# **COMPUTER ENGINEERING, B.S.**

In Saint Louis University's School of Science and Engineering, we have developed a unique, hands-on computer engineering program that incorporates analysis, design and development of computer systems containing hardware and software components.

As a student in the computer engineering program at SLU, you will gain a solid foundation through a combination of coursework and hands-on learning. You will use computing theory and tools to design solutions for today's technology-based devices and systems, analyze and design microcontroller-based computing hardware, and produce embedded systems that go into robots, unmanned aerial vehicles, smart cars, gaming controllers, avionics and autopilots.

With easy access to a sophisticated computer-aided design laboratory and other technological spaces, graduates will have the necessary skills for entry into the profession as productive and effective engineers or to pursue graduate education.

### **Curriculum Overview**

SLU's computer engineering program coursework provides students with both breadth and depth in computer engineering. Students develop the ability to apply their knowledge of mathematics, sciences and computer engineering to find solutions to practical problems. The program also ensures that graduates have an opportunity to work on multidisciplinary teams and develop effective communication skills.

In addition to a strong focus on computer skills and computer hardware and software, the program provides a broad design experience that is integrated throughout the program by introducing fundamental elements of the design process in coursework.

SLU's computer engineering program also includes a two-semester design sequence to provide a meaningful and significant engineering design experience that focuses on and prepares students for professional practice.

### **Fieldwork and Research Opportunities**

Benefits of SLU's computer engineering program also include several internship, research and career opportunities. Career Services encourages and assists students in obtaining summer internships with local and global companies.

Undergraduate research opportunities within the college are available during the summer or regular semesters. Undergraduate students are also encouraged to seek opportunities for research with faculty of the program or faculty in other programs.

### Careers

Computer engineers enjoy a variety of career paths spanning industrial or consulting positions. Students in this program are also prepared for graduate school and professional schools such as law, business administration or medicine.

Computer engineering graduates from SLU have found employment at such companies as:

- Amazon
- AT&T
- Boeing
- Citibank
- Department of Defense
- Emerson Electric
- Express Scripts
- Garmin
- General Motors
- Intel
- Rockwell
- Samsung
- SpaceX
- Texas Instruments
- U.S. Air Force

### **Admission Requirements**

Begin Your Application (https://www.slu.edu/apply.php)

Saint Louis University also accepts the Common Application.

#### Freshman

All applications are thoroughly reviewed with the highest degree of individual care and consideration to all credentials that are submitted. Solid academic performance in college preparatory coursework is a primary concern in reviewing a freshman applicant's file.

To be considered for admission to any Saint Louis University undergraduate program, applicants must be graduating from an accredited high school, have an acceptable HiSET exam score or take the General Education Development (GED) test.

#### Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED or HiSET.

Students who have attempted fewer than 24 semester credits (or 30 quarter credits) of college credit must follow the above freshmen admission requirements. Students who have completed 24 or more semester credits (or 30 quarter credits) of college credit must submit transcripts from all previously attended college(s).

In reviewing a transfer applicant's file, the Office of Admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University. Where applicable, transfer students will be evaluated on any courses outlined in the continuation standards of their preferred major.

#### **International Applicants**

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency (https://catalog.slu.edu/ academic-policies/office-admission/undergraduate/englishlanguage-proficiency/)
- All academic records must include an English translation. An official course-by-course transcript evaluation may be required and accepted.

## **Additional Admission Requirements**

In addition to the general admission and matriculation requirements of Saint Louis University, applicants to SLU's engineering programs must meet the following requirements:

- **GPA**: Minimum cumulative 3.00 high school GPA for freshmen applicants and 2.70 college GPA for transfer applicants.
- **Coursework**: Strong applicants will have 15 total units of high school work, including three or four units of English; four or more units of mathematics, including algebra I and II, geometry and precalculus (Algebra II with Trigonometry is not sufficient).

Admission to the School of Science and Engineering's degree programs is based on a combination of secondary school grades, college admission test scores, co-curricular activities and attempted college coursework, as well as other indicators of the applicant's ability, career focus and character. This process respects the non-discrimination policy of the University and is designed to select a qualified, competent and diverse student body with high standards of scholarship and character, consistent with the mission of the University.

## Tuition

Tuition/Fee Undergraduate Tuition

Cost Per Year \$56,960

Additional charges may apply. Other resources are listed below:

Net Price Calculator (https://www.slu.edu/financial-aid/tuition-and-costs/ calculator.php)

Information on Tuition and Fees (https://catalog.slu.edu/academic-policies/student-financial-services/tuition/)

Miscellaneous Fees (https://catalog.slu.edu/academic-policies/student-financial-services/fees/)

Information on Summer Tuition (https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/)

## **Scholarships and Financial Aid**

There are two principal ways to help finance a Saint Louis University education:

- Scholarships: Scholarships are awarded based on academic achievement, service, leadership and financial need.
- **Financial Aid:** Financial aid is provided through grants and loans, some of which require repayment.

Saint Louis University makes every effort to keep our education affordable. In fiscal year 2023, 99% of first-time freshmen and 92% of all students received financial aid (https://www.slu.edu/financial-aid/) and students received more than \$459 million in aid University-wide.

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

For more information on scholarships and financial aid, visit the Office of Student Financial Services (https://www.slu.edu/financial-aid/).

## Accreditation

The Computer Engineering, B.S. is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http:// www.abet.org/), under the commission's General Criteria and Program Criteria for Electrical, Computer, Communications, Telecommunication(s), and Similarly Named Engineering Programs.

### **Learning Outcomes**

The Computer Engineering, B.S. is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http:// www.abet.org/), under the commission's General Criteria and Program Criteria for Electrical, Computer, Communications, Telecommunication(s), and Similarly Named Engineering Programs.

## **Program Educational Objectives**

The undergraduate program is designed to meet the following specific objectives in order to fulfill the departmental and institutional missions.

- Our graduates will have acquired advanced degrees or are engaged in advanced study in engineering, business, law, medicine or other appropriate fields.
- Our graduates will have established themselves as practicing engineers in electrical, computer or related engineering fields.
- Our graduates will be filling the technical needs of society by solving engineering problems using electrical or computer engineering principles, tools and practices.

#### **Student Outcomes**

Student outcomes are defined by ABET as the skills that graduates will attain at the time of graduation. Student outcomes are listed below:

- 1. Identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics.
- 2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental and economic factors.
- 3. Communicate effectively with a range of audiences.
- 4. Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
- 5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- 6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- 7. Acquire and apply new knowledge as needed, using appropriate learning strategies.

### Requirements

Code	Title	Credits
University Undergraduate Core (https://catalog.slu.edu/ academic-policies/academic-policies-procedures/university- core/)		32-35
Basic Engineeri	ng and Communication	
SE 1700	Engineering Fundamentals	2

ECE 1001	Introduction to Electrical and Computer Engineering I	1
ENGL 1920	Advanced Writing for Professionals	3
Basic Science and	•	
CHEM 1110	General Chemistry 1	4
& CHEM 1115	and General Chemistry 1 Laboratory	
PHYS 1610	University Physics I	4
& PHYS 1620	and University Physics I Laboratory	
PHYS 1630	University Physics II	4
& PHYS 1640	and University Physics II Laboratory	
MATH 1660	Discrete Mathematics	3
MATH 1510	Calculus I	4
MATH 1520	Calculus II	4
MATH 2530	Calculus III	4
MATH 3110	Linear Algebra for Engineers	3
MATH 3550	Differential Equations	3
ECE 3052	Probability and Random Variables for	3
	Engineers	
<b>Computer Science</b>		
CSCI 1300	Introduction to Object-Oriented	4
	Programming	
CSCI 2100	Data Structures	4
CSCI 2300	Object-Oriented Software Design	3
CSCI 2510	Principles of Computing Systems	3
<b>Computer Enginee</b>	ring Core	
ECE 1100	Electrical Engineering 101	2
ECE 1200	Computer Engineering 101	2
ECE 2101	Electrical Circuits I	3
ECE 2103	Electrical Circuits Lab	1
ECE 2205	Digital Design	4
& ECE 2206	and Digital Design Lab	
ECE 3205	Advanced Digital Design	3
ECE 3215	Computer Systems Design	4
& ECE 3216	and Computer Systems Design Lab	
ECE 3217	Computer Architecture and Organization	3
ECE 3225	Microprocessors	4
& ECE 3226	and Microprocessors Laboratory	
ECE 3130	Semiconductor Devices	3
ECE 3131	Electronic Circuit Design	4
& ECE 3132	and Electronic Circuit Design Lab	
ECE 3150 & ECE 3151	Linear Systems	4
	and Linear Systems Lab	1
ECE 3090	Junior Design	1
ECE 4245X	Computer Networks	3
ECE 4800	Electrical and Computer Engineering Design I	3
ECE 4810	Electrical and Computer Engineering Design II	3
ECE or CSCI Electiv	ves	6
Students are realist and as offer check with the p	quired to take six (6) credits from an approved ed. A partial list is given below. Please program for a complete list of approved ves cannot be used to satisfy other curriculum	

	ECE 3140	Electromagnetic Fields	
	ECE 4225	Hardware/Software Co-Design	
	ECE 4226	Mobile Robotics	
	ECE 4235	Digital IC Design	
	ECE 4151	Digital Signal Processing	
	CSCI 3100	Algorithms	
	CSCI 3200	Programming Languages	
	CSCI 4710	Databases	
	CSCI 4740	Artificial Intelligence	
	Technical Elective		3
	Select one 3-credi	t course <sup>1</sup>	
I	nternship and Co-op	)	
	5 1	d, students can elect to participate in an ative experience before graduation.	
3	Select from the follo	wing:	0
	ECE 2910	Co-op in Electrical and Computer Engineering	
	ECE 3910	Co-op with Industry	
	ECE 4910	Co-Op with Industry	
	ECE 2915	Internship with Industry	
	ECE 3915	Internship with Industry	
	ECE 4915	Internship with Industry	
	Fotal Credits	Credit Hour Note (https://catalog.slu.edu/ 127-1 academic-policies/academic-policies- procedures/double-counting/)	36

<sup>1</sup> One 3 credit course selected from an approved list in science, mathematics, or engineering, at the 2000-level or higher, or Computer Science at 3000 or higher.

### **Non-Course Requirements**

All School of Science and Engineering B.A. and B.S. students must complete an exit interview/survey near the end of their bachelor's program.

#### **Continuation Standards**

Students must maintain a minimum 2.00 GPA.

### Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
ECE 1001	Introduction to Electrical and Computer Engineering I	1

051300		
SE 1700	Engineering Fundamentals	2
CHEM 1110	General Chemistry 1	4
& CHEM 1115	and General Chemistry 1 Laboratory	
ENGL 1920	Advanced Writing for Professionals <sup>1</sup>	3
MATH 1510	Calculus I	4
ECE 1100	Electrical Engineering 101	2
	Credits	16
Spring		
CSCI 1300	Introduction to Object-Oriented Programming	4
MATH 1660	Discrete Mathematics	3
MATH 1520	Calculus II	4
PHYS 1610 PHYS 1620	University Physics I and University Physics I Laboratory	4
ECE 1200	Computer Engineering 101	2
CORE 2500	Cura Personalis 2: Self in Contemplation	0
	Credits	17
Year Two		
Fall		
LECE 2101	Electrical Circuits I	4
& ECE 2103	and Electrical Circuits Lab	
MATH 2530	Calculus III	4
CORE 1200	Eloquentia Perfecta 2: Oral and Visual	3
	Communication	
PHYS 1630 & PHYS 1640	University Physics II and University Physics II Laboratory	4
	Credits	15
Spring		
CSCI 2100	Data Structures	4
CSCI 2100 ECE 2205	Digital Design	4
CSCI 2100 ECE 2205 & ECE 2206	Digital Design and Digital Design Lab	4
CSCI 2100 ECE 2205	Digital Design and Digital Design Lab Linear Algebra for Engineers	
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations	4
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550	Digital Design and Digital Design Lab Linear Algebra for Engineers	4 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for	4 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers	4 3 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers	4 3 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers <b>Credits</b> Computer Architecture and Organization	4 3 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers <b>Credits</b> Computer Architecture and Organization Semiconductor Devices	4 3 3 3 17 17 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers <b>Credits</b> Computer Architecture and Organization	4 3 3 3 17 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225	Digital Design and Digital Design Lab Linear Algebra for Engineers Differential Equations Probability and Random Variables for Engineers <b>Credits</b> Computer Architecture and Organization Semiconductor Devices Linear Systems and Linear Systems Lab <sup>2</sup> Microprocessors	4 3 3 3 17 17 3 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2	4 3 3 3 7 7 7 3 3 3 4 4
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2Advanced Digital Design	4 3 3 3 17 3 3 4 4 4 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3205	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2	4 3 3 3 7 7 7 3 3 3 4 4
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3205 Spring	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and Organization Semiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2 Advanced Digital DesignCredits	4 3 3 3 7 7 3 3 4 4 4 3 7 7
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3205 Spring CSCI 2510	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems LabMicroprocessors and Microprocessors LaboratoryAdvanced Digital DesignCreditsPrinciples of Computing Systems	4 3 3 3 17 3 3 4 4 3 17 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3225 Spring CSCI 2510 ECE 3090	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2Advanced Digital DesignPrinciples of Computing Systems Junior Design	4 3 3 3 17 3 3 4 4 3 17 3 17
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 <b>Year Three</b> Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3226 ECE 3205 <b>Spring</b> CSCI 2510 ECE 3090 ECE 3131	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems LabMicroprocessors and Microprocessors LaboratoryAdvanced Digital DesignPrinciples of Computing Systems Junior DesignElectronic Circuit Design	4 3 3 3 17 3 3 4 4 3 17 3
CSCI 2100 ECE 2205 & ECE 2206 MATH 3110 MATH 3550 ECE 3052 Year Three Fall ECE 3217 ECE 3130 ! ECE 3150 & ECE 3151 ECE 3225 & ECE 3226 ECE 3225 Spring CSCI 2510 ECE 3090	Digital Design and Digital Design LabLinear Algebra for EngineersDifferential EquationsProbability and Random Variables for EngineersCreditsComputer Architecture and OrganizationSemiconductor DevicesLinear Systems and Linear Systems Lab 2Microprocessors and Microprocessors Laboratory 2Advanced Digital DesignPrinciples of Computing Systems Junior Design	4 3 3 3 17 3 3 4 4 3 17 3 17

CSCI 2300	Object-Oriented Software Design	3
	Credits	15
Year Four		
Fall		
ECE 4800	Electrical and Computer Engineering Design I <sup>4</sup>	3
CORE 1600	Ultimate Questions: Theology	3
ECE/CSCI Electiv	/e <sup>5</sup>	3
CORE 1700	Ultimate Questions: Philosophy	3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences (Dignity, Ethics and a Just	3
	Society, Identities in Context)	
	Credits	15
Spring		
ECE 4810	Electrical and Computer Engineering Design II	3
ECE/CSCI Electiv	/e <sup>5</sup>	3
ECE 4245X	Computer Networks	3
Technical Electiv	/e <sup>3</sup>	3
CORE 4500	Reflection-in-Action	0
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture (Global Interdependence)	3
	Credits	15
	Total Credits	127

Students needing prerequisite work in writing skills as determined by ACT or SAT scores will be required to take ENGL 1500 The Process of Composition (3 cr)

- <sup>2</sup> Prerequisite requirement of computer programming, either CSCI 1060, CSCI 1300, or BME 2000
- <sup>3</sup> Must be selected from CpE Electives or courses in science, math, computer science, or engineering at the 2000 level or higher.

<sup>4</sup> Requires Senior standing (Passed or are taking 6 of ECE 3150, 3130, 3131, 3140, 3225, 3215, and CSCI 2510)

<sup>5</sup> Must be taken from courses with the CpE Electives attribute or approved CSCI courses.

## Madrid

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The program at SLU-Madrid pairs theoretical knowledge with handson practical experience. Students can design solutions for technologybased devices, analyze microcontroller-based hardware, and create innovative embedded systems for diverse applications. Moreover, SLU's holistic approach ensures that students not only delve into the depths of computer engineering but also engage in a comprehensive liberal arts core curriculum. This equips students with critical thinking and communication skills, nurturing their ability to derive meaning from their future careers and life pursuits.

Launch your global engineering career by earning your U.S.-accredited Bachelor of Science in Computer Engineering at Saint Louis University's campus in Madrid.

### **Curriculum Overview**

The computer engineering program at SLU delivers a comprehensive education by emphasizing foundational mathematics and sciences, practical computer skills like programming and software development, and the design, implementation, and optimization of computer hardware and software systems. Through hands-on projects and coursework, students acquire valuable design experience while fostering collaboration within multidisciplinary teams. This approach refines their communication skills, crucial for success in any professional environment. Additionally, the curriculum integrates preparation for professional practice in computer engineering, ensuring graduates are academically equipped and possess the necessary expertise and readiness for successful careers in the field. This degree program also provides excellent preparation for graduate studies.

SLU-Madrid's computer engineering program is offered through SLU's Department of Electrical and Computer Engineering at the School of Science and Engineering in St. Louis, Missouri, USA.

### Faculty

The faculty at Saint Louis University-Madrid are experts in their respective fields. They are internationally recognized teachers, researchers and mentors. Learn about our faculty members (https://www.slu.edu/madrid/academics/faculty/faculty-profiles.php), including their education, credentials, experience and contact information.

## Fieldwork, Internships and Careers

Conduct research and tackle design challenges side-by-side with SLU-Madrid's distinguished engineering faculty in state-of-the-art facilities and labs. Our small class size ensures your engagement in both the how and the what of your learning experience. Additionally, your engineering training is grounded in the U.S. tradition of liberal arts, which, alongside your discipline-specific knowledge and skills, positions you for success in the global job market of the future.

As an engineering student, your internship - during the academic year or in the summer - gives you hands-on experience.

Career opportunities for computer engineers span a wide range of industries and roles. Computer engineers are needed in companies that design and program integrated circuits, circuit boards, embedded and autonomous control, computer systems, and networked distributed systems. Computer engineers are employed in a broad range of industries including semiconductor, computer, web services, telecommunication, automotive, aerospace, robotics, medical, security, media, and consumer electronics.

The computer engineering program of Saint Louis University also prepares students for graduate studies in a broad range of areas, including VLSI design, computer architecture, computer-aided design, robotics, embedded systems, signal and image processing, networking and telecommunications, and parallel and distributed computing.

### Admission

SLU-Madrid Application (https://www.slu.edu/madrid/apply.php)

#### **Application Deadlines**

- May 1 Fall admission (Aug. 1 for EU students)
- · Sept. 1 Spring admission (Dec. 1 for EU students)
- March 1 Summer sessions (for applicants who require a student visa)
- April 15 Summer sessions (for applicants who do not require a student visa)

#### **Contact Us**

Office of Admissions Avenida del Valle, 34 28003 Madrid, Spain P. (+34) 91 554 58 58 admissions-madrid@slu.edu **Office Hours:** Mondays through Fridays: 9 a.m. to 6 p.m. (3 p.m. on Fridays from May 15 – Sept. 1)

## **Tuition and Fees**

SLU-Madrid is committed to providing a quality Jesuit education at an affordable price. Tuition rates at the Madrid campus are approximately 40% lower than at comparable private universities in the U.S.

If you have questions or would like to speak with a financial aid officer, email us at financialaid-madrid@slu.edu.

- Tuition and Fees (https://www.slu.edu/madrid/admissions/tuition-fees.php)
- Scholarships and Financial Aid (https://www.slu.edu/madrid/ admissions/scholarships-financial-aid.php)