

IMPORTANT INFORMATION FOR APPLICANTS APPLYING
for
BA (Honours) with Major in Mathematics

The School of Undergraduate Studies (SUS) is the academic home for all undergraduate programmes. The seven BA Honours programmes offer students a unique liberal arts education that acquaints them with diverse approaches to knowledge. The undergraduate programmes at AUD offer students a wide choice of courses.

The School teaches students to think critically and creatively, to analyse and reason, to communicate effectively and to draw evidence-based conclusions. It aims to achieve a balance between the range and depth of the subjects studied.

The unique aspect of undergraduate programmes at AUD is that there are common modules for foundational skills comprising language, writing skills and communication skills. A typical BA Programme has four types of courses:

1. Foundation Compulsory Courses (12 Credits)
2. Foundation Optional Courses (4-8 Credits)
3. Discipline Courses (48-64 Credits)
4. Electives Outside Discipline (16-32 Credits)

BA (Hons) with Major in Mathematics

An Honours in Mathematics at the undergraduate level is one of the most versatile degrees in terms of skills, knowledge base and career options. The BA Honours with a Major in Mathematics at AUD will provide the opportunity to develop all the above abilities and at the same time greatly enhance computational skills. The flexible framework of the credit-based semester system at AUD provides a perfect opportunity to build a strong foundation in modern Mathematics as well as ability to explore other disciplines.

Structure

The programme is delivered through a total number of 96 credits over six semesters. The programme consists of two types of courses. Core or compulsory courses and elective courses. The core courses in mathematics will cover abstract algebra, real analysis, numerical analysis, probability and statistics, differential equations and linear optimization. A wide variety of elective courses in Mathematics will cover topics like mathematical finance, actuarial mathematics, mathematics for computer science, discrete mathematics, number theory and cryptography, advanced algebra, advanced analysis, mathematical modelling and so on.

Computational skills and programming skills will be taught through extensive practical lessons. Students may also transfer from one Major to another subject to certain specified criteria. The course comprises tutorial and lab sessions, workshops and seminars etc.

Internship

The undergraduate programme in Mathematics does not have a compulsory internship. However, students are encouraged to apply for internships that require training in mathematics in companies or in other reputed institutions. They are also encouraged to participate in summer schools and other programmes of a mathematical nature.

Project

A strong project component will seek to augment their understanding of the discipline and its many applications. Some of the Mathematics courses may also have this component.

Total seats: 35 seats (offered at Kashmere Gate campus)

Medium of instruction: English

Eligibility: The candidate must have passed the class XII or an equivalent examination from a recognised Board and secured the minimum of 65% in Mathematics.

Fees:

Tuition fee of Rs.1,11,360/- (@Rs. 1160/- per credit i.e. Rs. 18,560/- per semester) + Rs.5000/- (one-time, refundable caution deposit) + Rs.500/- per semester for student welfare fund.

If a student opts for extra credits, an additional fee of Rs.1160/- per credit will have to be paid.

Partial/Full fee waiver and scholarships are available. Full fee waiver of tuition fee will be extended to students belonging to SC/ST/PwD categories.

Selection procedure

The selection will be based on merit on the basis of the marks obtained in class XII, which will not include any vocational subject.

Reservations norms of Government of NCT of Delhi will apply.