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.

Both graduate and undergraduate students have opportunities to conduct research with faculty members.

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 (2017).
7,400 Students enrolled
5,000 Undergraduate students
2,400 Graduate students

30:1 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.

Regular engineering newsletters and social media posts keep students informed about Bay Area jobs, internships and national/international competitions.

Silicon Valley CEOs, founders and SVPs

Regular engineering newsletters and social media posts

ENGINEERING SALARIES BY DEGREE

Aerospace Engineering
Aviation
Biomedical Engineering
Biotechnology
Chemical Engineering
Civil Engineering
Computer Engineering
Electrical Engineering
Industrial and Systems Engineering
Industrial Technology
Materials Engineering
Mechanical Engineering
Software Engineering

$110,000
$100,000
$90,000
$80,000
$70,000
$60,000
$50,000
$40,000
$30,000
$20,000
$10,000
$0

BS
MS
**LEARN BY DOING**

At the Charles W. Davidson College of Engineering, you will have the opportunity to apply theoretical knowledge to solve real-world problems. You will work on project teams with state-of-the-art technology in hands-on lab environments to master practical engineering and technical skills and the theoretical principles.

**ACCOMPLISHED FACULTY**

You will study with faculty who are dedicated to teaching and active engagement in cutting-edge applied research, scholarly activity and professional practice.

**INDUSTRY PARTNERS**

You will have opportunities to participate with faculty and Silicon Valley industry partners on student projects, internships and applied research.

---

**DEGREE PROGRAMS AND AREAS OF EMPHASIS**

<table>
<thead>
<tr>
<th>Program</th>
<th>Area of Emphasis</th>
<th>Website</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>Aircraft and Spacecraft Design, Advanced Space Systems Engineering</td>
<td><a href="http://sjsu.edu/ae">sjsu.edu/ae</a></td>
<td>BS, MS</td>
</tr>
<tr>
<td>Aviation</td>
<td>Aviation Management, Maintenance Management, Operations, Professional Flight</td>
<td><a href="http://sjsu.edu/avtech">sjsu.edu/avtech</a></td>
<td>BS</td>
</tr>
<tr>
<td>Biomedical Engineering</td>
<td>Biotechnology, Environmental Engineering, Semiconductors and Polymers Processing</td>
<td><a href="http://sjsu.edu/bcme">sjsu.edu/bcme</a></td>
<td>BS, MS</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>Construction Management, Environmental, Geotechnical, Structural, Transportation, Water Resources</td>
<td><a href="http://sjsu.edu/cme">sjsu.edu/cme</a></td>
<td>BS, MS</td>
</tr>
<tr>
<td>Civil and Environmental Engineering</td>
<td>Embedded Systems, Networking Systems, Secure Systems, System Design</td>
<td><a href="http://cee.sjsu.edu">cee.sjsu.edu</a></td>
<td>BS, MS</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Software Engineering, Data Science, Software Engineering, Specialization in Cybersecurity, Software Engineering, Specialization in Cloud and Mobile Computing, Engineering, Specialization in Battery Technologies</td>
<td><a href="http://ee.sjsu.edu">ee.sjsu.edu</a></td>
<td>BS, MS</td>
</tr>
<tr>
<td>Extended Studies</td>
<td>Corporate-specific engineering programs also available</td>
<td><a href="http://ges.sjsu.edu">ges.sjsu.edu</a></td>
<td>MS</td>
</tr>
<tr>
<td>General Engineering</td>
<td><a href="http://generalengineering.sjsu.edu">generalengineering.sjsu.edu</a></td>
<td>BS, MS</td>
<td></td>
</tr>
<tr>
<td>Industrial and Systems Engineering</td>
<td>Engineering Management, Human Factors and Ergonomics, Statistical Quality Engineering</td>
<td><a href="http://ise.sjsu.edu">ise.sjsu.edu</a></td>
<td>BS, MS, MSE</td>
</tr>
<tr>
<td>Materials Engineering</td>
<td><a href="http://sjsu.edu/cme">sjsu.edu/cme</a></td>
<td>BS, MS</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td><a href="http://sjsu.edu/me">sjsu.edu/me</a></td>
<td>BS, MS</td>
<td></td>
</tr>
<tr>
<td>Software Engineering</td>
<td><a href="http://bsse.sjsu.edu">bsse.sjsu.edu</a>, <a href="http://msse.sjsu.edu">msse.sjsu.edu</a></td>
<td>BS, MS</td>
<td></td>
</tr>
</tbody>
</table>
RANKINGS

Charles W. Davidson College of Engineering is ranked

#3 in Public Engineering Programs¹

San José State University is ranked

#6 in Top Public Universities²

APPLY TODAY

For more information about the application process and eligibility for international students, visit sjsu.edu/global

¹ Ranked third in the nation among public engineering programs offering bachelor’s and master’s degrees, excluding service academies. (U.S. News and World Report)

² Ranked sixth among the West’s top public universities offering bachelor’s and master’s degrees. (U.S. News and World Report)