

WHAT CLASSES DO I TAKE IN FALL?

ALL CLASSES BEING USED FOR MAJOR REQUIREMENTS **MUST** BE TAKEN FOR LETTER GRADES.

First Class - Math Course

Three methods can be used to determine your first math class:

First Method of Math Placement: UCSC Math Department ALEKS Assessment

ALEKS assessment score	MP Tier	Enroll In
Below 60	100	MATH 2 *
60-69	200	MATH 3 *
70-74	300	MATH 3 * (do <u>NOT</u> enroll in Math 11A, AMS/Econ 11A)
75-84	400	MATH 19A (do <u>NOT</u> enroll in Math 11A, AMS/Econ 11A)
85-100	500	MATH 19A or 20A

*Use your ALEKS Learning Module and reassess before choosing your course.
After 5–10 hours study, some students may advance to calculus eligibility.

For more information about Math Placement and ALEKS please go to:

<https://mathcoach.sites.ucsc.edu/success/math-placement-tiers/>

OR

Second Method of Math Placement: AP Credit

Test	Score	Course to enroll in
Calculus AB (or AB subscore on BC Exam)	3	MATH 19A
	4 or 5	MATH 19B
Calculus BC	3	MATH 19B
	4 or 5	Depending on concentration if receiving credit for Math 19A & 19B enroll in: Bioelectronics or Assistive Motor: AMS 10 Biomolecular concentration: enroll in additional major course or GE Bioinformatics concentration: enroll in additional major course or GE

OR

Third Method of Math Placement: College Credit

Information about course equivalency for most courses from California Community Colleges:

<http://www.assist.org/>

Show or turn in a transcript to BSOE Advising at orientation, or email unofficial transcript or grade report to advising@soe.ucsc.edu.

Second Class – Major Course or Writing Course

If you have not yet satisfied ELWR, and have earned an AWPE score of 2E-5E, you are required to enroll in Writing 25 or 26** in your first quarter.

Otherwise, please see the back for major course recommendations.

Third Class - COLLEGE 1: Your College Core Course**

** Please contact your **college advisor** if you have any questions regarding your writing placement, college core course, or general education requirements.

Major Course Recommendations

How to determine which major course to take

Major Concentration	Placement in MATH 2, 3 or 19A	Placement in MATH 19B or above
Bioelectronics	Take CMPE 12/L (programming exp. recommended), or CHEM 1A or BME 80G	PHYS 5A/L
Assistive Technology: Motor	Take CMPE 12/L (prog. exp. recommended), or CMPE 80A, or CMPE 8, or BME 80G	Take PHYS 5A/L
Biomolecular	Take CHEM 1A, but if unable to take BME 80G or BME 18	Take CHEM. If unable, then take Phys 5A/L or BME 80G or BME 18
Bioinformatics	Take CHEM 1A, but if unable to take CMPS 12A/L, or take BME 80G or BME 18	Take CHEM. If unable, then take CMPS 12A/L, or CMPE 16, or BME 80G or BME 18

Things to keep in mind

- The suggested course recommendations for the Bioengineering & Biomolecular Engineering and Bioinformatics majors depend heavily on the major concentration you are pursuing
- MATH 19A is a pre-req to PHYS 5A and 5L, so unless you place in to MATH 19B or higher you cannot take PHYS your first quarter
- Students enrolling in CHEM 1A must be placed or enrolled in MATH 3. Prior to enrolling in any Chemistry course, it is strongly recommended to take the Chemistry self-assessment exam. Students who start in CHEM 1B are still required to take CHEM 1A. A score of 5 on the AP Chemistry exam gives course credit for CHEM 1A.
- If programming is a recommended course for you to take programming experience is strongly recommended prior to enrolling in CMPE 12/L and CMPS 12A/L.
- CMPS 12A/L has a course prerequisite of eligibility to enroll in MATH 19A or higher, regardless of programming background.
- If Discrete Math is a recommended course for you to take your first quarter, please note that some programming experience is recommended.

Class full before you were able to enroll?

- Enroll in a backup class during your first enrollment appointment.
- Wait lists for Fall classes will be available **August 13th**.
Check your Enrollment Appointments in myUCSC for your wait list appointment time.
- For information about wait lists on classes with labs – like CMPS 12A/L and CMPS 12B/M - see: <https://undergrad.soe.ucsc.edu/wait-list-info>

Baskin School of Engineering First Year Frosh Guide:

<https://undergrad.soe.ucsc.edu/first-years>