

Application and Admission Information

Application Deadlines:

Fall Semester

May 1

Spring Semester

November 1

University Requirements:

Minimum GPA of 3.0

TOEFL (Institution Code: 4683)

GRE (Institution Code: 4684)

SFSU Application Forms

School of Engineering Requirements:

CV or Résumé

Two letters of recommendation

Statement of purpose

Graduate Program Coordinator:

Dr. Hamid Shahnasser

About The San Francisco Bay Area

San Francisco is one of the world's most vibrant cities for science and technology and is the financial and cultural center of Northern California. The Bay Area is home to more than seven million people and to many of the world's largest technological corporations that are concentrated in the Silicon Valley. The Silicon Valley is the leading region for high-tech innovation and development in the United States.

Located in this unique setting, San Francisco State University (SFSU) is known for its commitment to excellent academic training and for its diverse student body.



SF STATE

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**SAN FRANCISCO
STATE UNIVERSITY**

SCHOOL OF ENGINEERING Graduate Programs

Unique location, unique opportunities



Structural and Earthquake Engineering

The structural and earthquake engineering master's degree program at the School of Engineering focuses research and design studies towards resilient and sustainable civil engineering infrastructure. The coursework includes Principles of Earthquake Engineering, Advanced Concrete Structures, Advanced Steel Structures, Structural Design for Earthquakes, Geotechnical Earthquake Engineering, Advanced Topics in Seismic Engineering, Advanced Topics in Structural Engineering, Bridge Engineering and Prestressed Concrete, and Structural Design for Fire Safety. Students completing the master's program at SFSU are prepared for professional practice and for doctoral study in structural engineering. Students can conduct research activities on state-of-the-art laboratory equipment.



Embedded Electrical and Computer Systems

Embedded Electrical and Computer Systems program focuses on: (1) Designing reliable, energy efficient, high performance computing circuits in emerging nanotechnologies; (2) Designing, prototyping and testing mechatronic and robotic systems; (3) Analog and radio-frequency circuits and systems for biomedical applications ; (4) Embedded systems; (5) Wireless communications .

Research in these areas is carried out in **Nano-electronics and Computing Research Laboratory (NeCRL)**, **SF Bioelectronics Laboratory**, **Analog Design Center**, and **Biomechanics Research Laboratory (BRL)**.



Energy Systems

A newly developed concentration area for the SFSU Master of Science in Engineering degree addresses issues related to energy efficiency and conservation, renewable energy and the rising demand for energy professionals. The Energy Systems concentration area includes coursework in Energy Resources and Sustainability, Renewable Energy Systems, Energy-Efficient Buildings and Energy Auditing, Measurement and Verification.

The **Advanced Materials Research Laboratory** conducts research in the synthesis and characterization of nanomaterials used for energy generation, scavenging, storage, and conservation. The **Industrial Assessment Center (IAC)**, sponsored by US Department of Energy, provides eligible small- and medium-sized manufacturers with no-cost energy assessments. The **Engine Combustion Laboratory** carries out research to increase efficiency and reduce emissions from internal combustion engines.

