1 Establish your eligibility

- You must complete the major prep courses listed on assist.org.
- You must fulfill all of the “required courses for admission” listed on assist.org for your intended major.
- You will strengthen your application if you take the “strongly recommended courses” listed on assist.org. If no recommended courses are available, taking any engineering or computer science courses can demonstrate your interest in the field.
- You must achieve a minimum GPA of 3.5 to be considered for admission. However, if your overall GPA is less than 3.5 but your major GPA is 3.5 or higher, you are encouraged to email esstransferadmissions@berkeley.edu.
- IGETC will not adequately prepare you for Berkeley Engineering. If you follow IGETC in preparation for other universities, you must ensure that you have taken courses equivalent to English R1A and R1B as listed on assist.org.

2 Personal Insight Questions

- Write compelling responses to the UC admissions application personal statement prompts.
- Each response is limited to 350 words.

There is one required question you must answer:
- Please describe how you have prepared for your intended major, including your readiness to succeed in your upper-division courses once you enroll at the university.

You must also answer 3 of the following 7 additional questions. You may choose which three questions to answer. It is important to select questions that are most relevant to your experience and that best reflect your individual circumstances.

1. Describe an example of your leadership experience in which you have positively influenced others, helped resolve disputes, or contributed to group efforts over time.
2. Every person has a creative side, and it can be expressed in many ways: problem solving, original and innovative thinking, and artistically, to name a few. Describe how you express your creative side.
3. What would you say is your greatest talent or skill? How have you developed and demonstrated that talent over time?
4. Describe how you have taken advantage of a significant educational opportunity or worked to overcome an educational barrier you have faced.
5. Describe the most significant challenge you have faced and the steps you have taken to overcome this challenge. How has this challenge affected your academic achievement?
6. What have you done to make your school or your community a better place?
7. Beyond what has already been shared in your application, what do you believe makes you stand out as a strong candidate for admissions to the University of California?

For more information about UC & College of Engineering admissions, visit admission.universityofcalifornia.edu and engineering.berkeley.edu/juniortransfer.

3 Take advantage of Berkeley’s Transfer Outreach Programs

- Transfer Alliance Project: cep.berkeley.edu/transfer-alliance-project-tap
- Pathways to Four-Year Universities pathways.berkeley.edu
- Berkeley’s Transfer Center: transfers.berkeley.edu
- Transfer-to-Excellence Research Experiences for Undergraduates (TTE REU): goo.gl/9DsgVt
- Starting Point Mentorship Program: transfers.berkeley.edu/startingpoint

4 Explore different engineering majors through activities

- U.S. Department of Energy Community College Internships Program: science.energy.gov/wdts/ci
- Pathways (summer research): pathwaystoscience.org/undergrads.aspx
- Transfer-to-Excellence Research Experiences for Undergraduates (TTE REU): goo.gl/9DsgVt
  Hint: UC Berkeley's Transfer to Excellence program brings community college students to Berkeley for a research program the summer before they apply.
- National Science Foundation Research Experiences for Undergraduates (REU) database: nsf.gov/crssprgm/reu
- National Institutes of Health Community College Summer Enrichment Program https://www.training.nih.gov/oite-yt/applyingccsep
Get ready to transfer

Berkeley Engineering

Demonstrate Interest in Your Major

- Participate in programs at your community college, such as:
  - Mathematics, Engineering, Science Achievement (MESA)
  - TRIO STEM
  - Other STEM related academic programs
- Join engineering student organizations on your college campus, such as:
  - Society of Hispanic Professional Engineers (SHPE)
  - National Society of Black Engineers (NSBE)
  - Society of Women Engineers (SWE)
- Join clubs on your campus, such as:
  - Robotics Club
  - Computer Science Club
  - Engineering Club
  - Chemistry Club
  - Physics Club
  - Phi Theta Kappa
- If your campus doesn’t have any of these types of programs - start one!

Explore Berkeley Engineering

- “Like” Berkeley Engineering on Facebook: facebook.com/berkeleyengineering
- Follow the College on Twitter: twitter.com/Cal_Engineer
- Learn more about Berkeley Engineering on YouTube: www.youtube.com/user/BerkeleyEngineering
- Participate in the 300+ workshops, presentations, demonstrations, or lab tours at Cal Day, our annual open house held each April: calday.berkeley.edu
- Attend Community College Visit Day in October
- Tune in to webinars hosted by the College of Engineering in October
- Attend Transfer Weekend in May

FAFSA

- Complete the Free Application for Federal Student Aid (FAFSA) by March 2 of your senior year, studentaid.ed.gov/sa/fafsa.
- Students who are not eligible to file a FAFSA and who qualify for the AB 540 Nonresident Supplemental Tuition exemption should apply for aid by completing the California Dream Act Application by March 2, caldreamact.org.
Applying to UC Berkeley, College of Engineering

1. **When can I apply for admission to Berkeley Engineering?**
The UC system application period is November 1–30 for admission to the following fall semester. Learn more about the admissions process on Berkeley’s admissions website ([http://admissions.berkeley.edu/](http://admissions.berkeley.edu/))

2. **Will I be admitted?**
The answer depends on the quality of the applicant pool and the number of spaces available in the major. For Fall 2018 the College of Engineering admitted 279 transfer students (11.4 percent of applicants), who had an average GPA of 3.89.

3. **How does Berkeley make its admission decisions for transfer students?**
Berkeley gives the highest priority for admission to California community college applicants. Lower priority is given to applicants from other UC campuses, other four-year institutions or non-California community colleges. Applicants are evaluated primarily on their completion of lower division courses, as well as the level of academic achievement reflected in their GPA. Only applicants who have completed 100 percent of the required core courses for their major — as outlined on assist.org, including English R1A & R1B — and achieved an overall GPA of 3.5 or higher will be considered for admission. Applicants who have completed 100 percent of the required core courses who have an overall GPA that is less than 3.5 but a major GPA that is 3.5 or higher are encouraged to send an email to esstransferadmissions@berkeley.edu.

The most competitive applicants have completed three or more technical courses each term, or have demonstrated the ability to balance a rigorous course load considering their outside obligations or challenges (i.e., full-time employment, parental responsibilities, etc.) In addition to the strongly recommended courses — as outlined on assist.org — other lower division courses relevant to the applicant’s major are recommended to strengthen one’s application. The personal statements and extracurricular activities are also reviewed for evidence of interest in the student’s chosen major, alignment with the mission of the College of Engineering, and a thoughtful match between the academic program and the student’s academic and career objectives. Test scores and letters of recommendation are not requested as part of the admissions process for transfers.

For additional information about Berkeley’s application and selection process, please see the Be Berkeley (transfer brochure) on the following website: [admissions.berkeley.edu/publications](http://admissions.berkeley.edu/publications).

4. **How many units will I need to complete to enroll as a transfer student?**
Applicants must complete a minimum of 60 UC-transferable semester units by the end of spring term prior to fall admission. Applicants with excessive transferable semester units (89 or more from a four-year institution or those who complete coursework at a community college and then transfer to a four-year institution) are ineligible for admission.
5. **What courses should I complete to be eligible for transfer admission?**

Transfer applicants must meet UC admissions requirements, which are detailed online on the University of California’s admissions website (universityofcalifornia.edu/admissions). In addition, applicants must satisfy the general requirements for admission to Berkeley, as well as the lower division required courses for their intended major, as listed on assist.org. The undergraduate degree requirements can be found in the College of Engineering Undergraduate Guide (engineering.berkeley.edu/guide). Please note, the Intersegmental General Education Transfer Curriculum (IGETC) offered at California community colleges is not accepted by the College of Engineering.

Applicants must complete all of the required courses for admission and as many of the strongly recommended courses that are available at their school for their intended major. Technical courses must be taken for a letter grade. Applicants must also complete the equivalent of UC Berkeley’s English R1A and English R1B for a letter grade. If a combination of courses is required to satisfy a particular requirement or requirements at Berkeley, then all courses in that combination must be completed in order to receive credit; no partial credit is given. For example, per assist.org, De Anza College’s combination of Math 1A and Math 1B are both required to satisfy Berkeley’s Math 1A requirement. Both courses must be taken at De Anza to satisfy the Berkeley Math 1A requirement. Required courses must be completed by the end of the spring semester prior to fall enrollment.

Transfer applicants are encouraged to consult the College of Engineering Undergraduate Guide for more information on the lower division humanities/social sciences requirements if they would like to complete suitable courses prior to admission.

6. **Which courses at my community college will satisfy Berkeley Engineering requirements?**

See assist.org for course equivalencies and articulation agreements with California community colleges. In cases where formal equivalencies have not been established, assist.org can be used as a guide to determine which courses must be completed prior to admission.

7. **Does it matter where I complete my lower division preparation?**

For transfer admissions, California residents attending a California community college are given the highest priority over applicants from any other institutions, including UC campuses, other four-year universities or non-California community colleges. The College of Engineering does not consider applicants to be community college students if they have completed a significant amount of coursework at a four-year college.

8. **How many units will I be able to transfer from my school?**

Students can transfer a maximum of 70 units from a community college; they may also receive subject credit for courses taken at a community college beyond the 70 unit maximum. Students who attend a four-year college may have all units transferred, however, earning units at four-year colleges (or in programs combining community college and four-year college credit) could result in excess units that can affect transfer eligibility. Applicants with 89 or more semester units from a four-year institution or those who complete coursework at a community college and then transfer to a four-year institution are not eligible for admission to the College of Engineering.

9. **Are the personal statements important?**

The personal statements on the application for admission are very important. Our faculty are particularly interested in learning about an applicant’s interest in engineering and his/her selected major, experiences (work, school, etc.) that were influential in the decision of the selected major, and goals and aspirations.

10. **When and how do I decide on a major?**

Applicants must choose a specific major when they apply for admission to Berkeley Engineering; we do not admit transfer students as undeclared. All of the engineering majors are described in the College of Engineering Undergraduate Guide (engineering.berkeley.edu/guide). Before selecting a major, it is critical that the applicant has reviewed and understood the courses that must be completed after admission. A review of the major requirements should help you determine which major is the best choice. Each major has its own area of specialization and curriculum requirements that will affect a student’s lower division preparation. It is important to discuss professional opportunities with college counselors and faculty before making a final decision on a major. Questions about Berkeley Engineering curricula may be addressed to the department offering the major (engineering.berkeley.edu/departments). The College of Engineering does not permit junior transfers to change their major once admitted to Berkeley.

11. **Does Berkeley Engineering consider an alternate major on the admission application?**

No, we do not consider applicants for an alternate major when making admission decisions.
12. If I am unable to attend the semester for which I am admitted, will Berkeley defer my admission?
Admission to Berkeley Engineering is valid only for the term in which the applicant is admitted. However, if there are extenuating circumstances, the applicant may apply for a deferral through the Office of Undergraduate Admissions.

13. What if I drop or don’t enroll in courses I reported on my application for admission?
If students are admitted to Berkeley but then fail to complete core courses as reported on their application, their admission may be cancelled. Changes in enrollment for an applicant’s final term must be reported immediately to the Office of Undergraduate Admissions and the College of Engineering.

14. I already have a bachelor’s degree. Can I still apply for admission?
No, the College of Engineering does not accept second bachelor’s degree candidates.

General Undergraduate Program

1. What is the graduation rate for transfer students in the College of Engineering?
Approximately 94 percent of incoming engineering transfer students graduate from UC Berkeley.

2. Do I have to graduate in four semesters?
Since a number of lower division courses required for our majors are not offered at community colleges, it can be challenging to complete a degree in four semesters. Many transfer students need a fifth semester. Admitted students missing three or more lower division technical requirements will be granted a fifth semester.

3. Can I change my major?
The college and/or major can be changed only during the November application filing period by contacting the Office of Undergraduate Admissions (admissions.berkeley.edu/starthere) no later than November 30. Transfer students admitted to the College of Engineering cannot change their major or add a double major in the College of Engineering.

4. For which AP tests will I receive credit?
The College of Engineering awards AP credit for most AP tests. Depending on the test and score, students will receive UC credit and/or College of Engineering subject credit. More information can be found in the College of Engineering Undergraduate Guide (engineering.berkeley.edu/exams).

5. What is the difference between the Electrical Engineering and Computer Sciences major in the College of Engineering and the Computer Science major in the College of Letters and Science?
The lower division requirements for the EECS major offered in the College of Engineering emphasize science and math and lead to a Bachelor of Science degree. Computer Science in the College of Letters and Science does not emphasize science and math and leads to a Bachelor of Arts degree. More information about the two computer science majors can be found on the EECS website (eecs.berkeley.edu/academics/undergraduate).

6. When can engineering students apply for internships or research?
Faculty and companies typically search for students who have completed their first and second year of engineering foundation courses. This means that securing an internship or research is most likely to occur in the junior and senior year or summer. Berkeley’s Career Center (career.berkeley.edu) offers job and internship fairs throughout the academic year (career.berkeley.edu/Internships/Internships.stm). For more information about research opportunities, visit the research websites for the College of Engineering (engineering.berkeley.edu/research/student-research) and Berkeley campus (research.berkeley.edu).

7. What is the job placement rate for engineering students after graduation?
Job prospects are very good for our graduates. Many students who are chosen for internships are hired by those same companies after they graduate. Others find great prospects with the help of job fairs and the campus Career Center (career.berkeley.edu). For additional information, consult the Career Center’s job placement statistics (career.berkeley.edu/Survey/2017Emp).

8. When will I enroll in classes if admitted to Cal?
New transfer students will complete an online orientation, Golden Bear Advising, in June. As part of Golden Bear Advising, transfer students will be guided in choosing courses for their first semester and will enroll in courses in July.
Student Life

1. Will there be time for co-curricular activities?
   Yes, in fact we encourage students to join organizations, participate in recreational sports and pursue outside interests. The College of Engineering offers over 85 different groups and organizations (engineering.berkeley.edu/student-life/teams-and-organizations) that students can join, and UC Berkeley has more than 1,000 registered campus-wide student organizations (lead.berkeley.edu/about-student-orgs).

2. What are the housing options for transfer students?
The Living at Cal (reslife.berkeley.edu) website can help students sort through the available housing options, both on and off campus. About one-third of incoming transfer students live in the residential communities their first year.

3. Is the campus safe?
UC Berkeley has its own police department (ucpd.berkeley.edu/home). Campus police patrol the campus perimeter and interior by car, motorcycle and bicycle. There are also emergency beacons situated around campus to help alert students, faculty and staff to any campus-wide emergencies that may arise. The campus offers nighttime safety services, including shuttles and BearWALK, to the campus community.

4. What kind of computer should students bring?
In general, students should buy a laptop that is affordable and convenient; there is no particular brand or model that is preferred. For information about software available to Berkeley students, visit Software Central (software.berkeley.edu).

5. What is the parking situation on campus?
Parking is limited on campus, and all faculty, staff and students must have a campus parking permit displayed in their vehicle at all times while parked in a parking structure or at a residence hall. Students can purchase daily or annual parking permits from the Parking and Transportation office (pt.berkeley.edu/parking/student-permits).

6. What kind of advising services are available to engineering students?
All College of Engineering students are assigned a faculty adviser, an Engineering Student Services (ESS) adviser and a department adviser. Faculty advisers are mentors and help students select the appropriate courses and opportunities to achieve their post-graduation goals. Students are encouraged to meet with their faculty adviser at least twice a year to discuss course planning and future goals. ESS advisers help students navigate University and College of Engineering policies and procedures, evaluate degree completion, and provide a lifeline for other questions and concerns that students may have during their academic career at Berkeley. Department advisers guide students toward opportunities within their field of study. They provide referrals to student groups relative to the student's major and handle all aspects of faculty advising, course scheduling, and research opportunities. Peer advisers are also available to answer general questions regarding policy and course requirements during the academic year.

Other Helpful Links
- Cal Housing (housing.berkeley.edu)
- Financial Aid and Scholarships Office (financialaid.berkeley.edu)
- University Health Services (uhs.berkeley.edu)
- Counseling and Psychological Services (uhs.berkeley.edu/counseling)
- Cal Parents (calparents.berkeley.edu)

Still have a question?
Visit Berkeley's admissions website (admissions.berkeley.edu) for more information on eligibility and the application process. Questions specific to the College of Engineering’s application requirements, curriculum, or student life may be addressed to Engineering Student Services, ess@berkeley.edu.
College of Engineering Departments

Engineering Student Services (ESS)
230 Bechtel, (510) 642-7594
engineering.berkeley.edu/ess

Bioengineering (BioE)
306 Stanley, (510) 642-5833
bioeng.berkeley.edu
Undergraduate Adviser:
Marisela Loza
mariselal@berkeley.edu
Graduate Adviser:
Kristin Olson
kaolson@berkeley.edu

Civil & Environmental Engineering (CEE)
760 Davis, (510) 642-3261
cce.berkeley.edu
Undergraduate Adviser:
Julia Konopasek
konopasek@berkeley.edu
Graduate Adviser:
Shelley Okimoto
okimoto@ce.berkeley.edu

Electrical Engineering & Computer Sciences (EECS)
205 Cory, (510) 642-3214
eecs.berkeley.edu
Undergraduate Advisers:
Nicole McIntyre
nicolemcintyre@eecs.berkeley.edu
Andrea Mejia Valencia
mejiavalencia@eecs.berkeley.edu
Graduate Adviser, 5th year masters:
Michael Sun
msun86@eecs.berkeley.edu
Graduate Adviser, PhD:
Patrick Hernan
hernan@eecs.berkeley.edu

Engineering Science (ES)
(Energy Engineering, Engineering Math & Statistics, Engineering Physics, and Environmental Engineering Science)
750 Davis, (510) 643-1713
engineeringscience.berkeley.edu
Undergraduate Adviser:
Felicia Bautista
fbautista3@berkeley.edu

Industrial Engineering & Operations Research (IEOR)
4141 Etcheverry, (510) 642-5484
ieor.berkeley.edu
Undergrad & Graduate Adviser:
Anayancy Paz
anayancy@berkeley.edu

Materials Science & Engineering (MSE)
210 HMB, (510) 642-3801
mse.berkeley.edu
Undergrad Adviser:
Mayra De La Cruz
msessa@berkeley.edu
Graduate Adviser:
Ariana Castro
msessa@berkeley.edu

Mechanical Engineering (ME)
6141 Etcheverry, (510) 642-1338
me.berkeley.edu
Undergraduate Adviser:
Ricky Vides
rickyv72@berkeley.edu
Graduate Adviser:
Yawo Dagbevi Akpawu
yawo@me.berkeley.edu

Nuclear Engineering (NE)
4155 Etcheverry, (510) 642-4077
nuc.berkeley.edu
Undergrad & Graduate Adviser:
Kirsten Wimple
Kirstenw@berkeley.edu

Visitors Center
visitors.berkeley.edu
2227 Piedmont Avenue
(510) 642-5215
visitorinfo@berkeley.edu
Monday - Friday: 8:30am - 4:30pm
Saturday - Sunday: 9am - 1pm

Undergraduate Admissions
admissions.berkeley.edu
103 Sproul Hall
Monday - Friday: 9am - Noon, 1 - 4pm

Financial Aid & Scholarships Office
financialaid.berkeley.edu
120 Sproul Hall
Monday – Thursday: 9am – 4pm
Myths vs Facts

Find out more about Berkeley Engineering: engineering.berkeley.edu

Myth: “Classes are too big and you don’t get to know your instructors.”

Fact: Large classes have small discussion sections, and all instructors have open office hours weekly.

Myth: “It’s impossible to graduate in four years.”

Fact: 98% of COE undergraduates complete their degree in four years or less.

Myth: “There are no undergraduate research opportunities.”

Fact: As a Tier I research institution, we have more undergraduate research opportunities than the average college campus.

Myth: “I won’t be able to talk to an adviser in person.”

Fact: Academic and peer advisers are available for appointments and drop-in advising every day of the week.

Myth: “Financial aid is only available for low-income students.”

Fact: Every US Citizen and permanent resident, regardless of family income, is eligible for some form of financial aid. Each year, the college gave out about $450,000 in scholarships.

Myth: “Engineering students don’t have time to study abroad.”

Fact: COE students are encouraged to study abroad and can find an international program that fits within their academic plans.
Bioengineering
Apply physical sciences and mathematics in an engineering approach to biological systems.
**Major:** bioengineering; **Minor:** bioengineering

Civil and Environmental Engineering
Develop civil infrastructure and protect the environment.
**Major:** civil engineering; **Minors:** environmental engineering; geoenineering; structural engineering

Electrical Engineering and Computer Sciences
Combine the fundamentals of computer science and electrical engineering in one major.
**Major:** electrical engineering and computer sciences
**Minors:** computer science; electrical engineering and computer sciences; electronic intelligent systems

Engineering Science Program
A multidepartment and interdisciplinary program that links closely-related areas of physical and biological sciences, mathematics and engineering.
**Majors:** energy engineering; engineering math and statistics; engineering physics; environmental engineering science
**Minor:** energy engineering

Industrial Engineering and Operations Research
Develop creative analytical and computational methods that make system-level decisions concerning economic efficiency, productivity and quality.
**Major:** industrial engineering and operations research
**Minor:** industrial engineering and operations research

Materials Science and Engineering
Study all natural and manufactured materials that enable new technological breakthroughs and engineering advancements.
**Major:** materials science and engineering
**Minor:** materials science and engineering

Mechanical Engineering
Understand all areas of energy production and transfer as well as the vast area of system design and control.
**Major:** mechanical engineering; **Minor:** mechanical engineering

Nuclear Engineering
Learn about nuclear processes and their role in medical diagnostics, applied research in superconducting magnetic systems and controlling nuclear fission to produce energy.
**Major:** nuclear engineering; **Minor:** nuclear engineering

Joint Majors
Information about changing to a joint major is available on the following website: [engineering.berkeley.edu/jointmajors].
- bioengineering/materials science and engineering
- EECS/materials science and engineering
- EECS/nuclear engineering
- materials science and engineering/mechanical engineering
- materials science and engineering/nuclear engineering
- mechanical engineering/nuclear engineering

Special Programs
Management, Entrepreneurship, & Technology (M.E.T.)
Prospective freshmen may apply directly to this program. In a four-year curriculum, students earn two Bachelor of Science degrees in one program that combines the best of the top-ranked College of Engineering and Haas School of Business. There are currently five tracks in the M.E.T. program:
- Bioengineering (BioE) + Business
- Civil Engineering (CE) + Business
- Electrical Engineering & Computer Sciences (EECS) + Business
- Industrial Engineering & Operations Research (IEOR) + Business
- Mechanical Engineering (ME) + Business
The M.E.T. program is not available to current Berkeley students or incoming transfer students. More information is available at met.berkeley.edu.

Certificate in Entrepreneurship and Technology
The Sutardja Center for Entrepreneurship & Technology is where aspiring entrepreneurs and innovators take deep dives into the world of technology entrepreneurship and innovation, and continue on the path to developing exciting new ventures. SCET offers a suite of technology entrepreneurship courses and programs that teach the fundamentals of entrepreneurship and help students build the future of new technologies such as blockchain, alternative meat, artificial intelligence, social technology entrepreneurship, and internet and data and privacy. Students can earn a Certificate in Entrepreneurship and Technology by taking the required depth and breadth of SCET courses. Learn more at scet.berkeley.edu.

Certificate in Design Innovation
The Berkeley Certificate in Design Innovation assumes that innovation will not come from any one discipline, but rather from the meaningful integration of methods, technologies, knowledge, and thought from a wide range of disciplines. As such, the certificate connects the design approaches and disciplines from four schools (College of Engineering, College of Environmental Design, College of Letters and Science – Arts and Humanities Division, and the Haas School of Business) to ensure that students know how to innovate. The program trains students to take responsibility for the entire life cycle of innovation, from idea to execution and beyond. The course sequence for the certificate consists of four courses: one foundation, two design skills, and one advanced design. More information is available at designinnovationcertificate.berkeley.edu.

Other Engineering and Engineering-Related Majors at Cal:
**College of Chemistry:** Chemical Engineering; Chemical Engineering/Materials Science & Engineering; Chemical Engineering/Nuclear Engineering
**College of Letter and Sciences:** Computer Science; Operations Research & Management
**International Baccalaureate Higher Level Exams**

**Humanities/Social Sciences Requirement**
A score of 5 or higher on the following exams may be used to satisfy one H/SS requirement each.

- Anthropology
- Dance
- Economics
- Film
- Geography
- Global Politics
- History, all
- Language other than English
- Music
- Philosophy
- Psychology
- Theater Arts, Visual Arts

**College & Major Requirements**
A score of 5 or higher on the following exams may be used to satisfy requirements within College of Engineering majors:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Requirement fulfilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Biology 1A/1AL and Biology 1B</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chemistry 1A/1AL</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Science 61B (if CS47B completed at UC Berkeley)</td>
</tr>
<tr>
<td>English Literature</td>
<td>Entry Level Writing/Reading &amp; Composition A</td>
</tr>
<tr>
<td>English Language and Literature</td>
<td>Entry Level Writing/Reading &amp; Composition A</td>
</tr>
<tr>
<td>Math</td>
<td>Math 1A and 1B</td>
</tr>
</tbody>
</table>

A score of 5 or higher on the Physics exam may be used to receive UC Berkeley unit credit.

**A-Level Exams**

**Humanities/Social Sciences Requirement**
A score of A, B, or C on the following exams may be used to satisfy one H/SS requirement each.

- Art & Design
- Classical Studies
- Economics
- History
- Language other than English
- Media Studies
- Music
- Psychology
- Religious Studies, all
- Sociology

**College & Major Requirements**
A score of A, B, or C on the following exams may be used to satisfy requirements within College of Engineering majors:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Requirement fulfilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Biology 1A/1AL and Biology 1B</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chemistry 1A/1AL (score of A also satisfies 1B)</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Science 61B (if programming language is C or C++)</td>
</tr>
<tr>
<td>Math H1</td>
<td>Math 1A</td>
</tr>
<tr>
<td>Math H2</td>
<td>Math 1A and 1B</td>
</tr>
<tr>
<td>Math H3</td>
<td>Math 1A and 1B</td>
</tr>
<tr>
<td>Pure Math</td>
<td>Math 1A and 1B</td>
</tr>
<tr>
<td>Further Math</td>
<td>Math 1A and 1B</td>
</tr>
</tbody>
</table>

A score of A, B, or C on Accounting, English (Language or Literature), or Physics may be used to receive UC Berkeley unit credit.
Advanced Placement

Humanities/Social Sciences Requirement

A score of 3 or higher on the following exams may be used to satisfy one H/SS requirement each.

- Art, Studio (2D Design, 3D Design, Drawing)
- Art History
- Chinese Language and Culture
- Economics (Micro or Macro)
- French Language and Culture
- German Language and Culture
- Government and Politics (US or Comparative)
- History (US, European, or World)
- Biology
- Chemistry
- Computer Science Principles
- English
- Mathematics: Calculus AB
- Mathematics Calculus BC
- Physics C Mechanics
- Biology 1A/1AL and Biology 1B
- Chemistry 1A/1AL
- Computer Science 10
- Entry Level Writing requirement
- Reading & Composition A
- Math 1A
- Math 1A and 1B
- Physics 7A
- Human Geography
- Italian Language and Culture
- Japanese Language and Culture
- Latin
- Music Theory
- Psychology
- Spanish Language and Culture
- Spanish Literature and Culture

College & Major Requirements

The following exams may be used to satisfy requirements within College of Engineering majors:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Requirement fulfilled</th>
<th>Required Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Biology 1A/1AL and Biology 1B</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chemistry 1A/1AL</td>
<td>3 or higher</td>
</tr>
<tr>
<td>Computer Science Principles</td>
<td>Computer Science 10</td>
<td>3 or higher</td>
</tr>
<tr>
<td>English</td>
<td>Entry Level Writing requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Reading &amp; Composition A</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Mathematics: Calculus AB</td>
<td>Math 1A</td>
<td>3 or higher</td>
</tr>
<tr>
<td>Mathematics Calculus BC</td>
<td>Math 1A</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math 1A and 1B</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Physics C Mechanics</td>
<td>Physics 7A</td>
<td>5</td>
</tr>
</tbody>
</table>

University Credit

A score of 3 or higher on the following exams may be used to receive UC Berkeley unit credit but cannot be used to fulfill a requirement.

- Computer Science A
- Environmental Science
- Physics C Mechanics (score of 3 or 4)
- Physics B
- Physics 1
- Physics 2
- Statistics
Much of what makes Berkeley Engineering unique is the abundance of ways our students can learn and grow. Each of the activities below offers unique opportunities to integrate material learned in the classroom with a chance to develop character and leadership skills. National research has shown that students who are involved outside the classroom have higher GPAs, are more satisfied with their college experience, develop valuable leadership and interpersonal skills, manage their time better, and hone marketable skills sought by employers (e.g., teamwork, creativity, time management).

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