The College of Engineering and Applied Science strives to provide all students with the opportunity to participate in enrichment experiences and partnerships with individual faculty and professionals in discovery, service and professional learning. Students who engage in active learning will be better prepared to excel in their careers and in the world through leadership and service.

**BURST: Bioscience Undergraduate Research Skills and Training:** BURST provides an hourly wage to undergraduate students at CU-Boulder desiring to gain research experience. Students who receive funding through this program work on biomedical/bioscience projects under the guidance of a faculty mentor. Preference for awards is given to sophomores and juniors.

[www.colorado.edu/Outreach/BSI/undergrad/burst.html](http://www.colorado.edu/Outreach/BSI/undergrad/burst.html)

**Discovery Learning Apprenticeship Program:** Earn an hourly wage while engaging in research with college faculty and graduate students. Apprentices learn hands-on techniques, gain insight to a field of study, and learn life skills such as time management, flexibility and how to be part of a team. Positions are announced, and applications are accepted, in April for the following academic year.

[engineering.colorado.edu/activelearning/discovery.htm](http://engineering.colorado.edu/activelearning/discovery.htm)

**Space Grant:** Colorado Space Grant is a NASA program. Space Grant students earn independent study or an hourly wage to work on real satellite missions. Students participate as project managers, systems engineers, programmers, and much more. The program is interdisciplinary and its students are highly recruited by industry. All students are encouraged to participate!

[spacegrant.colorado.edu](http://spacegrant.colorado.edu)

**Undergraduate Research Opportunities Program (UROP):** UROP supports research partnerships between faculty and undergraduates from all colleges. Students at all academic levels can participate in UROP because of the broad range of initiatives offered. Grants include: assistantships (students work as assistants with faculty members on their projects), team grants (two or more students on one project), or standard grants (individual, independent research projects). All projects require a faculty sponsor.

[enrichment.colorado.edu/UROP](http://enrichment.colorado.edu/UROP)
**SERVICE**

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<th>Program</th>
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<td><strong>AmeriCorps:</strong> CU students who sign a contract to complete between 300 and 900 hours of service are eligible to apply for a National Service Trust Education award of between $1,000 and $2,363, depending on terms of service. Eligible types of service include tutoring/mentoring K-12 students, community-based service addressing human needs, community work study positions in a local service agency, and participating in service or service-learning activities. Financial need is not a consideration for this scholarship.</td>
<td><a href="outreach.colorado.edu/programs/details/id/186">outreach.colorado.edu/programs/details/id/186</a></td>
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<td><strong>Earn-learn Apprenticeship Program:</strong> Earn an hourly wage while working for a department or program in the College, in such tasks as course assistant, web developer or K-12 outreach assistant. Look for these opportunities as they are announced by the departments.</td>
<td><a href="www.colorado.edu/engineering/activelearning/service/earn-learn">www.colorado.edu/engineering/activelearning/service/earn-learn</a></td>
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<td><strong>Engineering Ambassadors:</strong> Many volunteer activities are coordinated through the Dean’s Office and Engineering Ambassadors, including leadership positions for college tours, Engineering Sampler and a variety of recruitment events for prospective students.</td>
<td><a href="www.colorado.edu/engineering/academics/student-organizations/ambassadors">www.colorado.edu/engineering/academics/student-organizations/ambassadors</a></td>
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<td><strong>Engineering for Developing Communities:</strong> The Mortenson Center in Engineering for Developing Communities (MC-EDC) provides integrated and participatory solutions to humanitarian development by educating globally responsible engineering students and professionals to address the problems faced by developing communities worldwide. Interested students can enroll in focused courses, as well as participate in research and outreach/service activities.</td>
<td><a href="mcedc.colorado.edu">mcedc.colorado.edu</a></td>
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<td><strong>Engineers Without Borders-CU Chapter:</strong> Join other students who are committed to researching sustainable solutions for developing communities around the world. As the first student chapter of a rapidly growing national organization, we are committed to setting a good precedent for other chapters and fulfilling the vision of Engineers Without Borders-USA. For more information, check out the group’s website (listed below) or call the MC-EDC office at 303-735-6708.</td>
<td><a href="www.colorado.edu/engineering/ewb">www.colorado.edu/engineering/ewb</a></td>
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<td><strong>Environmental Center:</strong> The CU Environmental Center educates, activates, and inspires the campus community to understand and engage in local and global environmental issues. The Environmental Center gives students applied experience in interdisciplinary environmental problem solving and provides direct services to the University community, including the CU Recycling program, the student bus pass program, and the management of the student wind energy purchase.</td>
<td><a href="ecenter.colorado.edu">ecenter.colorado.edu</a></td>
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<td><strong>Institute for Ethical and Civic Engagement:</strong> The IECE’s purpose is to nurture and encourage ethical and civic education at CU-Boulder, to prepare our students for a lifetime of service to society as thoughtful, ethical and engaged citizens and contribute to the vitality of the many communities we serve from the local level to the global. The IECE currently administers a variety of programs including the Peace Corps Program at CU (see the section on Peace Corps) and the Puksta Scholarship Program, where each scholarship recipient must develop a year long intensive civic engagement project.</td>
<td><a href="www.colorado.edu/ice">www.colorado.edu/ice</a></td>
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INVST Community Studies: Programs develop engaged citizens and leaders who work for the benefit of humanity and the environment. INVST Community Studies offers a comprehensive 2-year Community Leadership Program that develops community leaders who engage in compassionate action as a lifetime commitment, as well as several Community Studies Electives and a Youth Council for Public Policy.
www.colorado.edu/communitystudies

K-12 Engineering Education Program: The K-12 engineering education program focuses on teaching hands-on, experiential engineering in local classrooms, augmented by intense academic year and summer “deep dive” engineering experiences for underrepresented youth. Its overarching goal is to ultimately recruit underrepresented students into the engineering college pipeline through weekly classroom delivery of hands-on engineering curricula in grades K-12, summer enrichment camps for students, and summer professional development workshops to enhance teacher knowledge and comfort with engineering content.
www.colorado.edu/index.php/k-12_engineering

Peace Corps: Peace Corps volunteers are using their education, skills, and work and volunteer experience to support grassroots development projects in the areas of education, health and HIV/AIDS, business and IT development, environment and agriculture, and community and youth development. In addition to making a real difference in the lives of others, the benefits of service include paid travel to and from the country of service, living expenses, medical and dental care, forbearance of student loans, graduate school opportunities, extensive language, technical, cross-cultural and health and safety training, and a service completion stipend.
www.colorado.edu/iece/peacecorps

Space Grant: Colorado Space Grant is a NASA program. Students help facilitate hands-on, science and engineering focused activities both on- and off- campus for young students in kindergarten through 12th grade.
spacegrant.colorado.edu/outreach

Professional Engineering and Honors Societies: The College of Engineering and Applied Science hosts CU chapters of many professional engineering societies. These societies fulfill a variety of functions, including dispersing student government information, setting up guest speakers, organizing social events, and sponsoring entries in national design and paper competitions. Service in an officer-capacity in one of these societies fulfills the service requirement for the Active Learning Award.
www.colorado.edu/engineering/academics/student-organizations

UCEC: The University of Colorado Engineering Council (UCEC) is the student government for the College of Engineering and Applied Science at the University of Colorado at Boulder. UCEC acts as the students’ voice to the engineering administration and academic departments, as well as within CUSG and groups like ITS.
www.colorado.edu/engineering/ucec

Volunteer Resource Center/Alternative Breaks Program: In 1965, a handful of motivated CU students saw a need for volunteers in the community, and created the Volunteer Resource Center (VRC). The VRC is a student-run center that works to link up interested students with volunteer programs that best fit their individual interests and needs.
voluteer.colorado.edu
Career Services Internships/Cooperative Education: Career Services provides a centralized, comprehensive career center for all students at the University of Colorado at Boulder. Career Services empowers students to take control of their own professional development and job search by providing the following tools and services: Career Counseling, Information Resources, Job & Internship Listings, Test Preparation & Administration, Career & Internship Fairs, Recommendations & Credentials, and On-Campus Recruiting.
careerservices.colorado.edu

Departmental Cooperative Education: Students who enroll in a co-op program gain valuable hands-on experience over the course of several semesters, with each work session building upon academic learning and previous work experiences. Students participating in co-ops graduate with a host of marketable skills and professional contacts. Currently, the departments of Aerospace Engineering; Chemical and Biological Engineering; Civil, Environmental and Architectural Engineering; Computer Science; Electrical, Computer, and Energy Engineering; and Mechanical Engineering have co-op directors in place, although students from all majors may participate. Check with your department’s co-op director for the latest information regarding co-ops, or contact Sherry Snyder (contact info below) if your academic program does not have a director.
www.colorado.edu/engineering/activelearning/professional/co-op