

Unit and programme catalogues

University of Bristol

Programme structure: Scientific Computing with Data Science (MSc) for 2024/25 entry cohort

Please note: Programme and unit information may change as the relevant academic field develops. We may also make changes to the structure of programmes and assessments to improve the student experience.

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.

- [Year 1 \(2024/25 entry cohort\)](#)

Unit name	Unit code	Credit points	Status	Teaching Block
Group Project in Scientific Computing with Data Science	CHEMM0025	20	Mandatory	TB-4
Special Topics in Artificial Intelligence and Deep Learning	SCIFM0002	20	Mandatory	TB-2
Special Core in Software Engineering and High Performance Computing for Scientists	SCIFM0004	20	Mandatory	TB-1,TB-2
Research Project in Scientific Computing with Data Science	CHEMM0026	60	Mandatory	TB-2
Students have to complete EITHER CHEMM0027 (Introductory Pathway) OR CHEMM0028 (Intermediate Pathway) depending on their prior experience of computing. The allocation to pathways will be determined on admission to the programme.				
Intensive Introductory Scientific Computing with Data Science	CHEMM0027	40	Optional	TB-1
		180		

Unit name	Unit code	Credit points	Status	Teaching Block
Intensive Intermediate Scientific Computing with Data Science	CHEMM0028	40	Optional	TB-1
Select one 20 credit point optional unit. CHEMMXXXX Specified level-7 options shared with integrated masters programmes in the School of Physics dependent on curriculum review. PHYSMXXX Specified level-7 options shared with integrated masters programmes—dependent on curriculum review.				
		180		

Progression/award requirements

The pass mark set by the University for any level 7 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.

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. An exit award with Merit or Distinction may be permitted where students are prevented by exceptional circumstances from completing the intended 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 7.

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

Related links

[What's running in 2024/25](#)

[Specification](#)

[Programmes available in the School of Chemistry](#)