

Progression guide for Mathematics and Statistics

This guide contains subject-specific progression requirements for each programme year, which are in addition to University requirements.

About this guide

This document is a guide to the subject-specific requirements for progress in Mathematics and Statistics degrees.

In order to progress as a full-time student, students at all levels must meet the University generic requirements and supplementary regulations of the student's college } in addition to the subject-specific requirements for each year, detailed in the following chapters. Details of the generic and supplementary regulations, can be found in the [University Regulations](#) for the appropriate college.

Students who fail to meet the generic requirements will be considered by the college progress committee.

Please see links below or on the side for details for each year.

[Subject requirements for Year 2](#)

[Subject requirements for Year 3](#)

[Subject requirements for Year 4 and above](#)

Subject requirements for Year 2

The entrance requirements for Level 2 mathematics or statistics courses are detailed below.

For courses

- Mathematics 2A: Multivariable Calculus (MATHS2001)
- Mathematics 2B: Linear Algebra (MATHS2004)
- Mathematics 2C: Introduction to Real Analysis (MATHS2032)
- Mathematics 2D: Mathematical Methods and Modelling (MATHS2033)
- Mathematics 2E: Mechanics (MATHS2034)
- Mathematics 2F: Groups, Transformations and Symmetries (MATHS2035)

the requirements of entry are

- Mathematics 1 (MATHS1017) at least D3.

For courses

- Mathematics 2T: Topics in Discrete Mathematics (MATHS2025)
- Mathematics 2P: Graphs and Networks (MATHS2027)

the requirements of entry are

- Mathematics 1 (MATHS1017) at least D3, or
- Mathematics 1G: Introduction to Algebra, Geometry & Networks (MATHS 1016) at least D3.

Please note: First year Statistics is not required to enter second year Statistics. However, students considering a degree in Statistics are strongly advised to take Statistics 1Y and 1Z in their first year.

Subject requirements for Year 3

In order to continue normally into Honours, students will need to meet **both the honours generic requirements specified by their College (published in the [University Regulation](#), e.g. pages Sci.Eng.6 & Sci.Eng.12) and the subject-specific requirements laid down by the relevant School(s).**

Students have to finalise their choice of degree programme at the end of their second year, and then work towards that degree in later years. They may aim towards three different types of award.

1. A BSc or MA Honours degree, either Single Honours (one subject) or Combined Honours (two subjects), which will require them to study their chosen subject(s) intensively for two further years.
2. A Master in Science (MSci) degree; this is an integrated Master's degree that will require three further years of study. These degrees are only open to Science students, so students registered in another College (Arts or Social Sciences) who are interested in an MSci will have to ensure that they are qualified to transfer into Science.
3. Other students will complete a Designated Degree in one further year of study. Again, these degrees are only open to Science students.

The next two chapters provide the fully detailed list of subject requirements for progression to the third year of the Mathematics, Statistics and Mathematics and Statistics combined degree programmes.

[3.1 Progress into Year 3](#)

[3.2 Progress into Year 3 if repeating Year 2](#)

Progress into Year 3

To continue from level 2 normally into Honours at the next academic session, students will need to meet both the honours generic requirements, and the subject specific requirements, detailed below. Students may not normally transfer between honours degrees without explicit permission of the school progress committee.

Mathematics

| Degree Programme | Mathematics Requirements | If not met |
|------------------|---|---|
| Maths MSci | Maths 2ABCDEF each at grade C3 and GPA ≥ 15.0 all at first attempt | Check requirements for Maths BSc Hons |
| Maths BSc Hons | Maths 2ABCDEF each at grade D3 and GPA ≥ 12.0 all at first attempt | ² Check requirements for Maths DD120 |
| Maths DD120 | Maths 2ABCDEF each at grade D3 and GPA ≥ 12.0 after resits if required | ² Check requirements for Maths DD80 or consider repeating level 2 Maths ³ |
| Maths DD80 | Maths 2ABD each at grade D3 Maths 2CEF GPA ≥ 9.0 after resits if required | Consider repeating Maths level 2 ³ or exit with Certificate or Diploma of Higher Education |

Statistics

| Degree Programme | Mathematics Requirements | If not met | Statistics Requirements | If not met |
|--|--|---------------------------------------|---|--|
| Stats MSci or Stats MSci with Work Placement | Maths 2ABD each at grade D3 and GPA ≥ 15.0 all at first attempt | Check requirements for Stats BSc Hons | Stats 2RSXY each at grade C3 and GPA ≥ 15.0 all at first attempt | Check requirements for Stats BSc Hons or consider Maths MSci |

| Degree Programme | Mathematics Requirements | If not met | Statistics Requirements | If not met |
|------------------|--|---|---|--|
| Stats BSc Hons | Maths 2ABD each at grade D3 and GPA \geq 12.0 all at first attempt | ² Check requirements for Stats DD120 | Stats 2RSXY each at grade D3 and GPA \geq 12.0 all at first attempt | ² Check requirements for Stats DD120 or consider Maths BSc Hons |
| Stats BSc DD120 | Maths 2ABD each at grade D3 and GPA \geq 12.0 after resits if required | ² Check requirements for Stats DD80 or consider repeating level 2 Maths/Stats ³ | Stats 2RSXY each at grade D3 and GPA \geq 12.0 after resits if required | ² Check requirements for Stats DD80, consider Maths DD120 or consider repeating level 2 Maths/Stats ³ |
| Stats BSc DD80 | Maths 2ABD GPA \geq 9.0 after resits if required | Consider repeating Maths/Stats level 2 ³ or exit with Certificate or Diploma of Higher Education | Stats 2RSXY each at grade D3 after resits if required | Consider Maths DD80, consider repeating Maths/Stats level 2 ³ or exit with Certificate or Diploma of Higher Education |

Mathematics and Statistics

| Degree Programme | Mathematics Requirements | If not met | Statistics Requirements | If not met |
|----------------------|---|--|---|---|
| Maths-Stats MSci | Maths 2ABCDEF each at grade C3 and GPA ≥ 15.0 all at first attempt | Check requirements for Maths-Stats BSc Hons or consider MSci Stats | Stats 2RSXY each at grade C3 and GPA ≥ 15.0 all at first attempt | Check requirements for Maths-Stats BSc Hons or consider Maths MSci |
| Maths-Stats BSc Hons | Maths 2ABCDEF each at grade D3 and GPA ≥ 12.0 all at first attempt | ² Check requirements for Maths-Stats DD120 or consider Stats BSc Hons | Stats 2RSXY each at grade D3 and GPA ≥ 12.0 all at first attempt | ² Check requirements for Maths-Stats DD120, consider Maths BSc Hons |
| Maths-Stats DD120 | Maths 2ABCDEF each at grade D3 and GPA ≥ 12.0 after resits if required | ² Consider Stats DD120/DD80 or Maths DD80 or repeating Maths/Stats level 2 ³ | Stats 2RSXY each at grade D3 and GPA ≥ 12.0 after resits if required | ² Consider Stats DD80 or Maths DD120/DD80 or consider repeating Maths/Stats level 2 ³ |

Notes:

4. Combined MSci or Honours students must also meet the subject-specific requirements laid down by their other subject.
5. Students who fail one or two Level-2 courses at the first attempt might be issued with a conditional offer for Honours/DD120 by the School's Progress Committee, which may include higher individual targets.
6. Currently students who do not meet the entrance requirements are allowed to repeat level 2 courses in the school precisely once and still have the opportunity to proceed to Honours. However, unless mitigating circumstances are approved by the school progress committee, all courses required for the Honours entry requirements should be repeated and entry requirements for Honours must be met at the first attempt. There will be no discretion shown by the school progress committee after a repeat of level 2 courses.

[Flowchart for progression in Mathematics \(PDF file\)](#)

[Flowchart for progression in Statistics \(PDF file\)](#)

Progress into Year 3 if repeating Year 2

Currently students who do not meet the Honours entrance requirements are allowed to repeat level 2 courses in the school precisely once and still have the opportunity to proceed to Honours. However, unless mitigating circumstances are approved by the school progress committee, all courses required for the Honours entry requirements should be repeated and entry requirements for Honours must be met at the first attempt [See [Progress into Year 3](#) for requirements]. There will be no discretion shown by the school progress committee after a repeat of level 2 courses.

Students who do not meet the subject requirements

The subject requirements listed in Section 3.1 guarantee entry to the respective third-year classes. Students who do not quite meet these requirements may also be admitted to a third-year class at the discretion of the Head of School, if there are mitigating circumstances and places available in that class. In the School of Mathematics and Statistics, the Head of School has delegated progress decisions to the School Progress Committee convened by the School's Assessment Officer.

Each year, the Progress Committee meets within one week of the date of the last Level-2 Examiners' Meeting in the School. At that meeting, the committee confirms offers of places in MSci, Honours and Designated Degree classes to those students who have met the subject requirements listed above. The committee also reviews the cases of students who have narrowly failed to meet the above requirements (e.g. those who meet the GPA requirement but have failed one or two of the required courses at the first attempt). It makes conditional offers of MSci, Honours or Designated Degree places to such students and sets them individual targets for the resit examinations. It is important to note that, for the purpose of calculating GPAs, the committee caps resit results at D3 (or 9 grade points).

The School aims to notify all second-year students of the decisions of the Progress Committee no later than one week after the publication of the last set of Level-2 results. Students are asked not to seek information about these decisions from the School or members of the Progress Committee or their Adviser of Studies in that period, but to allow the School time to process several hundred individual decisions.

The Progress Committee meets again after the resit examinations in order to review cases where conditional offers were made in June. Those students who meet their individual targets will be automatically admitted to the relevant programme. Again, the School aims to contact all students in this situation within one week of the release of the last set of Level-2 resit results.

Illness and adverse personal circumstances

Students who believe their performance in any assessment, including an examination, has been adversely affected by illness or other personal or family circumstances should fill in a good cause claim as soon as possible and (unless there is good reason for delay) within 7 days of the assessment deadline or examination. They should do this even if they hand in the assessment or attend for the examination, if they believe their performance has been affected. University guidance for good cause claims can be found [here](#). You can find more school level information about good cause for assessment [here](#). If there are mitigating circumstances which you would like the progress committee to consider for progression, which do not form a good cause claim, please inform the convenor of the committee, and provide suitable supporting evidence.

Repeating second year

Students who do not meet the entry requirements for their preferred third-year class after the resits may opt to repeat second year on one occasion. (There are financial and other implications of such a decision that the student is strongly recommended to discuss with their Adviser of Studies.) In order to achieve entry to Honours at the end of that year, repeat students must meet the entry requirements at the first attempt, there will be no discretion by the school progress committee following a repeat year.

The school progress committee will still have discretion to make conditional offers to students who are repeating second year as a result of illness or adverse circumstances and who withdrew from their studies or were awarded MVs for both the first and resit examination diets at their previous attempt.

Subject requirements for Year 4 and above

BSc Hons Degrees

Our school requires combined students to achieve a GPA of 9.0 in each subject of their degree represented in the school in their third year to continue into 4th year. Students on combined degrees must also meet any rules of their combined subject.

The assessment rules require that the first attempt at an honours exam is counted, so there are no resits available to honours students unless a good cause claim is approved. Provided the progression requirement of a GPA of 9 is met, any course grade which is less than a D3 is included in the final Honours degree classification. Those exams with `MV' being returned based on a valid good cause claim, can be taken as a first attempt in the August resit diet.

Generally, students that do not meet the progression requirement to continue to 4th year will either graduate with a designated degree, or take resits in order to meet the designated degree requirements. Without good cause, resits are only permitted in 3rd year for students aiming towards a designated degree.

The overall requirements and procedures for award of the BSc degree after the 4th year of study can be found in the subject handbooks.

MSci degrees

Students must achieve a GPA of 15.0 in each subject of their degree represented in the school in their third year to continue into 4th year of the MSci programme. Students on combined degrees must also meet any rules of their combined subject.

The assessment rules require that the first attempt at an honours exam is counted, so there are no resits available to honours students unless a good cause claim is approved. Provided the progression requirement of a GPA of 9 is met, any course grade which is less than a D3 is included in the final degree classification. Those exams with `MV' being returned based on a valid good cause claim, can be taken as a first attempt in the August resit diet.

Generally, students that do not meet the progression requirement to continue to 4th/5th year of the MSci will convert to the BSc Hons degree (and either continue to year 4, or graduate at the end of year 4), or resit as appropriate for the designated degree.

Those exams from the 3rd year of the course with `MV' being returned based on a valid good cause claim, can be taken as a first attempt in the August resit diet. There are not normally resits for available in August for level 4 or 5 exams. Details regarding how award of good cause in these exams is implemented can be found in the subject handbooks along with the overall requirements and procedures for award of the MSci degree after the 5th year of study can be found in the subject handbooks.

Progression from junior to senior Honours flowchart

In addition to the above subject requirements there are further generic requirements that have to be met in order to be admitted to Level 4 of an Honours degree program involving Mathematics or Statistics. The details are explained [here](#).