COLLEGE OF SCIENCE AND ENGINEERING

College Administrative Offices

<table>
<thead>
<tr>
<th>Title</th>
<th>Officer</th>
<th>Office</th>
<th>Telephone</th>
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</thead>
<tbody>
<tr>
<td>Interim Dean</td>
<td>Dr. Carmen Domingo</td>
<td>TH 323</td>
<td>338-1571</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Dr. Ron Marzke</td>
<td>TH 323</td>
<td>338-1571</td>
</tr>
<tr>
<td>Associate Dean</td>
<td>Dr. Uschi Simonis</td>
<td>TH 323</td>
<td>338-1571</td>
</tr>
<tr>
<td>Student Success</td>
<td>Vacant</td>
<td>SCI 214 or SCI 381</td>
<td>338-2816</td>
</tr>
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College Directory

<table>
<thead>
<tr>
<th>Department/Program</th>
<th>Chair/Director</th>
<th>Office</th>
<th>Telephone</th>
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<tbody>
<tr>
<td>Biology</td>
<td>Dr. Laura Burrus</td>
<td>HH 538</td>
<td>338-1548</td>
</tr>
<tr>
<td>Chemistry and</td>
<td>Dr. Teaster Baird</td>
<td>TH 806</td>
<td>338-1288</td>
</tr>
<tr>
<td>Biochemistry</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Computer Science</td>
<td>Dr. Arno Puder</td>
<td>TH 907</td>
<td>338-2156</td>
</tr>
<tr>
<td>Earth &amp; Climate</td>
<td>Dr. Petra Dekens</td>
<td>TH 509</td>
<td>338-2061</td>
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<tr>
<td>Sciences</td>
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<tr>
<td>Engineering</td>
<td>Dr. Wenshen Pong</td>
<td>SCI 163</td>
<td>338-1228</td>
</tr>
<tr>
<td>Geography &amp;</td>
<td>Dr. Jerry Davis</td>
<td>HSS 279</td>
<td>338-2049</td>
</tr>
<tr>
<td>Environment</td>
<td></td>
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<tr>
<td>Mathematics</td>
<td>Dr. Serkan Hosten</td>
<td>TH 944</td>
<td>338-7723</td>
</tr>
<tr>
<td>Physics and</td>
<td>Dr. Ronald Marzke</td>
<td>TH 334</td>
<td>338-1659</td>
</tr>
<tr>
<td>Astronomy</td>
<td></td>
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</tr>
<tr>
<td>Psychology</td>
<td>Dr. Christian Wright</td>
<td>EP 301</td>
<td>338-2714</td>
</tr>
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Centers and Institutes

<table>
<thead>
<tr>
<th>Center/Institute</th>
<th>Director/Coordinator</th>
<th>Office</th>
<th>Telephone</th>
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<tbody>
<tr>
<td>Center for Science and Mathematics Education</td>
<td>Dr. Eric Hsu</td>
<td>SCI 211</td>
<td>405-4190</td>
</tr>
<tr>
<td>Estuary and Ocean Science Center</td>
<td>Dr. Karina J. Nielsen</td>
<td>Tiburon</td>
<td>338-3700</td>
</tr>
<tr>
<td>Institute for Geographic Information Science</td>
<td>Dr. Jerry Davis</td>
<td>HSS 288</td>
<td>338-3566</td>
</tr>
<tr>
<td>Moss Landing Marine Laboratories</td>
<td>Dr. James Harvey</td>
<td>Moss Landing</td>
<td>(831)</td>
</tr>
<tr>
<td>SF Bay National Estuarine Research Reserve</td>
<td>Dr. Michael Vasey</td>
<td>Tiburon</td>
<td>338-3707</td>
</tr>
<tr>
<td>Sierra Nevada Field Campus</td>
<td>J.R. Blair</td>
<td>TH 323</td>
<td>338-1571</td>
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Degrees Offered

Bachelor of Arts
- Biology 04011
- Chemistry 19051

Master of Arts
- Geography 22061
- Concentration in Resource Management and Environmental Planning 01151
- Mathematics 17011
- Psychology
  - Concentrations in:
    - Developmental Psychology 20091
    - Mind, Brain, and Behavior 20011
    - Social Psychology 20051

Master of Science
- Biology
  - Concentrations in:
    - Cell and Molecular 04171
    - Ecology, Evolution, and Conservation Biology 04011
    - Marine Biology 04181
    - Microbiology 04111
    - Physiology and Behavioral Biology 04101
Master's is an innovative degree designed to allow students to pursue
Science through the Biology Department. The Professional Science
level, the school offers the Master of Science in Engineering. The College
civil, computer, electrical, and mechanical engineering. At the graduate
School of Engineering, the College offers Bachelor of Science degrees in
& Environment, Psychology, and Physics and Astronomy. Through the
the eight departments of Biology, Chemistry and Biochemistry,
computer science, physics, and mathematics through
college offers programs at both the undergraduate and the graduate
context of a major urban university with a liberal arts tradition. The
superior scientific, engineering, and mathematical education in the
The College of Science and Engineering is committed to providing
in education in science and engineering. Close interaction between
and faculty in the laboratory and field environments fosters the
development in the student of the critical skills required in science and
engineering: the ability for objective analysis of a problem; the ability
to design and carry out critical tests; and the ability to make objective
interpretations of data.

Students wishing to follow one of the major and/or minor programs in the
college should meet with a faculty advisor in the appropriate department
immediately after admission to the university. Science and engineering
curricula are inherently sequential, so early advising and satisfaction of
course prerequisites are essential to success in timely completion of
program requirements.

The College operates two programs located off-site from the main
campus, one on San Francisco Bay and the other in the Sierra Nevada,
which provide outstanding access to locations for field-based research
and instruction:

- Estuary and Ocean Science Center (EOS Center), eoscenter.sfsu.edu
  (http://rtc.sfsu.edu)
- Sierra Nevada Field Campus, www.sfsu.edu/~sierra/ (http://
  www.sfsu.edu/~sierra).

San Francisco State is also a member of a CSU Consortium of seven
campuses providing San Francisco State University faculty, students and
staff access to Monterey Bay through:

- Moss Landing Marine Laboratories (MLML), mlml.calstate.edu
  (https://www.mlml.calstate.edu).

Applicants interested in the M.S. in Marine Science at MLML should
submit applications to the graduate programs at San Jose State
University or CSU Monterey Bay. Applicants interested in the M.S. in
Interdisciplinary Marine and Estuarine Sciences (IMES) should apply
through SF State. All students in the MS in Marine Science program
based at MLML or the M.S. in IMES program based at the EOS Center
may take courses at SF State, EOS Center (see below) or MLML.

The Estuary and Ocean Science Center
Estuary and Ocean Science Center (EOS Center) supports the scientific
study of the sea, enhances public engagement with marine science
and develops solutions to the environmental problems confronting
coastal communities. It provides opportunities for scientific discovery,
innovation and education focused on the health and resilience of the
San Francisco Estuary, the Gulf of the Farallones and other coastal
ecosystems. The EOS Center is located on the Romberg Tiburon Campus
(RTO) just 11 miles north of the SF State campus in Tiburon, CA on the
shore of San Francisco Bay. San Francisco Bay is part of the largest
estuary and watershed on the west coast of the United States. The region
is internationally recognized as a biodiversity hotspot, hosts a diverse
array of marine protected areas, and an economically important coastal
and marine economy including productive fisheries, a diverse recreational
and tourism sector and a hub of technological innovation.

The EOS Center has specialized facilities for marine and estuarine
research including: flow-through bay water tanks and tables; a research
pier and nearby moorings equipped with a variety of environmental sensors for tracking water quality, weather conditions and underwater sounds; laboratories for elemental analysis, analysis of water samples for nutrients and carbonate chemistry; specialized microscopes for quantifying, identifying and visualizing plankton; a molecular genetics laboratory; a greenhouse for raising wetland plants; a well-equipped, 38-foot research vessel (R/V Questuary) and a small boat fleet to support aquatic field research. The center also offers a motorboat operators training course and supports an active scientific diving program.

Faculty and research scientists from across the College offer courses and mentored research opportunities in marine and estuarine sciences at the EOS Center and on the main campus. The EOS Center hosts and administers the Masters of Science in Interdisciplinary Marine and Estuarine Sciences (IMES). Additional research and educational opportunities are available through the SF Bay National Estuarine Research Reserve and the Smithsonian Environmental Research Center programs based at the EOS Center. The Rosenberg Institute for Marine Biology and Environmental Sciences offers a Public Forum and weekly science seminar series based here also. See eoscenter.sfsu.edu (http://eoscenter.sfsu.edu) for more information.