Creating Futures

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Top 20 Public Engineering School
College founded 1893

Undergraduate Scholarships

Financial support for students is a critical need. Even with financial-aid packages, parental assistance, and loans, some outstanding students cannot close the gap between their resources and the growing cost of education. Monetary support also is an incentive that persuades high-achieving and diverse students to choose CU Engineering.

Students today are coping with the reality of fewer grants and scholarships due to decreased federal and state funding while the cost of education continues to rise. Only 44 percent of the average financial-aid package is met with scholarships or grants, while 56 percent is met through loans and work-study employment. Engineering scholarships, typically $1,000-4,000 per year for one to four years, help to alleviate that burden, but in order to be competitive, the college needs to increase the number of scholarships and the amount of money it gives to students.

Scholarships have a clear advantage over loans because there is no repayment of debt after graduation. They enable students to focus on their education, instead of working long hours to pay for school loans, and give students a sense of pride and achievement with a reward for academic excellence and added motivation to succeed.

By supplementing university aid packages with scholarships, the college can attract and retain the most promising students, some of whom may not otherwise be able to pursue a university degree.

FY12 Goal: 2.5 million in new scholarship support

Endowed Scholarships draw funds monthly from earnings generated by the principal of a gift, thus providing a reliable and permanent source of financial aid. The minimum donation to establish an endowed scholarship is $25,000, which generates an annual payout of about $1,125.

Annual Scholarships depend upon a gift from a donor each year. If the donor stops making the annual gifts, the scholarship ceases to exist. Annual scholarships are significantly less expensive, but inherently temporary.

College Scholarship Data 2011-12*

> 973 students awarded scholarships (32.8% of undergraduates) from 136 endowed and 42 annual scholarship funds.
> $1,500 median value of award

*in addition to campus-wide financial aid

Selection Criteria Possibilities

Choose from a range of flexible options to customize your scholarship:
> Academic Performance
> Academic Discipline
> Geographic Location of Origin
> Unrestricted—Allows Scholarship Committee flexibility to apply to the area of greatest need

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Graduate Fellowships

Through investments in top students—and the groundbreaking ideas generated by innovative minds—you can help to ensure America’s continued leadership and economic health, as well as help outstanding students achieve their dreams at CU-Boulder. Establishing a graduate fellowship will help CU compete with other schools in the recruitment of tomorrow’s leading engineers.

Graduate fellowships provide financial support to students who are foregoing full-time employment to focus on graduate-level studies. By the time they enter graduate school, most students are financially independent, and many are already saddled with loans from their undergraduate education. Fellowships, which generally range from $5,000 to $30,000, help to cover tuition and living expenses without increasing a student’s debt.

Fellowships also serve as an incentive to the best students, bringing prestige that helps them stand out to prospective employers. Companies that support fellowships are investing in the future of their industry, gaining visibility and more opportunities to interact with prospective employees. Individuals can honor one of their own faculty mentors or remember a loved one through a graduate fellowship, while helping deserving students to achieve their goals.

Pau Haro Negre is a recipient of the Balsells Graduate Fellowship in Bioengineering established by alumnus Peter Balsells.

2011 NSF Graduate Student Fellowship

Julie Korak, a doctoral student in the environmental engineering program, is working with Professor R. Scott Summers to develop an analytical method for detecting hydraulic fracturing fluid in groundwater. Hydraulic fracturing is widely used for the extraction of oil and natural gas. There is a growing concern that the chemical compounds, some of which are toxic, used in the fracturing process have the potential to contaminate groundwaters or enter surface waters during disposal. Julie plans to use fluorescence spectroscopy to develop an economic and simple method for detecting the presence of these compounds. Such a method would benefit both rural and urban communities wherever there is a prevalence of oil and gas development.

Cost of Attendance 2011-12 Academic Year

<table>
<thead>
<tr>
<th>UNDERGRADUATE Expenses</th>
<th>Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$12,145</td>
<td>$32,779</td>
</tr>
<tr>
<td>On-Campus Room and Board</td>
<td>$11,278</td>
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<tr>
<td>Books/Supplies</td>
<td>$1,749</td>
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<tr>
<td>On-Campus Estimated Total</td>
<td>$25,172</td>
<td>$45,806</td>
</tr>
</tbody>
</table>

| GRADUATE Tuition (9+ hours)            | $12,258    | $27,558      |