

Departmental Information

Department of Chemical and
Biomolecular Engineering
419 Dougherty Engineering Building
The University of Tennessee
Knoxville, TN 37996-2200
Phone: (865) 974-2421
Fax: (865) 974-7076
E-mail: che@utk.edu
Online: www.che.utk.edu

Financial Support

The HOPE Scholarship Program provides financial support to qualified high school students from Tennessee who wish to attend an in-state university. » www.collegepaystn.com

The ChE department offers a generous undergraduate scholarship program. » www.che.utk.edu

The college and the university also offer a number of scholarship opportunities. » web.utk.edu/~finaid and
» www.engr.utk.edu/futurestudents/aid.html

The college provides special scholarships and support programs to minority students:

- The **Diversity Engineering Scholarship Program (DESP)**
» www.engr.utk.edu/desp
- The **Office of Engineering Diversity Programs (EDP)**
» www.engr.utk.edu/edp
- The **Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP)** » www.engr.utk.edu/tlsamp

The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap or veteran status in provision of educational opportunities or employment opportunities and benefits.

UT does not discriminate on the basis of sex or handicap in its educational programs and activities pursuant to requirements of Title IX of the Education Amendments of 1972, Public Law 92-318; and Section 504 of the Rehabilitation Act of 1973, Public Law 93-112; and the Americans with Disabilities Act of 1990, Public Law 101-336, respectively. This policy extends to both employment by and admission to the university.

Inquiries concerning Title IX, Section 504, and the Americans with Disabilities Act of 1990 should be directed to the Office of Equity and Diversity, 1840 Melrose Avenue; The University of Tennessee; Knoxville, Tennessee 37996-0144; (865) 974-2498. Charges of violation of the above policy also should be directed to the Office of Equity and Diversity.

THE UNIVERSITY of TENNESSEE



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College of Engineering

chemical and biomolecular engineering

GUIDE FOR PROSPECTIVE STUDENTS



A Message from the Department Head

We appreciate your interest in the University of Tennessee's Department of Chemical and Biomolecular Engineering. Our undergraduate program has been continuously accredited by the American Board of Engineering and Technology (ABET) since 1939, making it one of the four oldest accredited chemical engineering programs in the South.

Our goal is to contribute to meeting global challenges in health, environment, energy, security and economic prosperity by educating students for leadership roles in critical technologies. To accomplish this objective, we have established an unsurpassed teaching and research environment through innovative partnerships with other disciplines at UT, such as medicine, the sciences and business, as well as nearby industries and the Oak Ridge National Laboratory.

The department, with its diverse student body (32% female and 22% minority) and superb interdisciplinary program, provides the ideal setting to prepare you for a successful career in a global and increasingly technological society. We continuously strive to graduate leaders and innovators, not just highly skilled specialists.

Best wishes for your future,
Dr. Bamin Khomami, Armour T. Granger and
Alvin & Sally Beaman Professor and Head



What is Chemical Engineering?

Chemical and biomolecular engineers use their basic understanding of physical, chemical and biological processes in combination with molecular information and discovery to develop new processes and products that are not only essential in everyday life, but also are critical to the advancement of human health and development and the improvement of environmental conditions.

As a chemical and biomolecular engineering student, you will be trained to:

- Understand the basic principles of science and engineering that provide the foundation for modern chemical and biological technology
- Maintain awareness of environmental safety within the social and economic context of your profession
- Become committed to ethical practice in your profession
- Recognize that lifelong learning is essential for prolonged superior performance in your profession

As a graduate of the chemical and biomolecular engineering program, you will have a broad foundation for career opportunities in many critical technologies, including:

- **Biotechnology**—genetic engineering, pharmaceuticals, medical devices
- **Electronics**—chip manufacture, semiconductors, networking, databases
- **Energy**—petrochemicals, fuel cells, photovoltaic devices
- **Advanced materials**—polymers and textiles, composite materials, ceramics and coatings
- **Food**—agriculture productivity, packaging and preservation, genetic modification
- **Environment**—green processing, aquatic engineering, waste minimization

If you would like specific information on salaries and career opportunities, visit the UT Career Services web site at www.career.utk.edu.



Department Resources

The UT Department of Chemical and Biomolecular Engineering has a highly accomplished and energetic group of professors who have received numerous awards for their contributions to engineering education, including listings in *Who's Who in the World of Science and Engineering*.

Academic Advantages

All UT freshman engineering students are automatically enrolled in the innovative **Engineering Fundamentals Division**. Here you will learn basic engineering concepts and teamwork skills through a series of hands-on projects and activities.

» www.engr.utk.edu/efd



The **Office of Professional Practice** offers opportunities for you to gain hands-on experience in business and industry through paid positions and internships.

» www.coop.utk.edu

The College of Engineering also participates in the **University Honors Program**, which is designed to give academically outstanding students a unique undergraduate experience consisting of special courses, seminars, mentoring and research projects. » honors.utk.edu

The UT **Center for International Education** collaborates with the College of Engineering to create opportunities for engineering studies in other countries. » web.utk.edu/~global

Admissions Information

Application forms are available from:

UT Office of Undergraduate Admissions
320 Student Services Building
Knoxville, TN 37996-0230
Phone: (865) 974-2184
Toll free: (800) 221-8657
Online: » admissions.utk.edu/undergraduate

