

First-Year and Transfer Students

Mathematics Department UC Santa Cruz

<http://www.math.ucsc.edu>

Welcome to Mathematics at UCSC! We look forward to meeting you, at Orientation or when you arrive on campus. Check the *Schedule of Classes* for the orientation schedule at the beginning of each quarter.

It is important to seek academic advice early. A departmental adviser is available to answer your questions at Orientation and throughout the year. If you cannot attend Orientation, contact the Mathematics Undergraduate Program Advisor at the phone number and email address below:

Name: Andrea Gilovich
Email: gilovich@ucsc.edu
Phone: (831) 459-4691
Fax: (831) 459-3260

The Undergraduate Adviser can give you information about: major requirements, referrals to appropriate faculty or other campus resources, getting started in Mathematics, and scheduling your Mathematics courses. Furthermore, The faculty Undergraduate Vice Chair, Martin Weissman, weissman@ucsc.edu, can explain options and opportunities in Mathematics and the significance of taking specific courses or tracks of study.

Every course in the Mathematics Department, no matter how elementary, has a prerequisite. You must meet the prerequisite for your first UCSC Mathematics course with a previous college Mathematics course, an AP Calculus exam score, an IB Mathematics Higher Level exam score, or your score on the UCSC Mathematics Placement Exam. These placement methods are described in later paragraphs.

The *pre-major* courses for the Mathematics major are: Calculus (Math 19A-B or Math 20A-B), Multivariable Calculus (Math 23A-B), and Linear Algebra (Math 21). If you are studying Mathematics Education, you also need to take Statistics (AMS 5). Satisfy these pre-major requirements as early as possible. Once you finish them, you can begin the major requirements, which include a comprehensive requirement (Senior Seminar or Senior Thesis).

Bring the following items with you to Orientation (even if you have sent them to UCSC):

- Unofficial transcripts or grade reports for college mathematics courses (high school courses do not satisfy UCSC Mathematics prerequisites)
- Advanced Placement or International Baccalaureate exam scores

The Mathematics Department must verify your transfer course credits and AP or IB scores before you can use them to satisfy prerequisites. (The transfer course information and exam scores you send to UCSC Admissions are sometimes not forwarded to the Mathematics Department.) Our web site lists UCSC-equivalent Math courses for most California community colleges at <http://www.math.ucsc.edu> → **Undergraduate Program** → **Articulation Agreements**. If your previous courses are not listed on

that web site, submit a substitution request

<http://www.math.ucsc.edu/undergraduate/transfer.html#sub>) with catalog course descriptions; detailed course syllabi; title, author and edition of each text used; and/or final exams.

If you haven't taken college-level Mathematics (Calculus, Precalculus, or College Algebra) since taking the AP or IB exam, your exam score places you into one of the pre-major courses:

If your AP AB exam score is:	Enroll in this class:	If your AP BC exam score is:	Enroll in this class:
3	Math 19A	3	Math 19B or 20A
4 or 5	Math 19B or 20A	4 or 5	Math 20A or 23A

If your IB HL exam score is:	Enroll in this class:
5, 6, or 7	Math 20A or 23A

Do not enroll in Math 11A, 11B, or 22 without consulting your major department. Many majors, including Mathematics, Physics, Engineering, and others do not accept Math 11A-B or Math 22.

If you have not satisfied any of our course prerequisites with an exam score or a college class, you need to take the UCSC Mathematics Placement Exam. Take the placement exam as early as possible: You may find information about dates and locations at the following web address:

<http://www.math.ucsc.edu> → **Placement Exam**. This exam determines your level of preparation; it is therefore highly recommended you take the practice test to familiarize yourself with the expectations prior to the exam. The practice test can also be found at the web address listed above. Please note the Mathematics Placement Exam does not count for course credit.

You will get much more out of your University experience if you take the time now to read the materials we provide and become familiar with the Mathematics Department web pages. Our web site (<http://www.math.ucsc.edu>) offers the most up-to-date information on Mathematics major requirements, course descriptions, articulation agreements, and schedules.