Seven Departments
23 undergraduate degrees
123 tenured/tenure track faculty
131 lecturers
2747 undergraduates
489 graduates
Hands-on, lab-oriented
Research/Projects with Faculty
Student Organization (~20)
College of Science

Science - 1957

MacQuarie - 1967

Duncan - 1972
Future of College of Science

Research and Teaching Space – Opening Spring 2022
Research Superstars

Craig Clements (MET)
Fire Weather

Miri VanHoven (BIO)
Neurological Development

Gitte McDonald (MLML)
Ocean Animal Energy Use

Ehsan Khatami (PHYS)
Machine Learning in Quantum Systems
Research Superstars

Minghui Diao (MET)
Clouds, Aerosols and Ocean Heating

Kim Blisniuk (GEO)
Paleoearthquakes

Alberto Rascon (CHEM)
Biochemical Defenses Against Malaria

Dan Goldston (MATH)
Number Theory/Primes
Research Superstars

Scott Shaffer (BIO)
Data Logging - Vertebrate Behavior

Cristina Tortora (MATH)
Clustering Algorithms/Statistics

Cassandra Paul (SCIED)
Physics Education Research

Aaron Romanowsky (PHYS)
Galaxy Evolution/Dark Matter
Student Success

- Supplemental Instruction
- Tutoring
- Peer Advisors
- Student Clubs
- Pre-professional Clubs
Notable Student Work

Silicon Valley Innovation Challenge  ABRCMS Poster Awards

CSUPERB Award

Outstanding Thesis

Cover of Physical Review X

Keck Telescope
• No specific pre-professional degree at SJSU
• Professional schools do not require a specific degree
  – Required prerequisite classes
• Choose degree that can excel in - GPA counts!
### Impaction Results Fall 2019

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>6 courses completed</th>
<th>5 courses completed</th>
<th>4 courses completed</th>
<th>3 courses completed</th>
</tr>
</thead>
</table>
| Biological Sciences          | Admitted all applicants with 1 or more courses completed above 2.0  
                               | All other applicants were admitted above 2.40                      |
| Chemistry                    | Admitted all applicants with 1 or more courses completed above 2.0  
                               | All other applicants were admitted above 2.40                      |
| Computer Science             | Admitted all applicants with 5 or more courses completed above 3.30  |
| Geology                      | Admitted all applicants with 1 or more courses completed above 2.0  
                               | All other applicants were admitted above 2.40                      |
| Mathematics                  | Admitted all eligible applicants above 2.10                        |
| Meteorology/Climate Science  | Admitted all eligible applicants above 2.10                        |
| Physics                      | Admitted all eligible applicants above 2.10                        |
UNVS 101: 3 unit Career and Leadership Development Course
Biology is a natural science concerned with the study of life and living organisms, including their structure, function, growth, origin, evolution, distribution, and taxonomy.
Chemistry is the study of matter and change. Chemistry is often thought of as the “central” science, and ranges from physical processes on the one hand to biological processes on the other.

- BA Chemistry
- BS Chemistry
- BS Chemistry, Biochemistry
The computer science faculty includes authors of standard texts in such areas as Java, C++, programming languages, compiler design, parallel processing, and web programming. Many of the faculty are also active in research, in a variety of areas such as computer architecture, network protocols, multimedia systems, and scientific computing.
SJSU is the largest CSU Geology Department in the Bay Area and has faculty that are actively engaged with students and in research. The field emphasis of the program leads to close student-faculty interaction. Almost all of our graduates are employed in the Earth Sciences or are in graduate school.
Mathematics and Statistics

- BA Mathematics
- BA Mathematics, Teacher Preparation
- BS Applied Mathematics with concentrations:
  - Applied and Computational Mathematics
  - Statistics

The Math Department is the home of the Center of Applied Math, Computation and Statistics (CAMCOS) where students under the supervision of a professor work on industrial math problems provided by a local business, government, or industry sponsor.
The Department of Meteorology and Climate Science is the only one of its kind in the entire CSU. We provide students with an in-depth knowledge of the atmosphere and prepare them for careers in the atmospheric sciences. Meteorology faculty maintain active research programs that benefit the science community and enhance our students' learning environment.
Physics and Astronomy

The Department of Physics and Astronomy is proud of its excellent faculty composed of outstanding teachers and researchers. Our courses prepare students for careers in technical fields, graduate study in the sciences, and jobs as far afield as astrophysics and animation. Visit www.physics@sjsu.edu for more information.

- BA Physics
- BA Physics, Teacher Preparation
- BS Physics