

# College of Engineering

---

The University of Texas at El Paso has a long-standing commitment to quality Engineering education. Today, the College of Engineering strives to educate engineers to formulate and solve the technical problems of today and tomorrow.

At the graduate level, the College fulfills its mission by offering graduate degree programs in all of its departments. Master of Science degrees are available in Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, Environmental Engineering, Industrial Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, and Systems Engineering. In addition to these programs, students can pursue an undesignated Master of Science in Engineering, with concentrations in a number of areas; a Master of Engineering degree in Environmental Engineering; or a Master of Science in Information Technology. The College offers a PhD degree in Civil Engineering, a PhD degree in Electrical and Computer Engineering, and a PhD degree in Computer Science. Multi-disciplinary PhD degrees are also awarded in Materials Science and Engineering and Environmental Science and Engineering, and their program descriptions are provided under Interdisciplinary Doctoral Programs.

## Admission Requirements

1. Bachelor's degree from an accredited institution in the United States or proof of equivalent education in a foreign institution.
2. Undergraduate degree in the same or a related field or a minimum of 15 semester hours of upper-division course work in Engineering.
3. Submission of official Graduate Record Examination (GRE) scores.
4. TOEFL score of 550 or higher for international applicants whose first language is not English or who have not completed a university degree in the U.S. or another English-speaking institution.
5. Depending upon selected areas of concentration, students might need to complete deficiencies in undergraduate coursework.

## Dean

Dr. Kenith E. Meissner II  
 Contact Information: kemeissner@utep.edu; 915-747-6917  
 Education: BS, Lehigh University; PhD, University of Arizona

## Associate Dean

Dr. Louis Everett  
 Contact Information: leverett@utep.edu (leverett@utep.edu); 915-747-7987  
 Education: BS, The University of Texas at El Paso; MS, Stanford University; Ph D, Texas A&M University

Dr. Eric MacDonald  
 Contact Information: emac@utep.edu (leverett@utep.edu); 915-747-5913  
 Education: BS, MS, PhD, The University of Texas at Austin

## Aerospace and Mechanical Engineering

### Mechanical Engineering

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/mechanical-engineering/>)

### Programs

#### Master of Science

- M.S. in Aerospace Engineering (<http://catalog.utep.edu/grad/college-of-engineering/mechanical-engineering/aerospace-engineering-ms/>)
- M.S. in Mechanical Engineering (<http://catalog.utep.edu/grad/college-of-engineering/mechanical-engineering/mechanical-engineering-ms/>)

#### Doctor of Philosophy

- Ph.D. in Mechanical Engineering (<http://catalog.utep.edu/grad/college-of-engineering/mechanical-engineering/mechanical-engineering-phd/>)

#### Certificate

- Graduate Certificate in 3D Engineering and Additive Manufacturing (<http://catalog.utep.edu/grad/college-of-engineering/mechanical-engineering/grcertificate-3dam/>)

## Civil Engineering

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/>)

## Programs

### Master of Engineering in Civil and Environmental Engineering

- Master of Engineering in Civil and Environmental Engineering (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/environmental-engineering-master-of-engineering/>)

### Master of Science

- M.S. in Civil Engineering (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/civil-engineering-ms/>)
- M.S. in Construction Management (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/construction-management-ms/>) (offered face-to-face, and also fully on-line)
- M.S. in Environmental Engineering (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/environmental-engineering-ms/>)

### Doctor of Philosophy

- Ph.D. in Civil Engineering (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/civil-engineering-phd/>)

### Certificate

- Graduate Certificate in Construction Management (<http://catalog.utep.edu/grad/college-of-engineering/civil-engineering/construction-management-graduate-certificate/>)

## Computer Science

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/>)

## Programs

### Master of Science

- M.S. in Computer Science (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/computer-science-ms/>)
- M.S. in Artificial Intelligence (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/ms-artificial-intelligence/>)
- M.S. in Software Engineering (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/software-engineering/>)

### Doctor of Philosophy

- Ph.D. in Computer Science (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/computer-science-phd/>)

### Certificate

- Graduate Certificate in Cyber Security (<http://catalog.utep.edu/grad/college-of-engineering/computer-science/cyber-security-graduate-certificate/>)

## Electrical and Computer Engineering

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/electrical-computer-engineering/>)

## Programs

### Master of Science

- M.S. in Computer Engineering (<http://catalog.utep.edu/grad/college-of-engineering/electrical-computer-engineering/computer-engineering-ms/>)
- M.S. in Electrical Engineering (<http://catalog.utep.edu/grad/college-of-engineering/electrical-computer-engineering/electrical-engineering-ms/>)

### Doctor of Philosophy

- Ph.D. in Electrical and Computer Engineering (<http://catalog.utep.edu/grad/college-of-engineering/electrical-computer-engineering/electrical-computer-engineering-phd/>)

### Certificate

- Graduate Certificate in Electric Power and Energy Systems (<http://catalog.utep.edu/grad/college-of-engineering/electrical-computer-engineering/electric-power-energy-systems-graduate-certificate/>)

## Engineering Education & Leadership

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/engineering-education-leadership/>)

### Master of Science

- M.S. in Integrated Engineering (<http://catalog.utep.edu/grad/college-of-engineering/engineering-education-leadership/engineering-ms/>)

#### Certificate

- Graduate Certificate in Engineering Education (<http://catalog.utep.edu/grad/college-of-engineering/engineering-education-leadership/engineering-education-graduate-certificate/>)
- Graduate Certificate in Innovation and Entrepreneurship (<http://catalog.utep.edu/grad/college-of-engineering/engineering-education-leadership/innovation-entrepreneurship-graduate-certificate/>)

## Industrial, Manufacturing, and Systems Engineering

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/>)

### Programs

#### Master of Science

- M.S. in Industrial Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/industrial-engineering-ms/>)
- M.S. in Manufacturing Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/manufacturing-engineering-ms/>)
- M.S. in Systems Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/systems-engineering-ms/>) (offered face-to-face, and also fully on-line)

#### Certificate

- Graduate Certificate in Smart Manufacturing (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/smart-manufacturing-graduate-certificate/>)
- Graduate Certificate in Systems Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/systems-engineering-graduate-certificate/>)

## Metallurgical, Materials and Biomedical Engineering

Go to information for this department. (<http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/>)

### Programs

#### Master of Science

- M.S. in Biomedical Engineering (<http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/20biomedical-engineering-ms/>)
- M.S. in Metallurgical and Materials Engineering (<http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/metallurgical-materials-engineering-ms/>)

#### Doctor of Philosophy

- Ph.D. in Biomedical Engineering (<http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/20biomedical-engineering-phd/>)
- Ph.D. in Materials Science and Engineering (Interdisciplinary) (<http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/materials-science-engineering-phd/>)

#### Certificate

- Graduate Certificate in Nanotechnology in Materials Development ([http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/grad\\_cert\\_nanotechnology\\_materials\\_development/](http://catalog.utep.edu/grad/college-of-engineering/metallurgical-materials-engineering/grad_cert_nanotechnology_materials_development/))

## College of Engineering

The University of Texas at El Paso  
Engineering Building Room A-148  
500 W University  
El Paso, Texas 79968

Email: [engineer@utep.edu](mailto:engineer@utep.edu)

Phone: 915.747.6444

Fax: 915.747.5437

Visit College Website (<https://www.utep.edu/engineering/>)