

ENGINEERING AND MATHEMATICS

SAINT LOUIS UNIVERSITY MADRID

DEGREE(S)

2 years in Madrid + 2 year in St. Louis
+ B.S. in Aerospace Engineering
+ B.S. in Computer Engineering
+ B.S. in Electrical Engineering
+ B.S. in Biomedical Engineering
+ B.A. or B.S. in Mathematics

2 years in Madrid + 1 year in St. Louis + 2 years at Washington University, St. Louis
+ B.A. in Chemistry + B.S. in Chemical Engineering
+ Minors in Mathematics and Engineering

PROGRAM OVERVIEW

Students can begin the mathematics and engineering programs at the Madrid Campus and then transfer to the St. Louis campus to finish the degree.

Engineering programs are offered through the School of Sciences and Engineering in St. Louis. The mathematics programs are offered through the College of Arts and Science in St. Louis.

CURRICULUM

Engineering courses offered at SLU-Madrid:
+ Introduction to Aeronautics and Astronautics
+ Performance
+ Materials Science
+ Introduction to Electrical and Computer Engineering
+ Introduction to Electrical Engineering + Lab
+ Electrical and Computer Engineering
+ Electrical Circuits I
+ Electrical Circuits II + Lab
+ Digital Design + Lab
+ Computer Architecture and Organization
+ Freshman Engineering I
+ Computer-Aided Design
+ Statics
+ Dynamics
+ Thermodynamics
+ Foundation to Engineering Design
+ Applied Thermodynamics
+ Mechanics of Solids
+ Linear Vibrations
+ Fluid Dynamics
+ Analysis and Control of Linear Systems

Mathematics courses offered at SLU-Madrid:
+ Intermediate Algebra
+ College Algebra
+ Finite Mathematics
+ Survey of Calculus
+ Pre-Calculus
+ Calculus I
+ Calculus II
+ Discrete Mathematics
+ Calculus III
+ Principles of Mathematics
+ Linear Algebra for Engineers
+ Advanced Mathematics for Engineers
+ Differential Equations I
+ Foundation of Statistics

SLU.EDU/MADRID

Office of Admissions /// Avenida del Valle 34 /// Madrid, Spain 28003
Phone (+34) 91 554 5858 /// admissions-madrid@slu.edu /// www.slu.edu/madrid

Contact

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Learn More For course listings and more information about our faculty, visit
<https://www.slu.edu/madrid/academics/departments/science-engineering/engineering-aviation-technology.php>
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WHY CHOOSE THIS PROGRAM?

Engineers belong to the profession that is responsible for almost everything from leisure activities to medical treatment, mobile communication to modern transport systems.

Engineering degrees can lead to a vast number of career opportunities, with graduates in high demand in almost every sector of the economy. Within each engineering field, there are opportunities in research, design, development and testing, as well as management, production, marketing and sales. A degree in engineering can also provide a passport into the world of education.

Mathematics reveals hidden patterns that help us understand the world around us. Mathematics today is a diverse discipline that deals with data, measurements and observations from science. Mathematics models natural phenomena, human behavior and social systems.

ADMISSION REQUIREMENTS

- + Online application form // Common Application
- + 2 letters of recommendation (encouraged)
- + Curriculum vitae/résumé (encouraged)

First-year Students:

- + Secondary school academic transcripts
- + University entrance exam scores (SAT/ACT, IB diploma, A-levels, PAU/Selectividad, etc.)

Transfer Students:

- + College transcript(s)
- + Proof of high school graduation

Non-native English speakers must submit an official English exam (TOEFL or IELTS).

Detailed information is available on our website.

SCHOLARSHIPS AND FINANCIAL AID

SLU-Madrid is committed to supporting students—and their families—who choose to invest in themselves and their future by studying at the Madrid Campus. Each student, from any state in the U.S., any region in Spain, or any country in the world, is eligible for University-funded aid. Scholarship/financial aid programs available include:

- + Merit Scholarships
- + Grants and Loans
- + Departmental Support Scholarships
- + Jesuit High School Award
- + Catholic High School Award
- + Madrid Campus Antiguos Alumnos Award
- + Family Award

For more information: financialaid-madrid@slu.edu

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Learn More For course listings and more information about our faculty, visit
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