



# Graduate studies in Mathematics at International Centre for Theoretical Sciences

The International Centre for Theoretical Sciences (ICTS), Tata Institute of Fundamental Research (TIFR), Bengaluru is inviting applications from highly motivated candidates interested in pursuing doctoral research in Mathematics.

ICTS is a unique institution with a three-pronged mandate: To conduct world-class research in theoretical sciences, to provide a platform to organize various visitor-driven programs for the benefit of the wider scientific community, and to spread scientific temper and the spirit of inquiry through public outreach activities.

Our graduate students will have the opportunity to work with research groups working on a wide range of topics in algebra, differential equations, geophysical fluid dynamics, geometry and topology, mathematical physics, numerical analysis, and probability theory. In addition, students at ICTS have the opportunity to work on interdisciplinary problems in the mathematical sciences.

The ICTS graduate program aims to offer well-rounded training in mathematics. Our graduate students will benefit from the large number of ICTS programs that bring in leading experts to the campus, and will have access to state-of-the-art facilities. Students will also have the opportunity to participate in the ICTS outreach activities.

*ICTS is committed to building an environment that is inclusive, non-discriminatory and welcoming of diverse individuals. We especially encourage the participation of women and other under-represented groups.*

## HOW TO APPLY

The first level of selection is performed using valid scores/ranks from the following national exams:

- TIFR GS Exam  
(<https://www.tifr.res.in/~academics/>)
- CSIR-UGC NET: Mathematical Sciences  
- JRF eligible (with a rank valid in May 2025)

The cutoff scores/ranks for each exam will be announced on the program web page. Eligible candidates can apply by completing the online application form. Performance in the national exam, along with the additional information requested in the online application form (such as academic records, statement of purpose, reference letters, etc.) will be used to shortlist candidates for further selection process. The final selection will be based on face-to-face interviews.

Eligible candidates from the TIFR GS exam will be contacted directly. For the CSIR-UGC NET stream, applications are expected to begin in Jan 2025. For updated information please visit the web page.

## ELIGIBILITY

M.A./M.Sc./M.Math./M.Stat. or equivalent degree

