



The Department of Chemical and Materials Engineering in the University of Kentucky College of Engineering offers separate graduate programs leading to M.S. and Ph.D. degrees in both chemical engineering and materials engineering. The combination of these disciplines in a single department fosters collaboration among faculty and a strong interdisciplinary environment. Our faculty and graduate students pursue research projects that encompass a broad range of chemical engineering endeavor, and that include interactions with researchers in agriculture, chemistry, medicine and pharmacy.

KEY RESEARCH AREAS

ADVANCED SEPARATIONS
ALTERNATIVE ENERGY AND SUSTAINABILITY
BIOMATERIALS
BIOPHARMACEUTICAL ENGINEERING
DRUG DELIVERY
ENERGY MATERIALS
ENVIRONMENTAL ENGINEERING
INTERFACIAL ENGINEERING
MATERIALS SYNTHESIS
NANOMATERIALS
POLYMERS AND MEMBRANES

DIRECTOR OF GRADUATE STUDIES

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CHEMICAL ENGINEERING FACULTY

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K. ANDERSON Carnegie-Mellon University
R. ANDREWS University of Kentucky
B. BERRON Vanderbilt University
D. BHATTACHARYYA Illinois Institute of Technology
T. DZIUBLA Drexel University
D. ENGLERT Texas A&M University
I. ESCOBAR University of Central Florida
E. GRULKE Ohio State University
J. Z. HILT University of Texas
H. HWANG University of Southern California
B. KNUTSON Georgia Institute of Technology
G. LAMAS-SAMANAMUD University of Texas—San Antonio
D. PACK California Institute of Technology
S. RANKIN University of Minnesota
J. SEAY Auburn University
Q. SHAO University of Washington
D. SILVERSTEIN Vanderbilt University
T. TSANG University of Texas
S. WILSON University of Massachusetts

MATERIALS ENGINEERING FACULTY

T. J. BALK Johns Hopkins University
M. BECK Northwestern University
R. BUCHHEIT University of Virginia
Y. T. CHENG California Institute of Technology
T. COCHELL University of Texas
J. PHAM University of Massachusetts
F. YANG University of Rochester
T. ZHAI University of Oxford