

**2023 program admission requirements: Department of Computer and Mathematical Sciences
Oct 13, 2022**

This document lists the requirements for admission to the restricted programs in the Department of Computer and Mathematical Sciences (CMS), during the 2023 POSt application periods. Typically, these are students who enter UTSC in Fall 2022, or earlier, and complete their required A-level courses by the end of the Winter 2023 or Summer 2023 semesters.

If you entered CMS as a first year student in Fall 2021 or 2022, then you are in an Admission Category - either CS, Math or Stats. This gives you an advantage when applying for a Subject POSt in that discipline. You will always be considered part of that admission category, and so will always have that advantage, even if you enroll in a different subject POSt.

Admission to co-op programs has additional requirements. Students should review the individual program descriptions in the Academic Calendar.

Computer Science

In order to apply for a Computer Science POST, you must have completed 4.0 credits, including all required A-level CSC and MAT courses.

Minor in Computer Science

To apply, you must complete 4.0 credits, including all required A-level CSC and MAT courses (CSCA08, CSCA48, and one of CSCA67/MATA67, MATA22/A23, MATA30/A31/A32).

Students will be selected based on their grades in: CSCA48, CSCA67/MATA67, MATA22/A23.

Specialist and Major in Computer Science

For students in the Computer Science admission category:

You will be admitted to your choice of the Computer Science Major or the Software Engineering and Comprehensive streams of the Computer Science Specialist if you achieve all of the following grades:

1. A grade point average of at least 2.5 across the following five courses: CSC/MAT A67, CSC A48, MAT A22, MAT A31, MAT A37.
2. A grade of at least B in CSC A48.
3. A grade of at least C- in two of CSC/MAT A67, MAT A22, MAT A37.

These requirements are designed to demonstrate that you have the background and aptitude to succeed in our upper year courses.

There are a limited number of spaces in the Information Systems stream and the Entrepreneurship stream of the Computer Science Specialist. Admission to those will be based on grades in the required A-level courses, and for the Entrepreneurship stream, supplemental application materials.

Retaking courses: Each of CSC/MAT A67, CSCA48, MATA22, MATA37 may be retaken once for the purpose of meeting these requirements. If you do so, then we will consider the higher grade on the two attempts. If you withdraw from a course before the deadline to withdraw without academic penalty then it does not count as an attempt. If you pass MATA31 then you cannot retake it for the purpose of meeting these requirements; we will only consider your first passing grade for this course.

For students in other admission categories:

There will be *extra spaces* in the Computer Science Specialist and Major available for students from other admission categories. The number of extra spaces depends on the number of successful applicants from the Computer Science admission category. Students will be selected for admission to these spaces based on their grades in CSC/MAT A67, CSC A48, MAT A22, MAT A37.

Students in the Mathematics or Statistics admission categories may apply for one of these extra spaces upon completion of the required courses.

Students in admission categories from outside CMS are eligible to apply for one of these extra spaces upon completion of the required courses if they achieve:

- at least an A- in both CSC/MAT A67 and MAT A31 the first time that they complete those courses.

Those grades do not guarantee admission. They simply allow the student to apply.

There is a very high demand for Computer Science programs. We anticipate that the grades required to be admitted to one of these extra spaces to be much higher than the requirements for students in the CS admission category.

Retaking courses: When determining who is admitted to these extra spaces, we will only consider the first passing grade and all failing grades in the required courses. In other words, if you pass a course and then retake it, it will not increase your chances of being admitted.

For students who began at UTSC prior to 2021:

We have a small number of spaces in the CS Major and Specialist for students who entered CMS prior to 2021, and hence are not in an admission category, and did not complete their A-level courses in time to apply for a POST in 2022. These are not amongst the extra spaces for 2022 students from other admission categories; you will not be competing with those students. Students will be selected based on their grades in CSC/MATA67, CSCA48, MATA22, MATA37.

Retaking courses: We will only consider the first passing grade and all failing grades in the required courses. In other words, if you pass a course and then retake it, it will not increase your chances of being admitted.

Mathematics

In order to apply for a Mathematics POST, you must have completed 4.0 credits, including all required A-level CSC and MAT courses.

For students in the Mathematics admission category:

You will be admitted to the Mathematics Major if you achieve all of the following:

1. A grade point average of at least 2.0 across the following four courses: CSC/MAT A67, MAT A22, MAT A31, MAT A37.
2. A grade of at least B in one of CSC/MAT A67, MAT A22, MAT A37.

You will be admitted to any stream of the Mathematics Specialist if you achieve all of the following:

1. A grade point average of at least 2.5 across the following four courses: CSC/MAT A67, MAT A22, MAT A31, MAT A37.
2. A grade of at least B in two of CSC/MAT A67, MAT A22, MAT A37.

These requirements are designed to demonstrate that you have the background and aptitude to succeed in our upper year courses.

Retaking courses: Each of CSC/MATA67, MATA22, MATA37 may be retaken once for the purpose of meeting these requirements. If you do so, then we will consider the higher grade on the two attempts. If you withdraw from a course before the deadline to withdraw without academic penalty then it does not count as an attempt. If you pass MATA31 then you cannot retake it for the purpose of meeting these requirements; we will only consider your first passing grade for this course.

For students in other admission categories:

There will be *extra spaces* available in the Mathematics Major and Specialist for students from other admission categories. The number of spaces will depend on the number of successful applicants from the Mathematics admission category. Students will be selected for admission to these spaces based on their grades in CSC/MATA67, MATA22, MATA31, MATA37.

Students may apply for one of these extra spaces upon completion of the required courses.

Retaking courses: Each of CSC/MATA67, MATA22, MATA37 may be retaken once for the purpose of meeting these requirements. If you do so, then we will consider the higher grade on the two attempts. If you withdraw from a course before the deadline to withdraw without academic penalty then it does not count as an attempt. If you pass MATA31 then you cannot retake it for the purpose of meeting these requirements; we will only consider your first passing grade for this course.

For students who began at UTSC prior to 2021:

We have spaces in the Mathematics Major and Specialist reserved for students who entered CMS prior to 2021, and hence are not in an admission category, and did not complete their A-level courses in time to apply for a POST in 2022. These are not amongst the extra spaces for 2022 students from other admission categories. You will not

be competing with those students. Students will be selected based on their grades in CSC/MATA67, MATA22, MATA31, MATA37.

Retaking courses: Each of CSC/MATA67, MATA22, MATA37 may be retaken once for the purpose of meeting these requirements. If you do so, then we will consider the higher grade on the two attempts. If you withdraw from a course before the deadline to withdraw without academic penalty then it does not count as an attempt. If you pass MATA31 then you cannot retake it for the purpose of meeting these requirements; we will only consider your first passing grade for this course.

Statistics

In order to apply for a Statistics POST, you must have completed 4.0 credits including all required A-level CSC and MAT courses.

For students in the Statistics admission category:

You will be admitted to the Statistics Major if you achieve all of the following grades:

1. A grade point average of at least 2.3 across the following four courses: CSCA08/A20, MATA22, MATA30/A31, MATA36/A37.

In order to be eligible to apply to a Specialist stream, you need to achieve all of the following grades:

1. A grade point average of at least 2.5 across the following four courses: CSCA08, CSC/MATA67, MATA22, MATA31, MATA37.
2. For the Machine Learning and Data Specialist Stream only: A grade of at least B in CSCA48.

Achieving these grades does not guarantee admission to the specialist. Students will be selected for the available spaces based on their grades.

When admitting to the Specialist streams, priority will go to students from the Statistics admission category, and demonstrate background.

These requirements are designed to demonstrate that you have the background and aptitude to succeed in our upper year courses.

Retaking courses: Each of CSC/MATA67, MATA22, MATA36/A37, CSCA48 may be retaken once for the purpose of meeting these requirements. If you do so, then we will consider the higher grade on the two attempts. If you withdraw from a course before the deadline to withdraw without academic penalty then it does not count as an attempt. If you pass MATA31 and/or CSCA08/A20 then you cannot retake them for the purpose of meeting these requirements; we will only consider your first passing grade for these courses.

For students in other admission categories:

There will be *extra spaces* available in the Statistics Major and Specialist for students from other admission categories. The number of spaces will depend on the number of successful applicants from the Statistics admission category. Students will be selected for admission to these spaces based on their grades in the required courses.

Students may apply for one of these extra spaces upon completion of the required courses.

Retaking courses: When determining who is admitted to these extra spaces, we will only consider the first passing grade and all failing grades in the required courses. In other words, if you pass a course and then retake it, it will not increase your chances of being admitted.

For students who began at UTSC prior to 2021:

We have a small number of spaces in the Stats Major and Specialist for students who entered CMS prior to 2021, and hence are not in an admission category, and did not complete their A-level courses in time to apply for a POST in 2022. These are not amongst the extra spaces for 2021 students from other admission categories; you will not be competing with those students. Students will be selected based on their grades in MATA22, MATA30/A31, MATA36/A37 and CSCA48 (Specialist only).

Retaking courses: We will only consider the first passing grade and all failing grades in the required courses. In other words, if you pass a course and then retake it, it will not increase your chances of being admitted.