

SCHOOL OF ENGINEERING

Leadership

Gary Bledsoe, Ph.D.

School of Engineering Director

Chris Carroll, Ph.D., P.E.

Civil Engineering Program Coordinator

Sanjay Jayaram, Ph.D.

Aerospace Engineering Program Coordinator

Mark McQuilling, Ph.D.

Mechanical Engineering Program Coordinator

Kyle Mitchell, Ph.D.

Electrical & Computer Engineering Program Coordinator

Scott Sell, Ph.D.

Biomedical Engineering Program Coordinator

Michael Swartwout, Ph.D.

Engineering Science Program Coordinator

Undergraduate Overview

The undergraduate engineering programs at Parks College of Engineering, Aviation and Technology are designed to give students hands-on, real-world training for an engineering or science-based career. Students interact with faculty in the classroom, the research lab or during group projects in a way that helps the student build confidence and apply their skills in more challenging ways.

Parks College offers undergraduate degree programs in:

- Aerospace engineering
- Biomedical engineering
- Civil engineering
- Computer engineering
- Electrical engineering
- Engineering physics
- Mechanical engineering
- Physics

Graduate Overview

The graduate programs in engineering at Saint Louis University's Parks College of Engineering, Aviation and Technology provide students with the depth of knowledge necessary to pursue advanced academic or industrial work in a modern, ever-changing world. Students learn enhanced analytical skills through an in-depth understanding of major theoretical and practical concepts, written and oral communication skills as applied to technical areas, and the critical and creative thinking skills required to conduct state-of-the-art research.

Parks College offers a Master of Science in Engineering and a Doctor of Philosophy in Engineering in the following disciplines:

- Aerospace engineering
- Mechanical engineering
- Biomedical engineering
- Civil engineering
- Electrical & Computer engineering (M.S. Non-Thesis only)
- Engineering physics (M.S. only)

Accreditation

The aerospace engineering, biomedical engineering, civil engineering, computer engineering, electrical engineering, engineering physics and mechanical engineering undergraduate curricula are accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<https://www.abet.org>).

Programs

Undergraduate

- Aerospace Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/aerospace-engineering-bs/>)
- Aerospace Engineering, Minor (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/aerospace-engineering-minor/>)
- Biomedical Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/biomedical-engineering-bs/>)
- Biomedical Engineering, Minor (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/biomedical-engineering-minor/>)
- Civil Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/civil-engineering-bs/>)
- Computer Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/computer-engineering-bs/>)
- Electrical Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/electrical-engineering-bs/>)
- Engineering Bachelors to Engineering, M.S. Accelerated Program (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/accelerated-bachelors-masters/>)
- Mechanical Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/mechanical-engineering-bs/>)
- Mechanical Engineering, Minor (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/mechanical-engineering-minor/>)

Graduate

- Engineering, M.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/engineering-ms/>)
- Engineering, Ph.D. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/engineering-phd/>)

Faculty

Craig Adams, Ph.D.

Theodosios Alexander, Sc.D.

Richard Andres, Ph.D., Emeritus

Patricia Benoy, Ph.D., Emeritus

Gary Bledsoe, Ph.D.

Chris Carroll, Ph.D.

Natasha Case, Ph.D.

Sridhar Condoor, Ph.D.

Marta Cooperstein, Ph.D.

Amanda Cox, Ph.D.

William Ebel, Ph.D.

Yan Gai, Ph.D.
Koyal Garg, Ph.D.
Roobik Gharabagi, Ph.D.
John George, Ph.D., Emeritus
Jenna Gorlewicz, Ph.D.
Srikanth Gururajan, Ph.D.
Andrew Hall, D.Sc.
Riyadh Hindi, Ph.D.
Sanjay Jayaram, Ph.D.
Swami Karunamoorthy, Ph.D., Emeritus
Armineh Khalili
Jalil Kianfar, Ph.D.
Ray LeBeau, Ph.D.
Chi Hou Lei, Ph.D.
Ronaldo Luna, Ph.D.
Jeff Ma, Ph.D.
Huliyar Mallikarjuna, Ph.D.
Mark McQuilling, Ph.D.
Kyle Mitchell, Ph.D.
Habib Rahman, Ph.D.
K. Ravindra, Ph.D.
Michelle Sabick, Ph.D.
Scott Sell, Ph.D.
Michael Swartwout, Ph.D.
Cecil Thomas, Ph.D., Emeritus
Silviya Zustiak, Ph.D.