



*The University of Kentucky College of Engineering is the Commonwealth's largest and most comprehensive engineering institution. Since conferring its 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 efforts to lead the Commonwealth in the 21<sup>st</sup> century. Over 300 faculty and staff 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 position among the top 100 engineering schools in the United States.*

## *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 30 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's engineering programs are the only ones in Kentucky ranked among the nation's best by U.S. News and World Report. The College was ranked among the top 60 graduate programs at public institutions. The civil, electrical and mechanical engineering graduate programs have likewise been ranked among the top 60 in their respective disciplines.

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.

College of Engineering students excel in national competitions. During the last three years alone, UK engineering students have been awarded Goldwater, Beckman, Astronaut and Gates Cambridge Scholarships.

The total number of women enrolled in the College is 376, exceeding 16 percent of the undergraduate student population. Women earned nearly 17 percent of the more than 600 degrees awarded last year by the College of Engineering. Minority enrollment now stands at 3.2 percent.

The College of Engineering has a number of academic support programs, including peer tutoring in the Oliver and Anne Raymond Student Commons, to support the academic success of its student body.

The College attracts the most outstanding student body of any undergraduate program in the Commonwealth. The 2007 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.

Alumni, friends, corporations, foundations and trusts contributed more than \$6 million to the College in 2007. This amount is part of the \$97 million contributed as the College's portion of the \$1 billion capital campaign that concluded in 2007.

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 22nd consecutive year in which the Lexington chapter has been so recognized. The Paducah chapter has received national honors in all six 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 \$65 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, Institute of Research for Technology Development (IR4TD, which includes the Painting Technology Consortium), Kentucky Transportation Center 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 \$110 million in new facilities over the past two decades to house and equip academic, research and service programs in the College of Engineering. The engineering facilities at the University of Kentucky are equal to any in the United States.*



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