WHAT CLASSES DO I TAKE IN FALL?
ALL CLASSES BEING USED FOR MAJOR REQUIREMENTS **MUST** BE TAKEN FOR LETTER GRADES.

**First Class - Math Course**
How to determine your first math class.

**Things to keep in mind**
- Only MATH 19A, 19B and 23A are acceptable calculus requirements for these majors.
- 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/

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

Second Class – Programming, Physics 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, see the back for programming or physics course placement.

Third Class - Your College Core Course*
* Contact your **college advisor** if you have any questions regarding your writing placement, college core course, or general education requirements.
Frosh Course Recommendations for Computer and Robotics Engineering Majors

**Programming & Physics Course Options**

How to determine your programming and physics course options.

**Things to keep in mind**
- CMPS 5J, 11, OR 12A are not acceptable major requirements. If you have no programming experience our first preference is to take CMPE 8, second preference is CMPS 5J.
- PHYS 6 series are not acceptable major requirements.
- 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.

**First: Programming Experience and Math Placement**

<table>
<thead>
<tr>
<th>Programming Experience Level</th>
<th>Placement in MATH 2, 3 or 19A</th>
<th>Placement in MATH 19B or above</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Programming Experience</td>
<td>CMPE 8 or CMPS 5J</td>
<td>CMPE 8 or CMPS 5J</td>
</tr>
<tr>
<td>Some Programming Experience</td>
<td>CMPE 12/L</td>
<td>PHYS 5A/L</td>
</tr>
</tbody>
</table>

**Second: College Credit**

Information about course equivalency for most courses from California Community Colleges: [http://www.assist.org/](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.

**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 CMPE 12/L and PHYS 5A/L - see: [https://undergrad.soe.ucsc.edu/wait-list-info](https://undergrad.soe.ucsc.edu/wait-list-info)

**Baskin School of Engineering First Year Frosh Guide:**
[https://undergrad.soe.ucsc.edu/first-years](https://undergrad.soe.ucsc.edu/first-years)