University of Colorado Boulder

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

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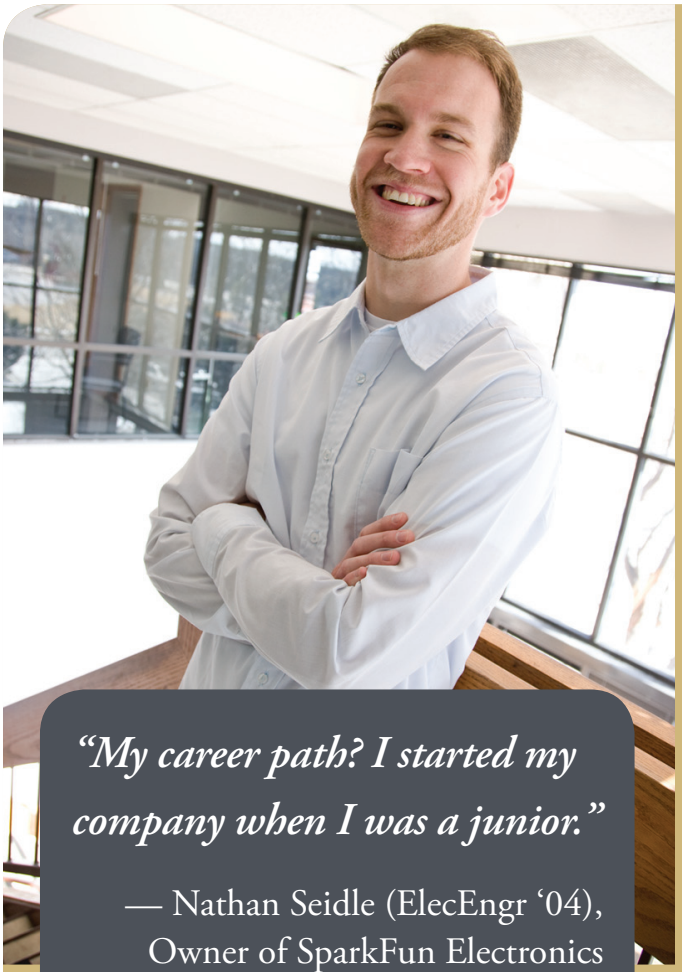
Program founded 2008

Top 20 Public Engineering School

11/25/13



"My career path? I started my company when I was a junior."

— Nathan Seidle (ElecEngr '04), Owner of SparkFun Electronics

Engineering Entrepreneurship *Program*

The E-ship program at the University of Colorado Boulder College of Engineering and Applied Science provides undergraduate engineering students with the entrepreneurship and management education required to leverage their technical knowledge for business success in today's highly competitive and global marketplace. Students can earn an Entrepreneurship Certificate with five courses culminating in preparation of a business plan.

The program works in partnership with the Deming Center for Entrepreneurship in the Leeds School of Business to provide the knowledge, skills, and relationships engineering students need for professional success in today's business environment, whether they plan to start their own business or want to move into management within an existing engineering or technology company. The program also gives the College of Engineering and Applied Science a competitive advantage for recruiting top-tier students and building productive relationships with industry.

Program Goals and Objectives

> Provide students with an understanding of the business context of engineering and technology
> Train students to gain organizational influence
> Boost student ability to deliver to the "bottom line"
> Help students acquire and develop leadership skills to realize more rapid career development
> Enable students to refine interpersonal skills and gain expertise and confidence in working with others
> Award credit that may apply to degree programs

Opportunities for Giving

> Sponsor E-ship's role in the March New Venture Challenge business plan competition
> Contribute to E-ship's financial sustainability
> Fund E-ship's growth to increase the number of students served

eship.colorado.edu > 303.492.4165

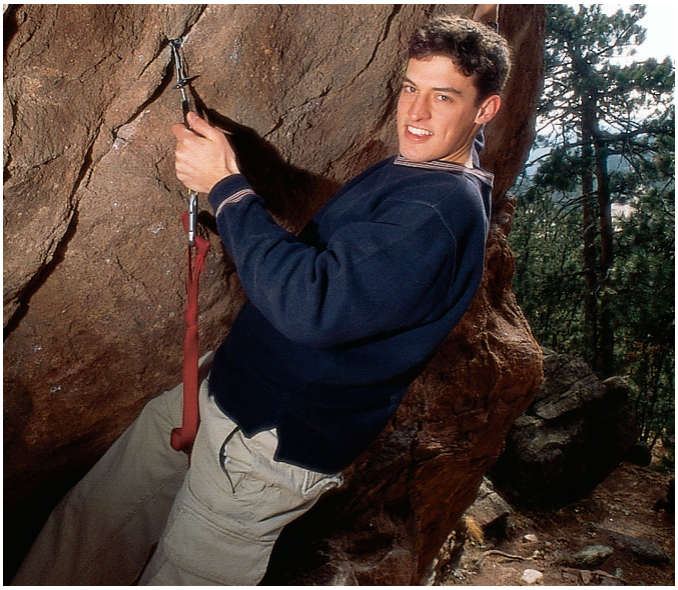
Preparing Students to Make an Impact

Engineering students who have the passion and drive to make a difference in the world can take advantage of the Engineering Entrepreneurship Certificate to build the knowledge and skills they need to succeed on their own terms. By learning key principles and putting them into practice in a real-world project, students can become change-makers through innovation and invention.

From Design ... to Market

Applying engineering skills to create, invent, and sell innovative products is something CU students have been doing for years. The E-ship program supports and encourages these entrepreneurial minds and provides them with added skills and knowledge that will enhance the success of their endeavors.

Mechanical engineering students (left to right) Heather Bartlett, Evan Falivene, Jamie Clark, Tyler Bagrosky, and Audrey Earnshaw got a close-up look at the medical device industry as their senior design team undertook the challenge of developing a new device to be used in minimally invasive surgery. The team designed a 5-mm hand piece for ConMed Electrosurgery, which is intended to both cut and cauterize tissue with one tool.



Volunteers and Mentors Make a Difference

As an undergraduate mechanical engineering student, Seth Murray worked with CU engineering professor Larry Carlson to develop a two-cam rock anchor for rock climbing. Murray received an NCIIA grant and showed the device at the Smithsonian Institute before starting his own company to market the anchor. Today, he pays it forward as Director of Engineering Entrepreneurship, working with E-ship students to help them realize their own dreams as inventors and developers — and he underscores the critical role volunteers and mentors play in the program.

"In the spring of 2010 and 2011 I mentored E-ship students writing business plans," Murray says. "These students were from Engineers Without Borders and were working with Rwandans to commercialize the technology products they had worked on together the previous summer. The experience was rewarding to see the students learn about the intersection of business and engineering to provide products for those in need of health and wealth generation."

Your own professional and entrepreneurial experience can provide valuable guidance to E-ship students through volunteering or mentorship. Contact us to learn more.

"It really opened up my eyes to the business world, my strengths, and my passions. I feel like I've learned more in this class than I have in any other so far in college."

— Alexa Schaefer, civil engineering E-ship student

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