Master of Science in Applied and Computational Mathematics

Introduction

These guidelines are intended to help familiarize graduate students in the Department of Applied Mathematics with the policies governing this degree. All the guidelines below apply to the on-campus Master of Science in Applied and Computational Mathematics degree unless otherwise specified. This material supplements the graduate school information found on the Graduate Student Resources page and on the Master’s Degree Policies page. Students are expected to be familiar with these procedures and regulations.

Requirements

The Master of Science in Applied and Computational Mathematics curriculum is intended to give the student a working knowledge of several areas of applied mathematics, which may include a specific area of application, in order to prepare for a productive career in industry. The Graduate School and the Department require a minimum of 36 credits for any M.Sc. degree. Additionally, the Department requires 9 courses, including specific core requirements. For a full list of requirements by specific program, please see this guide.

Satisfactory performance and progress (M.Sc.)

At all times, all Master's students need to make satisfactory progress towards finishing their degree. Satisfactory progress in course work is based on grades. Students are expected to maintain a grade point average of 3.2 or higher. The Graduate School rules regarding satisfactory progress are detailed in Graduate School Memorandum No. 16. The Department of Applied Mathematics follows these recommended guidelines of the Graduate School including an initial warning, followed by a maximum of three quarters of probation and one quarter of final probation, then ultimately being dropped from the program. We encourage all students to explore and utilize the many available resources across campus.

Expected academic workload

Students in the on-campus Master of Science in Applied and Computational Mathematics program may attend part-time by taking one class per quarter, or full time by taking 10 or more credits per quarter. All students who do not intend to register for a quarter must seek approved academic leave in order to maintain student status. Students who do not maintain active student status through course registration or an approved leave request need to request reinstatement to rejoin the program. Reinstatement is at the discretion of the department. Students approved for reinstatement are required to follow degree requirements active at time of reinstatement.

Thesis option

Not available for the Master of Science in Applied and Computational Mathematics program.
Admission to the Ph.D. program

If a student in the Master of Science in Applied and Computational Mathematics is interested in continuing toward a Ph.D. degree in the department, the student is expected to submit an internal application to the Graduate Program Coordinator by the announced deadline. The Graduate Program Coordinator and the AMATH faculty will consider their application together with those of other applicants to the Ph.D. program. Students will be notified of their admission status (including possible financial aid) no later than April 15. Students’ files will be evaluated with those of the external PhD applicants and admission is highly competitive.

Careers

Career resources, as well as a look at student pathways after graduation, may be found here.

Costs

The Master of Science in Applied and Computational Mathematics is a fee-based, self-sustaining program on campus. Tuition is charged per quarter. Students will pay either resident or non-resident tuition rates, according to their eligibility. Part-time and full-time students pay the same quarterly rate. Resident: $5,237/quarter (plus fees). Non-resident: $9,340/quarter (plus fees). Tuition and fees are subject to change.

FAQs | Contact the Graduate Program | Apply Now

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