College of Engineering

Temple University’s College of Engineering is committed to its students with an emphasis on education that is hands-on and personal. Classes are small and taught by experienced and dedicated faculty. Fostering an environment for the creation of knowledge, the college encourages basic and cross-disciplinary applied research by its faculty and students. Great importance is attached to scholarship, practice, and service aimed at improving the quality of life and the economic viability of our society. These objectives are pursued in a learning environment that celebrates ethnic and gender diversity, respects experience, and encourages problem solving through teamwork.

As part of a research institution, the College of Engineering offers cutting-edge programs that are accredited by the Accreditation Board for Engineering and Technology, Inc. (ABET). The college began as the Evening Technical School in 1936 to accommodate an expanded technical course offering. In 1969, the Board of Trustees approved the formation of the College of Engineering Technology, which was authorized to grant Bachelor of Science degrees in various engineering technology disciplines. In 1986, the college offered the Master of Science in Engineering, its first graduate program.

The mission of the College of Engineering is to provide students with a high-quality, innovative, and globally competitive learning experience in engineering, engineering technology, and the applied sciences. Engineering graduates are educated professionals with the technical, problem-solving, and communication skills required to succeed in the workplace and society. The college has partnerships with some of the area’s leading engineering employers. Our graduates are hired by such companies as Boeing, Lockheed Martin, Metrologic, NASA, PennDot, Pennoni Construction, PGW, Turner Construction, Verizon, and many more.

Programs

Degree Programs

- Bioengineering, M.S.Bioe.
- Bioengineering, Ph.D.
- Civil Engineering, M.S.C.E.
- Civil Engineering, Ph.D.
- Computer and Systems Security, P.S.M.
- Electrical Engineering, M.S.E.E.
- Electrical Engineering, Ph.D.
- Engineering Management, M.S.
- Environmental Engineering, M.S.Env.E.
- Environmental Engineering, Ph.D.
- Mechanical Engineering, M.S.M.E.
- Mechanical Engineering, Ph.D.

Certificates

- Computer and Systems Security
- Engineering Management
- Stormwater Management

Graduate Faculty

Bechara E. Abboud, Associate Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Drexel University.

Fauzia Ahmad, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Pennsylvania.

Li Bai, Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Drexel University.

George Baran, Professor Emeritus, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Michigan.

Evangelia Bellas, Assistant Professor, Department of Bioengineering, College of Engineering; Ph.D., Tufts University.

Saroj K. Biswas, Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Ottawa.

Robert M. Brooks, Associate Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Indian Institute of Technology.

Shih-Jiun Chen, Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Drexel University.
Harsh Deep Chopra, Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Maryland College Park.

Joseph Thomas Coe Jr., Assistant Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., University of California Los Angeles.

Richard S. Cohen, Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Princeton University.

Philip Dames, Assistant Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Pennsylvania.

Kourosh Darvish, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Virginia.

Zdenka J. Delalic, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Pennsylvania.

Dmitriy A. Dikin, Associate Professor (Research), Department of Mechanical Engineering, College of Engineering; Ph.D., National Academy of Sciences of Ukraine, Institute for Low Temperature Physics and Engineering.

Oleksandr Diloyan, Assistant Professor (Teaching/Instructional), Department of Mechanical Engineering, College of Engineering; Ph.D., Donetsk National Technical University.

Liang Du, Assistant Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Georgia Institute of Technology.

Ahmed Faheem, Assistant Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., University of Wisconsin.

Bojana Gligorijevic, Assistant Professor, Department of Bioengineering, College of Engineering; Ph.D., Georgetown University.

John J. Helferty, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Drexel University.

Parsaoran Hutapea, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., North Carolina State University.

Daniel A. Jacobs, Assistant Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Stanford University.

Mehdi Kanzadeh Moradllo, Assistant Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Oklahoma State University.

Mohammad F. Kiani, Assistant Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Louisiana Tech University.

Albert Kim, Assistant Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Purdue University.

Sanghun Kim, Assistant Professor (Teaching/Instructional), Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Syracuse University.

Peter Lelkes, Professor, Department of Bioengineering, College of Engineering; Ph.D., RWTH Aachen University.

Michel Lemay, Professor, Department of Bioengineering, College of Engineering; Ph.D., Case Western Reserve University.

Haijun Liu, Assistant Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Maryland College Park.

Ling Liu, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Columbia University.

Xiaonan Lu, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Maryland College Park.

Erica R. McKenzie, Assistant Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., University of California Davis.

William C. Miller, Associate Professor Emeritus, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., University of Pennsylvania.

Iyad Obeid, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Duke University.

Chetan A. Patil, Assistant Professor (Research), Department of Bioengineering, College of Engineering; Ph.D., Vanderbilt University.

Vallorie J. Peridier, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Lehigh University.

Joseph Picone, Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., Illinois Institute of Technology.

Shriram Pillapakkam, Associate Professor (Teaching/Instructional), Department of Mechanical Engineering, College of Engineering; Ph.D., New Jersey Institute of Technology.
Nancy Pleshko, Professor, Department of Bioengineering, College of Engineering; Ph.D., Rutgers University.

Fei Ren, Assistant Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., Michigan State University.

Avner Ronen, Assistant Professor (Teaching/Instructional), Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Technion - Israel Institute of Technology.

Robert J. Ryan, Associate Professor (Teaching/Instructional), Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Drexel University.

Keyanoush Sadeghipour, Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., University of Manchester Institute of Science and Technology.

Elham Sahraei, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., George Washington University.

Dennis A. Silage, Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Pennsylvania.

Damoon Soudbakhsh, Associate Professor, Department of Mechanical Engineering, College of Engineering; Ph.D., George Washington University.

Andrew Spence, Associate Professor, Department of Bioengineering, College of Engineering; Ph.D., Cornell University.

Rominder Suri, Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Michigan Technological University.

Rouzbeh Tehrani, Assistant Professor (Teaching/Instructional), Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Temple University.

Erkan Tüzel, Associate Professor, Department of Bioengineering, College of Engineering; Ph.D., University of Minnesota.

Philip D. Udo-Inyang, Associate Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., University of Missouri-Columbia.

Felix F. Udoeyo, Assistant Professor (Teaching/Instructional), Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Abubakar Tafawa Balewa University.

Karin Wang, Associate Professor, Department of Bioengineering, College of Engineering; Ph.D., Cornell University.

Chang-Hee Won, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Notre Dame.

Heyang Yuan, Assistant Professor, Department of Civil and Environmental Engineering, College of Engineering; Ph.D., Virginia Polytechnic Institute and State University.

Yimin Daniel Zhang, Associate Professor, Department of Electrical and Computer Engineering, College of Engineering; Ph.D., University of Tsukuba.