



UNIVERSITY OF KENTUCKY
College of Engineering

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 more than 21,000 graduates into all phases of engineering and computer science, as well as business, law, medicine and a variety of related professions.

Engineering plays a significant role in the University of Kentucky's land grant mission. Faculty and staff in the College's research and technology transfer centers 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 a strong position among the nation's leading engineering schools.

Selected Accomplishments

The University of Kentucky's engineering and computer science faculty, numbering close to 160, 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 30 are fellows in one or more professional societies. More than thirty endowed faculty positions have been committed to support faculty who are nationally recognized for their excellence in teaching and distinguished scholarship. Just over 11 percent of faculty members are female, ranking the College among national leaders.

Expenditures on grants and contracts now exceed \$30 million annually. The College's research and graduate programs continue to grow in stature. UK was ranked 52nd among all public research universities in U.S. News and World Report's 2007 rankings of graduate engineering programs. It ranked 38th in terms of research expenditures and 46th in the number of doctoral degrees awarded in the same rankings. U.S. News ranked UK's graduate program in mechanical engineering 45th among all public universities and its civil engineering 50th.

The College of Engineering's total annual budget of approximately \$55 million would rank it as the largest engineering firm in the Commonwealth, if it were considered to be a business.

There are more than 8,000 UK College of Engineering alumni living and working in Kentucky. College alumni have been instrumental in creating many new companies in the Commonwealth. Nationally, more than 900 engineering alumni serve as presidents, CEOs, vice presidents, owners or partners in their corporations. Two UK graduates were among 76 new members elected to the National Academy of Engineering in 2006. Five UK graduates are now members of NAE.

Another College of Engineering student was awarded a National Science Foundation Graduate Fellowship in 2006. In the last 10 years, 20 students or graduates of the College of Engineering have won NSF Graduate Fellowships. That's more than half of the total won by UK students during that period.

The total number of undergraduate women enrolled in the College is 244, exceeding 13 percent of the undergraduate student population. The College is committed to increasing that number to 20 percent. Thirty percent of advanced degrees now go to women.

Minority enrollment now stands at 3.2% percent. The College is committed to increasing the percentage of minorities studying engineering and computer science to eight percent.

The College attracts the most outstanding student body of any undergraduate program in the Commonwealth. The 2006 freshman class compiled an average mathematics score of 28 on the ACT. Approximately one quarter of the National Merit Scholars enrolling at UK select engineering for their professional future. UK ranks among the top 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 \$6 million to the College in 2006. This amount is part of the \$92 million already given as part of the College's \$100 million goal representing its portion of the University of Kentucky's capital campaign.

UK students ranked among the top five engineering cooperative education students in the nation at the annual Conference for Industry and Education Collaboration in 2005 and 2006. They were honored by the Cooperative Education Division of the American Society for Engineering Education (ASEE). UK's engineering co-op program has been well represented in the rankings over the last decade, with two UK students earning the number one ranking.

The College's 27 engineering student organizations continue to earn national recognition in competition against groups from other universities. The UK student chapters of the American Institute of Chemical Engineers in Lexington and Paducah were among outstanding chapters in the nation, an honor that goes to no more than 10 percent of chapters. It was the 21st consecutive year in which the Lexington chapter has been so recognized. The Paducah chapter has received national honors in all five years of its existence.

The Engineering Student Council, Society of Women Engineers, Society of Mining Engineers and American Society of Agricultural Engineers have also earned national honors as outstanding chapters. UK chapters of the American Society of Mechanical Engineers, Institute of Electrical and Electronic Engineers, American Society of Civil Engineers, Association for Computing Machinery and Society of Women Engineers have all won regional or national technical competitions.

The College endowment has grown to more than \$62 million through the generosity of its alumni, friends and corporate partners. Proceeds from the endowment, annual gifts and institutional funds provide more than \$2.3 million annually for undergraduate scholarships. More than \$4 million is spent each year in support of graduate assistantships and fellowships.

The College includes nine centers and consortia, including the Center for Aluminum Technology, Center for Nanoscale Science and Engineering, UK Center for Manufacturing, Center for Visualization and Virtual Environments, Consortium for Fossil Fuel Science, Electron Microscopy Center, Kentucky Transportation Center, Painting Technology Consortium and the Vibro-Acoustics Consortium. The College is also affiliated with the Advanced Science and Technology Commercialization Center, the Center for Applied Energy Research, Center for Biomedical Engineering, Kentucky Water Resources Research Institute, the Tracy Farmer Center for the Environment and the Laboratory for Advanced Networking.

The Commonwealth of Kentucky has invested more than \$100 million in new facilities over the past 10 years to house and equip academic, research and service programs in the College of Engineering. The engineering complex at the University of Kentucky is equal to any in the United States.



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