for students to choose, or be required, to leave at the postgraduate diploma or certificate stage.

To be awarded a postgraduate diploma, students must have successfully completed 120 credit points, of which 90 must be at level M/7.

To be awarded a postgraduate certificate, students must have successfully completed 60 credit points, of which 40 must be at level M/7.

Related links

[Structure by entry cohort](#)

[Specification](#)

[Programmes available in the Department of Engineering Mathematics](#)