

# Degree Requirements for Mathematics Graduate Programs

Koç University - Department of Mathematics

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## 1 Master of Mathematics with Thesis

- 7 courses (21 credits) need to be completed (other than TEAC 500, MATH 590, MATH 591, ENGL 500, KOLT 500, LIBR 500, ETHR 500).
- Required Courses: MATH 521, MATH 531 and (MATH 532 or MATH 522).
- Master's Thesis.

## 2 PhD in Mathematics

- *If enrolled with a Master's Degree:* 7 courses (21 credits) need to be completed (other than TEAC 500, MATH 590, MATH 695, ENGL 500, KOLT 600, LIBR 500, ETHR 500).
- *If enrolled with a Bachelor's degree:* 14 courses (42 credits) needs to be completed (other than TEAC 500, MATH 590, MATH 695, ENGL 500, KOLT 600, LIBR 500, ETHR 500).
- Required Courses: MATH 531, MATH 521 and (MATH 522 or MATH 532).
- Qualification Exam: Students should take a Ph.D. qualification exam after they complete their credit course requirements.
  - No later than end of 5th semester if enrolled with a Master's degree and no later than end of 7th semester if enrolled with Bachelor's degree.

- Thesis Proposal: Proposal needs to be submitted no later than 6 months after passing the qualification exam.
- Thesis Monitoring Meetings: At least 3 Thesis monitoring meetings with the Thesis committee at most 6 months apart is needed.
  - A Thesis progress report needs to be sent to the thesis committee members at least 15 days before each meeting.
- Ph.D. Thesis and Thesis Defense.

## 3 Additional Requirements for all Graduate Students

### 3.1 Courses that need to be completed every semester

- TEAC 500 - *Teaching Assistant Course*: Enroll in the TEAC 500 section of the instructor of the course that you are assigned as a Teaching Assistant.
- MATH 590 - *Seminar Course*: All students need to enroll in MATH 590 course every semester.
  - Students need to attend at least 5 seminars each semester to complete the requirements of this course.
  - Please bring your attendance sheets to the seminar coordinator at end of the semester.
- *Thesis Course Enrollment*: PhD and MS with thesis students must enroll in a thesis course (i.e., MATH 591 for MS, MATH 695 for PhD) every semester starting from the semester their advisor is appointed until graduation.
  - Every MS student should have an advisor by the end of their first semester and every Ph.D. student should have an advisor by the end of their second semester in the program. Enroll in your advisor's section.

### 3.2 Courses that need to be completed once before graduation

- ENGL 500 – *Academic Writing Course*: “ENGL 500 – Academic Writing Course” is a required/non-credit course and must be successfully completed before the graduation.
- ETHR 500 - *Scientific Research Methods and Research and Publication Ethics*: This course is an online course and required to be completed successfully once.
- KOLT 500 (for MS students) and KOLT 600 (for PhD students) must be completed successfully preferably the first semester that students are admitted.
  - **Note:** KOLT 500 and 600 are 1-credit courses, but the credit does not count toward degree requirements.
- LIBR 500 - *Library Researcher Development Course for Graduate Students*

## 4 Other Notes

- *Independent Study Courses* (MATH 598/MATH 599): If you wish to take independent study courses (MATH 598 / MATH 599), please note that different versions of the course may be taken more than once; however, only one independent study course can be taken for credit for your degree requirements.
  - PhD students admitted with a BS degree may take up to two such courses for credit.
- *MS with Thesis Students*: May take up to two undergraduate courses (300- or 400-level) toward their course credit requirements, with the approval of their advisor and the course instructor.
- *PhD Students*: May not take undergraduate courses toward their total course credit requirement. They may only audit undergraduate courses.
- *Auditing Courses*: MS and PhD students may audit courses with the consent of the course instructor.