



THE
SELF
PROGRAM
2009-2010



CONTACT US



If you have questions about the SELF Program, please get in touch with us.

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For more information about the KU School of Engineering or the SELF Engineering Leadership Fellows Program, please visit our Web site at www.engr.ku.edu. Application information for the SELF Program can be found at www.engr.ku.edu/self.

You can reach us in person or through the mail at:

Lucy McGilley
1520 W. 15th Street
Eaton Hall, Room 1
Lawrence, KS 66045



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SELF MISSION STATEMENT



The mission of the Madison A. and Lila Self Engineering Leadership Fellows Program, the SELF Program, is to develop passionate engineering and computer science graduates who are strongly goal-oriented and who bring the business skills and vision needed to guide the technology-based corporations of tomorrow. The SELF Program will recruit, select and financially support students at the University of Kansas and administer to them an ongoing four-year personal development program that leads to a continuing supply of exceptional graduates at the bachelor of science level.

By active participation in the program, the students will expand and refine their leadership, managerial, business, interpersonal, entrepreneurial, communication and engineering skills through mentoring, coursework, seminars and leadership opportunities. Graduates from the SELF Program will possess the personal attributes needed to become effective leaders who are motivated to make a real difference during their careers.

A NOTE FROM DEAN BELL



Greetings:

The University of Kansas School of Engineering is a wonderful place that supports focused students undertaking tremendous projects as future engineers and computer scientists. The Self Engineering Leadership Fellows program is one of those outstanding projects. With a generous donation from Al and Lila Self, the University of Kansas is able to support an unmatched fellowship program. This selective program welcomes 12-15 students out of high school each year to be a part of a four-year development curriculum to learn additional skills outside of the engineering classroom.

The outcomes include leadership, entrepreneurship, business, communication, management, interpersonal, and engineering skills. Mr. Self likes to say that these students have a “fire in the belly.” They are the future leaders of our world.

It is with great excitement that I look to the future. The SELF Fellows have the tools to go out into the world and be the positive change we need.

Warm Regards,

Stuart Bell

Dean of Engineering

SELF HISTORY



The Self Engineering Leadership Fellows Program is made possible by an endowment from Madison A. and Lila Self. Their intention is to find students who have a passion for engineering and possess a “fire-in-the-belly” mentality and a desire to make a difference in business and industry. The Selfs also fund the Self Graduate Program, which is open to graduate students in selected majors.

The undergraduate program began in the fall of 2007 and has three enrolled class levels. In the fall of 2010, the program will enroll its fourth freshman class to round out a total of approximately 65 students. Lucy McGilley has been the program director since the inception of the SELF Program.

ABOUT THE PROGRAM



The Self Engineering Leadership Fellows Program is a four-year enrichment program offered to a select group of students in the School of Engineering at the University of Kansas. The students take part in mentoring activities, coursework and seminars intended to further develop skills essential to lead economic and community growth. The program rewards its participants with a scholarship totaling \$20,000 dispersed over four years.

The Self Fellowship began in 2007 and is under the direction of Lucy McGilley, the SELF program director. Since then, the SELF Program has grown to 46 students from freshman through the junior class, and will reach approximately 65 total engineering and computer science students at the freshman through senior levels in the 2010-2011 school year. As part of the SELF Program, students are encouraged to develop in the seven areas of a success: Leadership, Business, Entrepreneurial, Managerial, Interpersonal, Communication, and Engineering.



ABOUT THE BENEFACTORS



The SELF Program was made possible through a generous donation to the KU Endowment by Madison A. and Lila Self. The Selfs established the program with the intent that it makes a difference in the lives of students who will then rise to make a notable difference in the world.

Madison "Al" Self is a 1943 KU chemical engineering graduate, successful businessman and recipient of the School of Engineering's Distinguished Engineering Service Award in 2000. The Selfs, native Kansans who met at KU, have been long-time and generous supporters of the University.

WHAT WE DO



The SELF Program students participate in a wide range of activities and have established themselves as leaders across campus. The Fellows invite leaders of industry such as Brian McClendon, Vice President of engineering for Google, and Greg Graves, CEO of Burns and McDonnell, to put on seminars and lectures. The Fellows coordinate and help with numerous events throughout campus. They run the Engineering High School Design Competition, Engineering Family Day, assist in the Future Cities Competition, help at the Engineering Homecoming tent and participate in Engineering Expo.



In 2007, the inaugural class of Fellows created Flapjacks for Philanthropy, an annual buffet pancake feed. All proceeds are donated to a selected charity or group in the community. The Fellows also volunteer at Habitat Restore and Jubilee Café, as well as participate in countless student groups and help to bring innovative ideas to the University of Kansas and the School of Engineering.

BECOME A FELLOW



High school seniors and current KU School of Engineering sophomores are welcome to apply for the SELF Program. High school seniors admitted to the School of Engineering can apply to the program and should supply recommendation letters, a personal statement, and responses to essay questions. If selected for the Fellowship, the students receive a four-year enrichment program and financial package to support their transition to leaders in technology and business. Each academic year, up to 15 high school students are selected based on their leadership qualities, not test scores.



Current KU School of Engineering students are also welcome to apply during their sophomore year of study. Up to five sophomore level engineering students with a track record of motivation, leadership, and action are selected to join the innovative program their junior year, and receive a two-year financial award of \$6,000 in each of their junior and senior years. For more information on how to apply, see the SELF Program website at www.engr.ku.edu/self.

SELF FUN FACTS



The **3** classes of SELF Fellows represent at least **98** different professional and student organizations across campus, including Student Senate, KU Football, Engineers Without Borders, Engineering Student Council, Habitat for Humanity, and Navy ROTC.

The calculator-to-student ratio in the SELF Program is **1.29**.

In 2008, each class of SELF Fellows was supported by over **\$598,000** in scholarships from KU and the KU School of Engineering, in addition to SELF scholarships.

The SELF Fellows represent **7** states, have ties to **4** different countries, and have traveled to over **41** countries worldwide.

SELF Fellows take leadership in more than just student groups on campus, placing **2nd** in the 2009 eat-then-run Crunchy Chicken Challenge.

At the 2009 Flapjacks for Philanthropy buffet event hosted by the SELF Program, **1,247** pancakes were consumed in three hours.





MARY ADAMS

**Sophomore, Architectural Engineering
Lawrence, Kansas**

With a strong involvement with Engineers Without Borders, Mary embodies the community-first attitude of a leader. She is the Engineering Student Council's Expo Co-Coordinator, a member of Theta Tau, and the Treasurer for Engineers Without Borders. She graduated from Rolla Senior High in Rolla, Missouri.

As part of her interest in global welfare, Mary has traveled with EWB to Greensburg, Kansas; New Orleans; and Bolivia in just the last year. She will be interning in fire protection engineering with FSC, Inc. in Kansas City this upcoming summer.



KATHLEEN ARMISTEAD

**Junior, Chemical Engineering
Washington, Missouri**

A graduate of Cor Jesu Academy in St. Louis and KU junior, Kathleen is involved on campus beyond her interests in engineering. She's a member of Alpha Delta Pi Sorority, the American Institute of Chemical Engineers, the Engineering Student Council, and is a Telecounselor for KU Admissions.

As part of a study abroad in the summer of 2009, Kathleen participated in materials engineering through the University of Akron in Mexico. This summer, she will intern as a field engineer with Schlumberger in Oklahoma.



BRIAN BLACKWELL

**Junior, Mechanical Engineering
Herington, Kansas**

Originally from Herington High School, Brian is a junior with an interest in alternative energy in third world countries. He spends his time as part of the Jayhawk Leadership Academy, Golden Key Society, American Society of Mechanical Engineers, National Society of Collegiate Scholars, the Engineering Student Council, and the KU Football Team.

Brian has taken part in supporting the Student Union Activities' Late Night Price is Right, Grocery Bingo, and Engineering Student Council's Dodgeball Competition.



HANNA COSGROVE

**Freshman, Engineering Physics
Prairie Village, Kansas**

Hanna finds interest in many organizations as a freshman in engineering physics from Shawnee Mission East High School. She is the Technology Chair for Kappa Alpha Theta Sorority, the Volunteer Coordinator for the KC Jiggle Jam Family Music Festival, and is the Vice President of the Freshman Engineering Student Council.

Outside of school, Hanna enjoys swimming, playing the piano, singing, and reading. She plans to work in space and aircraft design.



COLIN DAVIDSON

**Junior, Mechanical Engineering
and Business Administration
Overland Park, Kansas**

Colin embodies many of the leadership qualities of the SELF Program in his involvement at KU. As a graduate of Blue Valley Northwest, he is the Co-Coordinator for Engineering Expo with the ESC, the Recruitment and Community Service Chair for Theta Tau Professional Engineering Fraternity, in Tau Beta Pi, and is the Vice President of Pi Tau Sigma.

Colin plans to build on his interest in alternative power generation, when he interns for his second summer at Burns & McDonnell's Process & Industrial Global Practice in Kansas City.



CAROL FITTELL

**Junior, Civil Engineering
Lawrence, Kansas**

As a junior who graduated from Free State High School, Carol is involved in numerous organizations including the Rock Climbing Club, Engineers Without Borders, KU Environs, and serves as the President of KU's Yoga Club. She stays involved with the community by helping local scouting groups. In addition to backpacking and rock climbing across the country, she has traveled to Bolivia with Engineers Without Borders to help improve sanitation in the Andes.

Carol is interested in sustainable water infrastructure projects in developing countries and is considering joining the Peace Corps. This summer, she plans to backpack through the Pacific Northwest during breaks working on the Konza Groundwater Monitoring Project.