

Education: Parks College

Introduction

Our Vision: Grounded by value-centered research, instruction, and service, Parks College of Engineering and Aviation at Saint Louis University seeks to become the leading college of aviation, engineering, and science where theory and ethical practice foster excellence.

Our Mission: Parks College of Engineering and Aviation at Saint Louis University strives to cultivate practitioners, leaders, and thinkers in aviation, engineering, and science by disseminating and integrating values, knowledge and skills in the pursuit of truth.



The College's five departments offer a variety of degrees and cross-disciplinary programs, minors, and certificate options.

Bachelor of Science Programs

The programs are designed to provide career opportunities in any number of fields and will help you to fine-tune your skills, so that you can step into your profession with the knowledge and confidence needed to perform at the highest level.

[Aerospace Engineering](#)

[Aerospace and Mechanical Engineering \(dual degree\)](#)

[Aviation Management](#)

[Biomedical Engineering](#)

[Civil Engineering](#)

[Computer Engineering](#)

[Electrical Engineering](#)

[Electrical Engineering -- Bioelectronics \(engineering or pre-med emphasis\)](#)

[Engineering Physics](#)

[Flight Science/Professional Piloting](#)

[Interdisciplinary Engineering](#)

[Mechanical Engineering](#)

[Physics](#)

At Civil Air Patrol, the volunteer auxiliary of the U.S. Air Force, we're helping develop tomorrow's aerospace workforce.

Study Abroad at the Saint Louis University Madrid Campus

Study engineering for two years in Madrid, Spain and two years at the Saint Louis University campus. This program provides students with the opportunity to distinguish themselves in their profession upon graduation by studying and learning Spanish, a language of increasing demand in the industrial field in the United States and elsewhere.

[Click here to learn more about Engineering Across Continents.](#)

Aviation Science Programs of Study

The aviation science department offers Bachelor of Science degrees in flight and on the business side of aviation.

In addition to providing students with a full repertoire of foundational and advanced courses in flight science and aviation management, the required curriculum ensures the breadth of your undergraduate experience with the traditional SLU core and additional credits of earned electives.



The Department of Aviation Science offers degrees in the following areas:

- B.S. in Flight Science
- B.S. in Aviation Management

The department also offers minors in the following areas:

- Air traffic control
- Flight education

Aerospace & Mechanical Engineering

Design aircraft, or explore the universe in aerospace engineering. Work in a highly multi-disciplinary field, working with all facets of machines and designs in mechanical engineering.

Aerospace Engineering

From super-efficient subsonic jet liners to a trans-atmospheric aircraft that can fly into orbit, aerospace engineers create new technologies in commercial aviation, defense systems, and space exploration. An aerospace engineering major at SLU provides a challenging technical education with a strong emphasis on understanding complex systems.

It launches your career with easy access to a sophisticated computer-aided design laboratory, wind tunnels, a water tunnel, a structures laboratory, and a reconfigurable engineering flight simulator. In addition, the practice of design skills is carefully integrated into the majority of the engineering courses. The design experience culminates in a sequence of two capstone design courses during the senior year.

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Mechanical Engineering

Mechanical Engineering is a broad and challenging engineering program. Mechanical engineers create products and systems ranging from consumer products to automated processes that are essential to our society.

A mechanical engineering education at SLU provides a unique, intellectually challenging, hands-on curriculum that integrates a broad-based technical knowledge with tangible skills. The students learn the principles of solid modeling during the first two semesters of study. Thereafter, they study creative problem-solving, design and product realization.

Laboratory experiences in fluid dynamics, thermodynamics, machine shop, wind tunnels, water tunnel and mechatronics labs complement lectures.

Minors and Certificate Programs

Parks students have pursued minors in Biology, Mathematics, Engineering Mathematics, Business Administration, Music, and Spanish, and have earned double majors in Biology, Chemistry, and Mathematics (among others). If you would like to combine your Parks degree with other certification, your advisor will assist you in working up a plan.

At Parks College:

[Air Traffic Control](#)

[Aerospace Engineering](#)

[Biomedical Engineering](#)

[Flight Education](#)

[Flight Science](#)

[Mechanical Engineering](#)

At the School of Arts and Sciences:

[Applied Mathematics](#)

[Computer Science](#)

[Engineering Mathematics](#)

Links to more Information click below:

<http://parks.slu.edu/>

Courtesy: [Parks College] (Saint Louis University, MO)



Missouri

PARKS AIR COLLEGE

Complete flying and ground courses under licensed transport pilots. New Travel Airs with OX5, Whirlwind, and Caminez motors. Send for free copy of "Skyward Ho!" our profusely illustrated catalog.

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St. Louis. Mo.

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