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.
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 Biomechatronics Research Laboratory (BRL).

Energy Systems


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.