SJSU’s Concrete Canoe team, made up of over 25 students from seven engineering disciplines, spend a year designing, constructing, finishing and then racing their canoe in the annual competition.
A Unique Learning Environment in the Heart of Silicon Valley

#1

#1 alumni employment at Cisco and Apple
The Davidson College of Engineering is the largest contributor to the Silicon Valley workforce.

$4 million
in research grants to Engineering Faculty and students from National Science Foundation, NASA and private IT industry.

29
Bachelor’s and Master’s Degree Programs in 15 disciplines

65
More than 65 student organizations

31,800
31,800 engineering students have graduated from The Davidson College of Engineering in the last 70 years. 95% of graduates stay, live and work in Silicon Valley

Student Enrollment
The Davidson College of Engineering is one of the largest engineering programs in California (2022).

7,400 Students enrolled
5,000 Undergraduate students
2,400 Graduate students

20:1 Student / Faculty ratio

Silicon Valley CEOs, founders and SVPs routinely share their experience with students at lunchtime lectures as part of the Silicon Valley Leaders Symposium.

11% growth
249,908 new jobs will be available for engineers with San José being one of the top metropolitan areas for the greatest demand for engineers.* (2023)

Before joining the engineering Faculty at San José State University, Dr. Oh worked as a research scientist at IBM and earned her Ph.D in Materials Science and Engineering from MIT in Cambridge, Massachusetts.

*Credit: Kelly Services

Assistant Professor Dahyun Oh with students in the Energy Materials Lab on campus.
ACCOMPLISHED FACULTY
Our award-winning faculty is committed to each student’s success. With accolades like CAREER Award from National Science Foundation (NSF), Dean’s Service Awards etc., their expertise is recognized in academia and beyond.

LEARN BY DOING
SJSU’s well-rounded curriculum and competitions like Silicon Valley Innovation Challenge, ensure that students are at the forefront of groundbreaking research and innovation and are able to seamlessly transition into leadership and organizational roles.

INDUSTRY PARTNERS
With SJSU students securing internships and job opportunities in Fortune 500 companies, it is uniquely positioned to connect you with the thousands of tech and life sciences firms located in the heart of Silicon Valley.

Engineering Salaries by Degree
Average salaries for Charles Davidson College of Engineering graduates entering professional engineering positions.
Join the Powerhouse of Tech Talent

Top companies that recruit from SJSJ

Cisco
Apple
Google
Meta
IBM
Hewlett Packard
Oracle

Intel
Microsoft
Applied Materials
Adobe
Tesla
Ebay
Amazon/AWS

57,000+

SJSU alumni are shaping the future of leading Silicon Valley companies
SJSU Engineers are the most highly valued

Make it Big in the Tech World

Massive salary that sets Silicon Valley apart as the leading hub for innovation and growth!


Engineering Student Success Center: ESSC

To ensure a rewarding and successful student experience, Engineering Student Success Center (ESSC) offers resources to empower students from application to graduation, support their academic and personal growth and ensure a seamless transition to college. Whether it’s assisting with:

• undergraduate and graduate tutoring and research advising
• peer advising and counseling
• career advising and mentoring

ESSC is committed to each student’s success!
SpartUp Incubator: Office of Innovation

SJSU’s in-house incubator offers mentorship, real-world connections, and a collaborative ecosystem throughout the startup journey. It guides spartans in:

- How to find and develop ideas
- How to build and test prototypes
- How to scale your startup and find customers
- How to pitch to investors and idea, plan, prototype, raise funds etc.

On May 5th, Spart-up Innovation hosted 18 of the 23 California State University campuses at the Sun-Stone CSU Start-up Launch Competition and SJSU students secured one of the top places.

Silicon Valley Innovation Challenge (SVIC)

Judged by Silicon Valley industry experts and venture capitalists, this annual business plan competition nurtures students and entrepreneurs.

It provides them with hands-on training and resources to not only develop innovative ideas and products but also pitch those ideas using various marketing strategies.

Student Ideas Lab

This student-led coworking space helps move research discoveries from the lab to the market offers:

- a collaborative and innovative milieu
- state-of-the-art technology i.e. 3D printers, prototyping equipment etc.
- wide network of experienced professionals
Degree Programs

Aerospace Engineering  
- Aircraft and Spacecraft Design  
- Advanced Space Systems Engineering

Artificial Intelligence  
- MS

Aviation  
- BS

Biomedical Engineering  
- MS

Chemical Engineering  
- Biotechnology  
- Environmental Engineering  
- Semiconductors and Polymers Processing

Civil Engineering  
- Construction Management  
- Environmental  
- Geotechnical  
- Structural  
- Transportation  
- Water Resources

Computer Engineering  
- Embedded Systems  
- Networking Systems  
- Secure Systems  
- System Design

Electrical Engineering  
- Analog Electronics  
- Digital Signal Processing  
- Digital System Design  
- Integrated Circuit Design and Fabrication  
- Networking and Communications  
- Power Electronics

Extended Studies  
- Artificial Intelligence  
- Software Engineering, Specialization in Cloud and Mobile Computing  
- Software Engineering, Specialization in Data Science  
- Engineering, Specialization in Smart Sustainable Energy Systems  
- Software Engineering, Specialization in Enterprise Technologies  
- Corporate-specific engineering programs also available

Interdisciplinary Engineering  
- MS

Human Factors/ Ergonomics  
- MS

General Engineering  
- Electronic Materials and Devices  
- Green Technologies Minor

Industrial and Systems Engineering  
- Engineering Management  
- Statistical Quality Engineering

Engineering Healthcare  
- BS, MS, MSE

Industrial Engineering  
- Human Factors and Ergonomics  
- Production and Quality Assurance  
- Service Systems Engineering  
- Supply Chain Engineering  
- System and Information and Modeling

Industrial Technology  
- BS

- Computer Electronics and Network Technology  
- Manufacturing Systems and Sustainable and Green Manufacturing

Materials Engineering  
- MS

- Biomaterials  
- Composites  
- Electronic and Magnetic Materials  
- MEMS  
- Microelectronic Packaging  
- Nanotechnology  
- Polymers  
- Semiconductor Processing

Mechanical Engineering  
- BS, MS

- Finite Element Analysis and CAD  
- Mechanical Design  
- Mechatronics and MEMS

Software Engineering  
- BS, MS

- Cloud Computing and Virtualization  
- Cybersecurity  
- Enterprise Software Technologies  
- Networking Software  
- Software Systems Engineering

Quantum Technology  
- MS

- Highly Competitive  
- GRE/GMAT required

Admission Requirements

Complete application at calstate.edu/apply

Minimum GPA 2.5 out of 4. Please check Degree Program Requirements | Admissions (sjsu.edu) and sjsu.edu/admissions/impaction for details.

Transcripts: international evaluation (WES/ ACEI/ ECE) of atleast 7 semester transcripts

Students must meet minimum English Proficiency requirements. For more information visit: study.sjsu.edu/language-requirement

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Your Future Starts Here

“Working on campus as a student assistant in the Data Science team at CPGE has been incredible. It not only enriched my college experience by providing me with invaluable work experience and networking opportunities but also helped me offset the cost of tuition.”

– Mansi Gupta
M.S. Engineering Management

“SJSU has truly become my second home- a place where I have found lifelong friends and mentors. SJSU’s proximity to the Tech industry has also opened doors to countless opportunities for me. Just yesterday, I had the privilege of networking with over 30 CEOs at a conference.”

– Nithin Reddy
M.S. Electrical Engineering

Connect with Us
sjsu.edu/global
global-students@sjsu.edu
Drop in session