STEM Summer Camp
June 18 - June 22, 2018

- Eligible students are invited to this optional and free camp at UMD
- Round trip transportation from Twin Cities to UMD provided
- Get started in your online math class with help from your instructor
- Mini chemistry prep course and other fun STEM activities and labs
- Participate in team building activities on and off campus
- Meet UMD faculty, staff, and student mentors
- Explore STEM careers and majors
- Have a seamless transition to college life!

Important Dates

- May 29: Priority Registration Application Deadline (apps still accepted if program does not fill)
- May 30 - Aug 21: Online math program at own pace available (also 2 study/testing sessions in Twin Cities area)
- June 18 - 22: STEM Summer Camp at UMD
- Aug 22: Last day to take written final exam to test into next math class

Online Summer Math Review Courses

- Jump start your STEM career by taking one of our free online summer math courses (Basic Math & Intro to Algebra, College Algebra, or Precalculus Analysis).
- For example, if you are to be placed in Precalculus Analysis in the fall, then you can instead take Precalculus Analysis online in the summer and start with Calculus I in the fall.
- The courses are self-paced and use a series of online modules, written practice exams, and online tutoring.
- When you are ready or it is the end of the summer, you take a written test. If you achieve 70% or greater on the test, you've tested out of the course and are ready for the next one!
- More than one math class can be completed over the summer (up to Calculus I), saving you even more time and money!
- Expect to dedicate 50 - 150 hours per course.

Applying for the Online Summer Math Review Courses:

- Visit https://z.umn.edu/summermathprep to apply by May 29th
- Late applications may be accepted if space is available

Eligibility

- Incoming UMD Freshman pursuing a STEM degree (or Calculus I required)
- Math ACT score is less than 27
- Placed in Precalculus Analysis, College Algebra or Basic Math and Intro Algebra for Fall 2018 *
- And at least one of the following:
  - Qualify for a Pell Grant
  - American Indian, African American, Asian/Pacific Islander, Latino/Chicano or Native Hawaiian
  - Woman interested in engineering, computer science or physics
  - Non-traditional student
  - Veteran
  - English as a Second Language, ESL
  - First Generation College Student

*For math placement information go to z.umn.edu/mathplacement
Overview

Math Prep for STEM Careers is a free summer bridge program for incoming UMD freshmen from underrepresented groups in STEM. The program consists of two parts: an online summer math course (Basic Math & Intro to Algebra, College Algebra, or Precalculus Analysis) and an optional five-day summer camp at UMD. Applicants are strongly encouraged to participate in both an online math course and the summer camp.

The online math courses are self-paced over the summer. The purpose is to prepare for college-level math courses and to “study-then-test-out” of prerequisite courses to Math 1296 (Calculus I). Students work through at least one online math course for which they are placed by their math ACT score (or other college math credit). The courses are taught by Rachel Breckenridge, program director and UMD math instructor. Breckenridge is a former high school math teacher and she routinely teaches Calculus I, II, and III during the regular academic year. She has designed the summer courses specifically to prepare students for taking calculus at UMD.

The summer camp is a preview to life as a STEM major and provides an opportunity to make new friends, work with student mentors (who are current UMD upperclassmen), and UMD faculty & staff before fall semester begins. In addition to getting started on the online math class, students will participate in STEM labs/activities, explore STEM careers, meet with an academic adviser, learn about personal finance & meet with a financial adviser, visit Duluth’s most scenic parks, and participate in an excursion aboard the Blue Heron Research Vessel on Lake Superior.

Additional Resources

Program Website: https://z.umn.edu/summermathprep


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Summer 2018 Program

For incoming UMD freshmen majoring in Science, Technology, Engineering, or Mathematics (STEM) fields and from underrepresented groups.