



MATH MAJOR NEWSLETTER

Spring 2026

ACADEMIC CALENDAR

April 6 - 17

Summer & Fall 2026 registration for continuing and readmitted students.

April 15

Last day an undergraduate may: Q-drop a class; withdraw; change a class to pass/fail

April 27

Last Class Day

April 28 - 29

No-Class Study Days

April 30, May 1- 2, 4

Final Exams

UPCOMING FALL 2026 REGISTRATION

Please do read your university emails and SANs.

Follow the pre-registration steps found in the SANs and/or emails from your advisor.

Step 1: Run a [degree audit](#) for the degree you plan to pursue (select the correct Catalog).

Step 2: List the courses you plan to take on the spring [Advising Worksheet\(s\)](#) (use course numbers, not unique numbers); include questions or explanations under “Student Comments.”

Step 3: Read your advisor’s response on the worksheet, as they may make recommendations.

If you wish to make an appointment with Summer Cacciotti (s.cacciotti@austin.utexas.edu), Nathaniel Sulapas (nathaniel.sulapas@austin.utexas.edu), or Amy Stokes (amy.stokes@austin.utexas.edu) please email them directly. If you wish to meet with a faculty advisor, email the Math, Physics, and Astronomy advising office at mpaadv@austin.utexas.edu to schedule an advising appointment.

Learn more about how to register for classes [here](#).

Course Schedules

Mathematics Courses & Prerequisites

Highlighted Mathematics Courses Offered Fall 2026

M 175T Being You in Mathematics W 1:00 p.m.-2:00 p.m. (59315) Prof. Austin. The goals of our course Being You in Mathematics include building community among math majors, sharing advice on thriving in mathematics at UT Austin, and learning about career options for mathematics majors.

M 375T Intro to Quantum Info Science: Honors TTH 2:00 p.m.-3:30 p.m. (Unique to be added) Prof. Kretschmer. This is an undergraduate-level introduction to the theory of quantum computing and information. We’ll cover the rules of quantum mechanics (qubits, unitary transformations, density matrices, measurements); quantum gates and circuits; entanglement; the Bell inequality; protocols for teleportation, quantum key distribution, and other tasks; basic quantum algorithms such as Shor’s and Grover’s; basic quantum complexity theory; basic quantum error correction; decoherence and the measurement problem; and the challenges of building scalable quantum computers.

M 375T Introductory Game Theory WF 2 – 3:30 pm (59325) & 3:30 – 5:00 pm (59330) Prof. Skreta. (Same as: ECO 354K, CS 378) Introduction to the formal study of interdependent decision making. Applications of game theory include pricing and advertising strategies, labor-management bargaining, and tariff negotiations.

M 375T Math for Machine Learning TTH 3:30PM – 5PM (59335) Prof. Delgadino. This course introduces the mathematical foundations necessary for understanding and applying machine learning techniques. Emphasis is placed on optimization, linear algebra, and probability. Weekly Python homework assignments and three midterms are included. Prerequisites: Basic knowledge of linear algebra, calculus, and probability.

MATHEMATICS, PHYSICS, & ASTRONOMY ADVISING WEBSITE

You will find valuable information about the following registration matters on the [Mathematics, Physics, & Astronomy Advising website: Registration Tips](#); Requesting to take M 371E, summer over hours, registering for over 14 hours in the summer or over 17 hours in the fall, Mathematics Conference Courses, Honors Tutorial Courses, Graduate Mathematics Courses, and more. Be sure to also check out the [Waitlist 101](#) information.

UPPER DIVISION MATHEMATICS COURSE PREREQUISITES TO BE ENFORCED

Note that the Mathematics Department may at any time choose to enforce prerequisites on any course as they are published in the [catalog](#). You can find on the [Mathematics, Physics, & Astronomy Advising website](#) mathematics courses for which prerequisites will be strictly enforced. See the decision trees at the end of this newsletter to inform you about our proof based mathematics course progression.

MATHEMATICS MAJOR DEGREE OPTIONS

You will find the degree checklists for each of the mathematics major degree options [here](#). In particular, I want to highlight in this newsletter the variety of pathways to earning the BS Mathematics degree. All students pursuing the Bachelor of Science in Mathematics (Option VII: Mathematics) degree must complete a lower-division calculus sequence, a minimum of 33 hours of upper-division coursework in mathematics, an introductory computer programming course, and a Math in Context course.

Q: How do I satisfy the Math in Context degree requirement?

A: Dr. Austin is willing to consider *any course in any college* on campus that is an upper division course and uses mathematics above calculus. Have you found an interesting course? Meet with Dr. Austin, share the syllabus, and she will decide if the course will satisfy your Math in Context degree requirement. The courses listed on the degree plan under the Math in Context degree requirement automatically count, but you may need the Math, Physics, and Astronomy Advising Staff to secure a seat in the non-mathematics courses for you. These automatic Math in Context courses include M 374M; PHY 329, 336K, 352K; CS 341, 342, 345, 346, 353, 367; CH 353, 354; and EE 411, 325, 360C, 362K.

FALL 2026 MATHEMATICS COURSES OFFERED WITH CORE REQUIREMENT COMMUNICATION

[M 379H Honors Tutorial Course](#) (59360)

FALL 2026 MATHEMATICS COURSES OFFERED IN INQUIRY BASED LEARNING FORMAT

M 325K Discrete Mathematics MWF 8:00 a.m.-9:00 a.m. (58934) Prof. Martines
M 328K Introduction to Number Theory MWF 12:00PM – 1:00PM (59020) Prof. Miner
M 328K Introduction to Number Theory MWF 10:00AM – 11:00AM (59025) Prof. Miner
M 333L Structure of Modern Geometry MWF 10AM – 11AM (59065) Prof. Osborn
M 333L Structure of Modern Geometry MWF 11AM – 12noon (59070) Prof. Osborn
M 339U Actuarial Contingent Payments I TTH 2PM – 3:30PM (59090) Prof. Harper
M 362K Probability I TTH 8AM – 9:30AM (59240) Prof. Maxwell
M 367K Topology I TTH 9:30AM – 11AM (59265) Prof. Danciger
M 378K Introduction to Mathematical Statistics TTH 9:30AM – 11AM (59350) Prof. Maxwell

NETWORKING

There are various organizations with which you might like to connect while you are a math major here at UT.

- There is a general [Mathematics](#) open Facebook group within UT Austin.
- The [UT Math Club](#) is an active group of undergraduate math majors who meet to discuss and share their wisdom as they navigate through being a UT math major, apply for and participate in summer research opportunities, and head towards graduate school.
- We have recently created a [UT Mathematics LinkedIn](#) group, which we encourage all of you to join!
- [The UT chapter of the Association for Women in Mathematics \(AWM\)](#)'s purpose is to encourage women and girls to study and to have active careers in the mathematical sciences, and to promote equal opportunity and the equal treatment of women and girls in the mathematical sciences.

- The [UT Actuarial Science Club \(ASC\)](#) is open to students of all majors and academic backgrounds who have an interest in furthering their academic and professional careers. Whether you've never heard of an actuary before or you're already on your way to your ASA, the Actuarial Science Club has something for you!
- [UT Mathematics and Science Teachers of Tomorrow \(MASTT\)](#) is a student-led organization whose activities help to promote the success of UTeach pre-service teachers in STEM fields (science, technology, engineering, and mathematics) at the University of Texas at Austin.
- The [UT chapter of the Society of Industrial & Applied Mathematics \(SIAM\)](#) promotes interaction between members of the applied mathematics community at UT Austin, across departments, institutes, and professional marks.
- [Gamma Iota Sigma](#) is a recently established Risk Management, Insurance, and Actuarial Science fraternity

Be sure to check out the [list of resources](#) (under Student Opps) that Dr. Austin has compiled for math majors.

JOB PREPARATION

Take full advantage of [CNS Career Services](#) while you are a student. This is a great resource for our students! Seek out project-based courses and internships while you are an undergraduate. Be sure to highlight these in your personal statement when applying for jobs.

You can be a mathematics major or a mathematics actuarial science major AND become certified to teach middle school and high school mathematics all in four years. If you are interested, please see the [UTeach Program in Natural Sciences](#) or email [Pam Elias](#). If you have ever thought about becoming a certified teacher in the state of Texas, you owe it to yourself to try it out with a program that is nationally recognized for its success at training highly qualified math, science, computer science, and engineering teachers.

The [BIG Math Network](#) brings together the mathematical sciences community, including pure and applied mathematics, statistics, operations research, and data science, to build job opportunities for mathematical scientists, communicate the value of mathematical science in the workplace, and facilitate connections between students, faculty, recruiters, and managers. This program strives to increase students' knowledge about internships and how to prepare for them, provide viable models for internship logistics, and create regional networks.

MATHEMATICS CAREER PANEL

Dr. Austin will host her annual **Mathematics Career Panel** on Wednesday, December 2, 2026, from 1-2 pm. Former Longhorn Mathematics majors will return to campus to share their experiences. More details will be shared via email this fall.

MENTORING PROGRAM

The [Directed Reading Program](#) (DRP) pairs undergraduate students with graduate students or faculty mentors to undertake independent projects in mathematics. Any undergraduate student may apply for DRP and, if accepted, will be assigned an appropriate graduate mentor. The student and the mentor will agree on a project. It can be based on reading through a book or an article, but the project is not limited to such things.

The [Austin Chapter of the Society for Industrial and Applied Mathematics \(SIAM\)](#) works to broaden and strengthen the applied mathematics family at the University of Texas at Austin and promote the exchange of ideas and information. They welcome new members from the entire UT community as they re-establish this chapter in 2026.

UTEACH NATURAL SCIENCES

Have a passion for STEM and want to inspire the next generation of learners while gaining skills that can be translated to any career? Learn how you can add a teaching certification to your degree by trying out teaching with UTeach Natural Sciences! By registering for our one-credit-hour introductory course, Step 1 (UTS 101), you can easily learn if teaching is for you in a low-pressure environment as you teach elementary students engaging math and science lessons!

Get to know us better by visiting our [website](#), where we have a team of [Student Ambassadors](#) dedicated to answering questions about the program, along with our [scholarships](#) and [internships](#).

If you want more details about how UTeach can fit into your degree plans, [RSVP](#) to one of the UTeach information sessions and talk directly with UTeach students and staff. Information sessions will be held Monday-Thursday from November 4 to November 14, with in-person and virtual options available.

More ways to connect:

- [Schedule](#) an advising appointment (it is not required to meet with an advisor to register for UTS 101)
- Follow us on [Instagram](#) and like us on [Facebook](#)
- Send us a note at ambassador@uteach.utexas.edu

OUTREACH OPPORTUNITIES

With registration for next semester coming soon, we want to take a moment to share about the UTeach - Natural Sciences Program. UTeach - Natural Sciences is a widely recognized teacher preparation program that offers extensive in-the-classroom teaching experience, interdisciplinary skills, and current pedagogical strategies and practices taught to you by extremely successful and knowledgeable master teachers. By the end of the UTeach program, you will be fully certified to teach STEM at the middle or high school level in the state of Texas. This program can fulfill the certification requirement for students on a BSA degree plan. UTeach provides flexible entry points no matter how far along you are in your degree plan. The UTeach program is open to any student in any college, and students do not have to change their major to join! Sign up for the first course in the program, UTS 101, when you register! We look forward to having you join our program! For more information, attend an information session; find details at <https://uteach.utexas.edu/>.

While you're planning your courses for next semester, we invite you to sign up for the [UTeach Outreach](#) class! UTeach Outreach: CH 207K or CH 371K allows you to teach hands-on science lessons with a partner at local elementary and middle schools while receiving course credit at UT! This unique course is planned around your schedule and provides opportunities to boost your resume with leadership roles in your area of interest and improve your communication and presentation skills while helping the community. You can receive two (CH 207K) or three (CH 371K) graded credit hours of science or elective credit, depending on your major and prerequisites. Check with your advisor for the type of credit you could receive. See course registration details and more information at <https://outreach.uteach.utexas.edu/undergraduates>.

Each fall, Dr. Austin organizes a *Math Fun Day* for elementary-age children and a Sonia Kovalevsky Day for middle and high school students. This year SK Day & Math Fun Day will be on Sunday, November 1, 2026. Each spring, Dr. Austin organizes the mathematics department activities for [STEM Girl Day at UT](#). Reach out to Dr. Austin if you are interested in these outreach opportunities.

RESOURCES

Email the [Math, Physics, and Astronomy advising](#) office at mpaadv@austin.utexas.edu if you would like a list of math tutors available for hire. If you are enrolled in calculus, be sure to utilize the [Calculus Lab](#). For many mathematics courses, the [Sanger Learning Center](#) is a valuable resource. Moreover, did you know that the UT Counseling and Mental Health Center offers a wide variety of free workshops and events intended to provide valuable life skills? Check them out [here](#).

Finances may already be a concern when you are a college student. These UT partners are here for you: [Texas Global at The University of Texas at Austin](#), for International Students and Scholar Services, [Office of the Dean of Students at UT Austin](#), for UT Outpost Food Delivery, and for Student Emergency Services, [Financial and Administrative Services, UT Austin](#), and UT Austin Voices Against Violence for the Survivors Emergency Fund.

The Office of the [University Ombuds for Students](#) is here to listen to your concerns in a safe setting about life at the university and confidentially discuss interpersonal difficulties, university policies, university bureaucracy, and conflict resolution techniques.

If you have a mental health concern, CARE Counselors in the [CNS Wellness Center](#) can help. Receive short-term counseling and mental health consultation, plus assistance in connecting to other resources on and off campus. They are also here to guide you around how to manage stress, overcome test anxiety and more. Call Abby Pelosi at (512)232-9247 or Katie Griffin at (512)232-3685 and leave a message.

Delve into the resources from [CNS Career Services](#). Follow the [Chamber of Commerce Austin job opportunities](#) website. Check out the Handshake blog on [Getting Hired Remotely](#). Enhance your skills through [LinkedIn Learning](#) offered through UT.

GRADUATE SCHOOL PREPARATION

Juniors, spend the summer compiling the list of schools to which you will apply this fall. In the fall, have fellow students, CNS Career Services, and/or Dr. Austin proofread your statement of purpose. By November, be prepared to request letters of recommendation from at least three faculty members (at least two of whom will probably be mathematics faculty). When you request letters of recommendation, provide your letter writers with your resume, statement of purpose, and a spreadsheet or chart listing all schools to which you are applying. (In this spreadsheet or chart, include the name of the school, the particular program to which you are applying, due dates, and the method of letter submission.)

Sophomores and Freshmen, check in with Dr. Austin once a semester or at least once a year to see that you are taking the best mathematics courses to prepare you for graduate school. Participate in our Directed Reading Program, UT Math Club, and UT AWM. Make meaningful connections with your mathematics faculty, as you will need at least three to write letters of recommendation for you during the fall of your senior year. To write strong letters on your behalf, they need to know you, how you work with others, how you work independently, and your overall potential. Be an active participant in your mathematics courses, attend office hours, ask your professors about their research, and get to know your professors.

Are you looking for a program to bridge your undergraduate work with graduate work? Post-baccalaureate programs aim to prepare students to be successful in graduate studies in mathematics and to experience graduate school. Here is a list of post-baccalaureate programs around the US: <https://mathalliance.org/our-partners/post-baccalaureate-programs/>

Find more graduate school resources listed under Preparing for Graduate School [here](#).

Do you wish to enroll in graduate mathematics courses while you are an undergraduate student?

First, the mathematics graduate faculty advisor and second, the course instructor determine whether an undergraduate may enroll in a graduate mathematics course. The mathematics graduate faculty advisor requires that undergraduate students wishing to enroll in graduate mathematics courses have a demonstrated track record in advanced undergraduate courses. It is expected that you will have earned As in at least two of M 365C/D Real Analysis I-II, M 373K/L Algebraic Structures I-II, M 367K/L Topology I-II, M 362M Introduction to Stochastic Processes, or M 372K PDE & Applications.

The Math Department has an online process to request enrollment in a graduate math course. The online process may be found [here](#). Please submit only one form per course. If you would like to take a graduate course in a department other than Math, please follow the directions located [here](#).

REQUESTING LETTERS OF RECOMMENDATION

What to do well before requesting letters of recommendation

Change can be challenging for anyone, and the transition in moving beyond an undergraduate career can be arduous for many. You can make this time easier by being proactive and planning ahead to ensure your success. In the semesters before you are at the point of requesting letters of recommendation, there are a number of actionable steps you should be practicing.

First, make meaningful connections with your mathematics faculty, as you will need at least three faculty members in your field of study to write letters of recommendation for you during your senior year. To write strong letters on your behalf, they need to know you, how you work with others, how you work independently, and your overall potential. Be an active participant in your mathematics courses, attend office hours, ask your professors about their research, get to know your professors, and allow them to get to know you. Second, you must check in with your academic advisor and/or faculty advisor at least once a semester to see that you are taking the best mathematics courses to prepare you for your desired career or graduate school program. Third, network, network, network. Participate in your school's math club, actuarial science club, or future mathematics teachers club. Finally, I would add that volunteering for outreach opportunities is a great way to connect with the larger community, serve as a math ambassador, bring mathematics alive, and enhance your own communication skills. (Continue reading Dr. Austin's advice [here](#).)



Are you prepared for our
intermediate or advanced proof
writing mathematics courses?
Check out the [prerequisites](#) here
and our [decision tree resource](#).

*“To do things that are as complicated
and challenging as spaceflight, you have
to have all disciplines represented to get
the job done.”*

– [Christina Koch](#), NASA Astronaut,
[Artemis II](#) Mission Specialist

Jennifer Austin, Ph.D., ACUE

jmann@math.utexas.edu

Professor of Instruction

Undergraduate Mathematics Faculty Advisor

The University of Texas at Austin

Department of Mathematics

RLM 8.112

<http://www.ma.utexas.edu/users/jmann/>