

EDUCATING ENGINEERING LEADERS

Introduction

The College relies on engaged and committed donors like you to make a difference in students' lives. Your support of unrestricted funds, like the Engineering Dean's Fund for Excellence, is critical to providing experiences that lead to student success. Unrestricted funds allow the Dean the flexibility to meet the emerging needs of students promptly, allowing Mizzou Engineering to stay at the forefront of engineering schools. First-year student programs, the Machine Shop renovation and the new Augmented and Virtual Reality labs were all made possible this year because of unrestricted funding. With these initiatives and many others, the College has continued to grow not only in innovation, but also in student enrollment and retention.

First-year Student Support

Do you remember how overwhelmed you felt your first year at Mizzou Engineering? This year the College of Engineering launched Camp COE, aimed at helping first-year students build a community that will grow with them during their college career. Thanks to your support, this event provided students the opportunity to start their college career off on the

right foot.

The camp allowed first-year undergraduate, transfer, graduate and international students a chance to network, find a mentor and experience team building. Activities included climbing a high-rope course, zip lining up to four hundred feet, swimming, and so much more all while building connections that will aid in their learning for years to come. One hundred, twenty-nine campers joined five directors and thirty-four counselors from August 23 to 25th at Trout Lodge in Potosi, Missouri.



Another first-year student initiative is the Engineering Success Bridge Program. This summer program is a 4-week long camp that allows students a head-start on their engineering journey so that they are set up for success when they step on campus for the fall semester. Students participate in a variety of seminars and workshops including a Guaranteed 4.0 program aimed at preparing them

for the rigorous engineering coursework. The students also gain crucial time with faculty from every department which helps them develop the relationships they will need to be successful while in college. Thanks to unrestricted funding, the students who participate in this program outperform their peers because of strong support and ample resources.

Machine Shop

The Machine Shop or the MU Engineering Research Support Services (ERSS) coordinates all technical aspects within the college from technology to facility management. The Machine Shop offers students a chance at hands-on learning while assisting the college and overseeing labs. This opportunity allows students to gain skills in not only technical aspects but in professionalism and timeliness as well.

In order for the Machine Shop to run smoothly, it takes contributions from donors like you to ensure they have the equipment they need and a safe environment for students to learn. The hands-on experience allows students to discover not only how the machine works, but also why and how they could design something similar in the



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ENHANCING THE STUDENT EXPERIENCE

future. The problem-solving skills students attain from this are crucial and would be impossible without unrestricted funding.

Augmented and Virtual Reality Labs

The new innovative Augmented Reality and Virtual Reality (AR/VR) labs present great opportunity for collaboration across disciplines at the



the University of Missouri and can be used for simulations that aid in medicine, marketing and advertising, education and so much more. They allow students to explore this rapidly developing technology and to connect with peers through the emerging new student organizations and classes on the horizon. We have only begun to understand the opportunities these cutting-edge labs will provide for Mizzou Engineering students. Without unrestricted funds, the AR/VR labs would not be a reality today.

The Near Future

These initiatives are just a few among the many made possible through the support of unrestricted funds. The college remains committed to

recruiting and retaining talented Engineering students who will lead discovery, improve our communities and solve the grand challenges. To do that, we want to show them what it means to be a Mizzou Engineer through visual storytelling and an interactive exhibit of the College's history, strengths, successes and notable alumni. This display will become a source of pride for alumni and have a positive impact on current and future Tigers.



Elizabeth G. Lobo Ph.D., *Vice Chancellor for Strategic Partnerships, Dean and Ketcham Professor of the College of Engineering*

Thank You from the Dean

Mizzou Engineering is about finding solutions. We educate the engineering leaders of tomorrow to find creative, innovative answers to some of the biggest questions facing our world today. How do we power our vehicles, our homes and our electronics in an efficient, environmentally-friendly way? How do we design and construct buildings to withstand the ravages of nature? How will biomedical innovations help us to live longer, healthier lives? How can we best protect air and water quality, improve food security and conserve our finite natural resources? Through experiential learning, collaborative partnerships and an interdisciplinary approach, the College of Engineering is training the next generation of engineering leaders to find solutions to these questions and many more. To do this, we need your help.

