SAINT LOUIS UNIVERSITY™

ENGINEERING PHYSICS

+ Parks College of Engineering, Aviation and Technology

DEGREE(S)

+ Bachelor of Science (B.S.) in engineering physics

ABOUT THE FACULTY

The low student-to-faculty ratio allows our world-class faculty to inspire our students, feed their curiosity, awaken their minds and instill in them the joy of lifelong learning.

PROGRAM OVERVIEW

Engineering physics is an academic program accredited by the Engineering Accreditation Commission of ABET. This academic program prepares students for careers in technology research and development that requires more physics than found in traditional engineering programs along with enhanced analytical, computational and laboratory skills.

The program is designed for those students who have a strong interest in physics combined with the desire to acquire the skills and perspective of the engineering realm. A goal of the program is to prepare students to apply the principles and problem-solving approaches of physics to the solution of engineering problems at the forefront of science and technology.

This program is ideally suited for those students who have an interest in and aptitude for both physics and engineering. Students completing this program combine the physics education of our traditional B.S. degree with a concentration in one of the engineering areas offered at Parks College.

These engineering concentration areas include:
+ Aerospace
+ Biomedical
+ Computer
+ Electrical
+ Interdisciplinary
+ Mechanical

CURRICULUM

The curriculum satisfies the requirements for a minor in engineering mathematics and has essentially the same physics content as our traditional B.S. degree.

Students may select a concentration in aerospace, biomedical, computer, electrical or mechanical engineering, or choose the interdisciplinary option, which gives students the opportunity to explore various engineering disciplines while developing a firm foundation in chemistry, biology and mathematics as well as in physics and engineering. Each student completes a senior design project, typically as a member of a multidisciplinary team.

ADMISSION.SLU.EDU

OFFICE OF ADMISSION, ONE NORTH GRAND BLVD., ST. LOUIS, MO 63103
(800) SLU-FOR-U • (314) 977-2500 • admitme@slu.edu • www.slu.edu • beabilliken.com

Contact

Parks College of Engineering, Aviation and Technology
314-977-8203
parks@slu.edu

Graduate Programs

For a full listing of graduate programs, visit graduate.slu.edu.

Revised July 2017

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ADMISSION REQUIREMENTS

In addition to the general admission and matriculation requirements of the University, Parks College engineering programs have the following additional requirements:

+ GPA: Minimum cumulative 3.00 high school GPA for freshmen applicants and 2.70 college GPA for transfer applicants.
+ ACT/SAT: ACT composite score of 24 or higher, or SAT composite score of 1100 or higher. ACT sub scores minimums of 22 in English, 24 in Mathematics, 22 in Reading Comprehension and 22 in Scientific Reasoning, or SAT Math sub score of 600.
+ Coursework: Fifteen total units of high school work are required: three or four units of English; four or more units of mathematics including algebra I and II, geometry and precalculus; three or four units of science including general science, introduction to physical science, earth science, biology, physics or chemistry; two or three units of social sciences including history, psychology or sociology; and three units of electives.

WHY CHOOSE THIS PROGRAM?

+ Students completing this program combine the physics education of our traditional bachelors' degree with a concentration in one of the engineering areas offered at SLU.
+ An interdisciplinary option gives students the opportunity to explore various engineering fields before choosing a focus area.
+ The curriculum satisfies the requirements for a minor in engineering mathematics.

Benefits of the engineering physics program also include several internship and career opportunities. Parks College of Engineering, Aviation and Technology offers comprehensive assistance throughout the internship and cooperative education process. Our online job and internship database contains approximately 380 employers and more than 500 contacts within industries that employ Parks College students.

Students will find individual attention with the help of two career services professionals (a part-time career counselor and a full-time internship and cooperative education coordinator), guidance throughout the process from resume writing to accepting the offer, 24-hour access to internship and cooperative education opportunity listings, academic assistance and personal support during the experience.

SCHOLARSHIPS AND FINANCIAL AID

There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by Oct. 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

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