Why Engineering at UC Santa Barbara?

The UCSB Engineering faculty are writing textbooks and making discoveries that change the way engineering is being practiced and taught around the world.

- Faculty to student ratio of about 1 to 10
- Curriculum is both theoretical and practical
- Research opportunities and industrial interactions
- College Honors Program
- Student chapters of national professional organizations
- Career development and personal enrichment
- Technology Management Program

Prospective Transfer Eligibility and Preparation for College of Engineering majors

A. Complete 60 semester or 90 quarter units of transferable college credit with a GPA of at least a 2.4 CA residents, 2.8 non-residents.
B. Complete the following seven-course pattern requirement, earning a grade of C or better in each:
    a. Two courses in English composition
    b. One course in mathematics
    c. Four courses from among at least TWO of the following areas:
        i. Arts and Humanities
        ii. Behavioral and Social Sciences
        iii. Biological and Physical Sciences

For most recent admissions information, please see: ***www.admissions.ucsb.edu***

Students attending California Community Colleges should refer to ***www.assist.org*** for appropriate articulations, suggested course patterns and transfer admission guarantees.

Chemical Engineering 2011-12	
Course at UCSB	*Course at SBCC*
Math 3A	Math 150
Math 3B	Math 160
Math 3C	Math 210 + 220
Math 5A	Math 210 + 220
Math 5B	Math 200
Math 5C	Math 200
ChE 1A* & ChE 10*	No courses articulated
Chem 1A, 1AL	Chem 155
Chem 1B, 1BL	Chem 155 + 156
Chem 1C, 1CL	Chem 156
Physics 1	Physics 121
Physics 2	Physics 121 + 122 + 123
Physics 3, 3L	Physics 122
Physics 4, 4L	Physics 122 + 123
Engr 3	CS 133
Chem 6AL + 6BL	Chem 221 + 222
Chem 109A	Chem 211
Chem 109B	Chem 211 + 212
Chem 109C	Chem 212

Students will increase their preparation for transfer admissions by completing most or all the courses with a WHITE background. Courses with the GREY background are highly recommended and will increase the selectivity of the applicant. Courses with an asterisk need to be taken at UCSB because SBCC does not offer equivalent courses.

Admission into Chemical Engineering at UCSB is VERY competitive. Earning the highest possible grades in required and strongly recommended courses in math, physics and chemistry is essential to admissions.

Computer Engineering 2011-12	
Course at UCSB	*Course at SBCC*
Math 3A	Math 150
Math 3B	Math 160
Math 3C	Math 210 + 220
Math 5A	Math 210 + 220
Chem 1A, 1AL	Chem 155
Chem 1B, 1BL	Chem 155 + 156
Physics 1	Physics 121
Physics 2	Physics 121 + 122 + 123
Physics 3, 3L	Physics 122
Physics 4, 4L	Physics 122 + 123
Cmpsc 16	CS 130 + CS 135 + CS 137
Cmpsc 24 & Cmpsc 32	CS 140 + CS 145J
Cmpsc 40	CS 143
ECE 2A	Engr 117 + 117L
ECE 2B, ECE 2C*	No course articulated
ECE 15A*	No course articulated

Students will increase their preparation for transfer admissions by completing most or all the courses with a WHITE background in table above with a 3.5 GPA or greater. Courses with the GREY background are highly recommended and will increase the selectivity of the applicant. Courses with an asterisk need to be taken at UCSB because SBCC does not offer equivalent courses.

Questions about the preparation for Engineering or Computer Science majors should be addressed to:
admissions@engineering.ucsb.edu

Pre-Computer Science 2011-12	
Course at UCSB	*Course at SBCC*
Math 3A	Math 150
Math 3B	Math 160
Math 3C	Math 210 + 220
Math 5A	Math 210 + 220
Math 5B	Math 200
Physics 1	Physics 121
Physics 2	Physics 121 + 122 + 123
Physics 3, 3L	Physics 122 (see *NOTE*)
Cmpsc 16	CS 130 + CS 135 + CS 137
Cmpsc 24 & Cmpsc 32	CS 140 + CS 145J
Cmpsc 40	CS 143
Cmpsc 48	CS 180
Cmpsc 56	CS 120 + one of CS 122, CS 123, or CS 129
Science elective**	(see *NOTE*)
Science elective**	(see *NOTE*)

**Approved Science electives: Biol 101, Biol 102, Biol 103, Chem 155, Chem 156, Earth 111 with 111L, Earth 151 with 151L.

NOTE: Students who complete Physics 121, 122, 123 have also simultaneously completed the required Science Elective units.

Students will increase their preparation for transfer admissions by completing most or all the courses with a WHITE background in table above with a 3.5 GPA or greater. Courses with the GREY background are highly recommended and will add to the selectivity of the applicant. Courses with an asterisk need to be taken at UCSB because SBCC does not offer equivalent courses.

Courses in the pre-major not fulfilled by transfer work must be completed at UCSB with a GPA of 2.75 ~ no exceptions.

Electrical Engineering 2011-12	
Course at UCSB	*Course at SBCC*
Math 3A	Math 150
Math 3B	Math 160
Math 3C	Math 210 + 220
Math 5A	Math 210 + 220
Math 5B	Math 200
Math 5C	Math 200
Chem 1A, 1AL	Chem 155
Chem 1B, 1BL	Chem 156
Physics 1	Physics 121
Physics 2	Physics 121 + 122 + 123
Physics 3, 3L	Physics 122
Physics 4, 4L	Physics 122 + 123
Physics 5, 5L	Physics 123
Engr 3	CS 133
Cmpsc 16	CS 130 + CS 135 + CS 137
Cmpsc 24	CS 140 + CS 145J or CS 145P
ECE 2A	Engr 117 + 117L
ECE 2B, ECE 2C*	No course articulated
ECE 15A*	No course articulated

Students will increase their preparation for transfer admissions by completing most or all the courses with a WHITE background in table above with a 3.5 GPA or greater. Courses with the GREY background are highly recommended and will add to the selectivity of the applicant. Courses with an asterisk need to be taken at UCSB because SBCC does not offer equivalent courses.

Questions about the preparation for Engineering or Computer Science majors should be addressed to:
admissions@engineering.ucsb.edu

Mechanical Engineering 2011-12	
Course at UCSB	*Course at SBCC*
Math 3A	Math 150
Math 3B	Math 160
Math 3C	Math 210 + 220
Math 5A	Math 210 + 220
Math 5B	Math 200
Math 5C	Math 200
Chem 1A, 1AL	Chem 155
Chem 1B, 1BL	Chem 155 + 156
Physics 1	Physics 121
Physics 2	Physics 121 + 122 + 123
Physics 3, 3L	Physics 122
Physics 4, 4L	Physics 122 + 123
Engr 3	CS 133
ME 6	Engr 117 + Engr 117L
ME 10	Engr 105 or Draft 105
ME 14	Engr 115
ME 15*	No course articulated
ME 16	Engr 116
ME 17*	No course articulated

Students will increase their preparation by completing most or all the courses with a WHITE background in table above. Courses with the GREY background are highly recommended and will increase the selectivity of the applicant. Courses with an asterisk need to be taken at UCSB because SBCC does not offer equivalent courses.

Admission into Mechanical Engineering at UCSB is VERY competitive. Earning the highest possible grades in required and strongly recommended courses in math, physics and engineering is essential to admissions.