



UNIVERSITY OF KENTUCKY

The University of Kentucky College of Engineering is the Commonwealth's leading engineering institution. Since conferring the first degree in 1890, the College has sent approximately 17,500 of its graduates into all phases of the engineering and computer science profession, and into business, law, medicine, as well as a variety of related professions.

Engineering plays a significant role in the University of Kentucky's land grant mission. Academic faculty, together with staff in the Kentucky Transportation Center, the Center for Robotics and Manufacturing Systems, the Consortium for Fossil Fuel Liquefaction Science, the Center for Aluminum Technology and the Painting Technology Consortium provide the Commonwealth with technical expertise and vital resources in support of technological and economic development. Now in its second century of service, UK's College of Engineering occupies an enviable position among the leading engineering schools nationally.

## Selected Accomplishments

The University of Kentucky's engineering and computer science faculty, numbering approximately 140, are nationally and internationally recognized. Among current and emeriti faculty, one is a member of the National Academy of Engineering, more than 20 have received the coveted Presidential Young Investigator or CAREER Development Award from the National Science Foundation, and more than 25 are fellows in one or more professional societies. Twenty-three endowed faculty positions have been committed to support faculty who are nationally recognized for their excellence in teaching and distinguished scholarship. The College ranks among the leaders nationally in percentage of female faculty members with just over 11 percent.

Expenditures on grants and contracts now exceed \$15 million annually. The National Science Foundation's ranking of graduate programs and research activity places UK's graduate engineering programs 28th among public universities and 36th out of all engineering programs nationally.

The College's total annual budget of approximately \$40 million would rank it as the largest engineering firm in the Commonwealth, if it were considered to be a business.

There are more than 6500 UK College of Engineering alumni presently living and working in Kentucky. College alumni have been instrumental in creating many new companies in Kentucky. Nationally, more than 800 engineering alumni serve as presidents, CEOs, vice presidents, owners, or partners in their corporations.

Approximately 17 percent of the current freshman class is female. The total number of undergraduate women enrolled in the College is approximately 350, exceeding 17 percent of the undergraduate student population. The College is committed to increasing the percentage of its female students to 20 percent.

African-American enrollment has climbed steadily to about five percent. The College is committed to increasing the percentage of African-Americans studying engineering and computer science to six percent.

The College attracts the most outstanding student body of any undergraduate program in the Commonwealth. The 2000 freshman class compiled an average score on the ACT of 27. Approximately 25 percent of the National Merit Scholars enrolling at UK select engineering for their professional future. The University of Kentucky ranks among the top 15 public universities in the United States in the number of National Merit Scholars in its freshman class.

Alumni, friends, corporations, foundations and trusts contributed more than \$5 million to the College during fiscal year 2000-2001.

The ABET accredited Co-op Program has been nationally recognized by sponsoring two National Co-op of the Year Award winners, and with multiple co-op personnel in leadership positions on the Executive Board of the Cooperative Education Division of the American Society for Engineering Education. Approximately 300 of our students work with more than 110 corporations nationwide to enhance their academic preparation for careers in engineering.

A number of our 26 engineering student organizations have garnered national awards. The Society of Women Engineers has received the national outstanding new chapter award in 1992, the 1998 Best National Student Section, and for the past six years, was awarded Best Student Section in the region. In the Boeing Team Tech Competition, they placed first nationally in 1993, 1995, 1996, and 1998; and second place in 1994, 1996, 1997, and 2001. The student chapters of the American Institute of Chemical Engineers, the Society of Mining Engineers, and the American Society of Agricultural Engineers have all been named outstanding national chapters as has the Engineering Student Council.

The College endowment has grown to more than \$39 million through the generosity of its alumni, friends, and corporate partners. Proceeds from the endowment, annual gifts, and institutional funds provide more than \$1.5 million annually for undergraduate scholarships. Approximately \$4 million is spent each year in support of graduate assistantships and fellowships.

The College includes eight centers and consortia, including the Kentucky Transportation Center, the Center for Robotics and Manufacturing Systems, the Consortium for Fossil Fuel Liquefaction Science, Vibro-Acoustics Consortium, Painting Technology Consortium, the Center for Aluminum Technology, the Center for Micro-Magnetic and Electronic Devices and the Electron Microscopy Facility. The College is a major participant in the newly created Materials Research Science and Engineering Center (MRSEC), one of 11 funded nationally by the National Science Foundation. The College is also affiliated with the Center for Applied Energy Research, Advanced Science and Technology Commercialization Center, the Center for Biomedical Engineering and the Laboratory for Advanced Networking.

College programs have benefitted from a number of new facilities over the past ten years. The Commonwealth has invested more than \$100 million in new facilities to house and equip academic, research, and service programs.

The new \$23.6 million mechanical engineering/engineering commons building named for alumnus Ralph G. Anderson (BSME '50) will complete an engineering complex equal to any in the United States. More than \$4 million in private funds have been secured, and the Kentucky General Assembly approved public financing for the building during its 1998 legislative session. It is slated for completion in April, 2002.



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