



Spring 2018

## APRIL 11-13, 16-20

Academic advising for continuing and readmitted students for the summer session and the fall semester.

## APRIL 16-27

Daily Registration for the summer session and the fall semester for continuing and readmitted students.

## MAY 4

Last class day.

## MAY 6

MathHappens at the Bullock.

## MAY 9-12, 14-15

Spring semester final examinations.

## UPCOMING SUMMER & FALL REGISTRATION

Visit Dr. Jennifer Austin, Susan Brown, and Ronda Hall prior to the crunch-time of registration advising (April 11-13, 16-20) for one-on-one time with your advisor! Stop by the Math, Physics, and Astronomy advising office in RLM 4.101 to schedule an advising appointment.

### Course Schedules

<https://registrar.utexas.edu/schedules>

### Mathematics Courses & Prerequisites

<http://catalog.utexas.edu/undergraduate/natural-sciences/courses/mathematics/>

### Rare Mathematics Courses Offered Fall 2018

**M375T** Decision Analytics (Prerequisite: M362K with a grade of at least C-)

### Rare Mathematics Courses Offered Spring 2019

**M375T** Dr. Dan Freed's Analysis of Manifolds (Prerequisite: M365C with a grade of at least C-)

**M367L** Dr. Cameron Gordon's Knot Theory (Prerequisite: M367K with a grade of at least C-)

**M375T** Predictive Analytics (new actuarial course)

**M325K** Dr. Mark Daniels' Symmetry - FRI (Prerequisite: M408C, M408N, M408R, or equivalent with a grade of at least C-. Interested students must register for this course on the FRI website <https://cns.utexas.edu/fri>).

**M365D** Real Analysis II (Prerequisite: M365C with a grade of at least C-)

**M373L** Algebraic Structures II (Prerequisite: M373K with a grade of at least C-)

### Q: Do mathematics conference courses count towards my math degree?

A: Mathematics conference courses that are pre-approved by Dr. Austin will count towards your math degree.

### 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, bring the syllabus, and she will decide if the course can 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 Dr. Austin to secure the seat in the non-mathematics courses for you.

## 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.

[The UT chapter of Association for Women in Mathematics \(AWM\)](#)

[UT Actuarial Science Club \(ASC\)](#)

[UT Mathematics and Science Teachers of Tomorrow \(MASTT\)](#)

[UT chapter of the Society of Industrial & Applied Mathematics \(SIAM\)](#)

[Gamma Iota Sigma](#) is a new Risk Management, Insurance, and Actuarial Science fraternity.

Be sure to check out the [list of resources](#) that Dr. Austin has compiled for math majors at <http://www.ma.utexas.edu/users/jmann/MathMajorInfo.html>.

## 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 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 at: <https://uteach.utexas.edu> or contact Dr. Daniels at: [mdaniels@math.utexas.edu](mailto:mdaniels@math.utexas.edu).

## DIRECTED READING PROGRAM

The [Directed Reading Program](#) (DRP) pairs undergraduate students with graduate student 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.

## OUTREACH OPPORTUNITIES

Dr. Jennifer Mann Austin is working with Lauren Siegel of the local non-profit [MathHappens](#) to plan a math-focused HEB Free First Sunday at the Bullock Texas State History Museum. We invite you to help us staff [MathHappens at Bullock](#). MathHappens will pay you \$15/hr. We will train you to help staff the event. If we ask you to meet prior to May 6, then MathHappens will also pay you \$15/hr for planning and training time. Email Dr. Austin at [jmann@math.utexas.edu](mailto:jmann@math.utexas.edu) if you can commit to this outreach project. This is a great opportunity to connect with our larger community, share your knowledge, serve as a math expert, bring mathematics alive, and enhance your communication skills.

While you're planning your courses for Fall 2018, we invite you to sign up for the UTeach Outreach class! UTeach Outreach allows students to teach hands-on science lessons with a partner at local elementary schools while receiving course credit at UT! Students can receive two (CH207K) or three (CH371K) graded credit hours of science or elective credit, depending on your major and prerequisites. Ask your advisor for credit you could receive. We invite you to be a part of this unique course that is planned around your schedule, provides a network with other UT students in a small classroom setting and opportunities to boost your resume with leadership roles in your area of interest. Check out this [video](#) or email us at [uteach.outreach@austin.utexas.edu](mailto:uteach.outreach@austin.utexas.edu) for more information.



Matthew Brand, *Light Grooves*, 2012

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## 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 which 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 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.

Find more graduate school resources [here](#).

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*“I don't have any particular recipe . . . Doing research is challenging as well as attractive. It is like being lost in a jungle and trying to use all the knowledge that you can gather to come up with some new tricks, and with some luck you might find a way out.”*

*– Maryam Mirzakhani*

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