

UC SANTA CRUZ





Facts and figures

UC Santa Cruz is located on 2,000 acres overlooking the city of Santa Cruz. Nearby Silicon Valley and the Monterey Bay region comprise UCSC's service area.
Cover photo: UCSC's Music Center and bike path.

Name: University of California, Santa Cruz

Affiliation: Part of the 10-campus UC system

Opened: Fall 1965

Emphasis: A nationally ranked research university devoted to excellence in undergraduate teaching

Chancellor: George R. Blumenthal

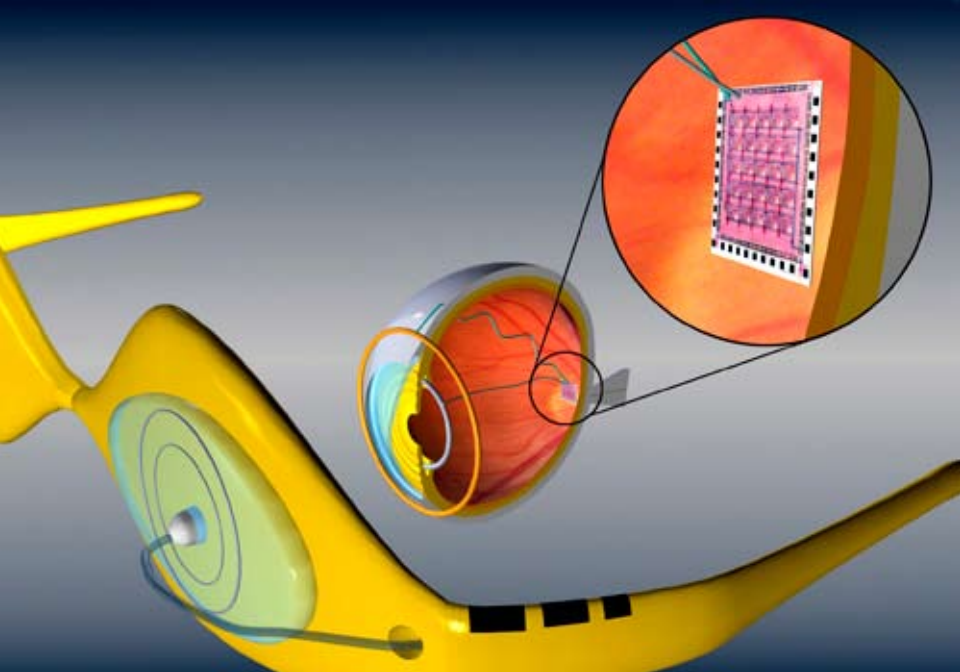
Student body, 2008–09: 16,087

Faculty, professorial, August 2008: 508

Total number of alumni: 72,000

Total operating budget, 2008–09: \$540.1 million, including \$189.8 million from the state of California

Mascot: Banana Slug (*Ariolimax dolichophallus*)



UC Santa Cruz is part of a multi-institutional center to advance technologies that mimic biological systems. Retinal prosthesis—artificial vision—is a technology being developed by electrical engineer Wentai Liu, who also heads UCSC's participation in the center.

National recognition

UC Santa Cruz is nationally recognized for its quality of instruction, its academic stature, and its research impact. For example:

- ▶ *U.S. News & World Report* ranked UCSC in the top 22 percent of U.S. national public research universities in 2009.
- ▶ UC Santa Cruz ranked 1st nationally for its research impact in physics and 5th for its research impact in the space sciences, according to *Science Watch* (2007).
- ▶ In 2007, UCSC ranked 3rd nationally on the Faculty Scholarly Productivity Index among doctoral programs in music and in environmental health engineering (environmental toxicology).
- ▶ In 2003, the Sierra Club rated UCSC seventh among the "top 10 greenest colleges in the nation."



Academic programs

Faculty who have been attracted to UCSC include 16 members of the National Academy of Sciences, two members of the Institute of Medicine, and 27 fellows of the American Academy of Arts and Sciences.

UC Santa Cruz's twin achievements in undergraduate instruction and research are uncommon in American higher education.

- ▶ Undergraduates are able to pursue more than 60 majors, and graduate students are able to pursue advanced degrees in more than 30 academic fields (refer to the following two pages).
- ▶ In 2006–07, a B.S. program in bioengineering was approved; a B.S. program in computer game design began; a new Ph.D. program in music emphasizing cross-cultural studies began; and statistics and applied mathematics M.S./Ph.D. programs were approved.
- ▶ A new Ph.D. program in film and digital media was approved for fall 2010.

ARTS

Art (B.A.)

Digital Arts and New Media (M.F.A.)

Film and Digital Media (B.A.)

History of Art and Visual Culture (B.A.)

Music (B.A., B.M., M.A., D.M.A., Ph.D.)

Theater Arts (B.A., Certificate)

ENGINEERING

Bioengineering (B.S.)

Bioinformatics (B.S., M.S., Ph.D.)

Computer Eng. (B.S., M.S., Ph.D.)

Computer Game Design (B.S.)

Computer Science (B.A., B.S., M.S., Ph.D.)

Electrical Engineering (B.S., M.S., Ph.D.)

Information Systems Management (B.S.)

Statistics and Applied Math (M.S., Ph.D.)

Technology and Information Management

(M.S., Ph.D.)

HUMANITIES

American Studies (B.A.)

Classical Studies (B.A.)

Feminist Studies (B.A.)

German Studies (B.A.)

History (B.A., M.A., Ph.D.)

History of Consciousness (Ph.D.)

Italian Studies (B.A.)

Language Studies (B.A.)

Linguistics (B.A., M.A., Ph.D.)

Literature (B.A., M.A., Ph.D.)

Philosophy (B.A., M.A., Ph.D.)

PHYSICAL AND BIOLOGICAL SCIENCES

Applied Physics (B.S.)

Astronomy and Astrophysics (B.S.,* Ph.D.)

Biochemistry and Molecular Biology (B.S.)

Biology (B.A., B.S.)

Chemistry (B.A., B.S., M.S., Ph.D.)
Earth Sciences (B.A., B.S., M.S., Ph.D.)
Ecology and Evolution (B.S.)
Ecology and Evolutionary Biology (M.A., Ph.D.)
Health Sciences (B.S.)
Marine Biology (B.S.)
Mathematics (B.A., M.A., Ph.D.)
Microbiology and Environmental Toxicology
(M.S., Ph.D.)
**Molecular, Cell, and Developmental
Biology** (B.S., M.A., Ph.D.)
Neuroscience and Behavior (B.A., B.S.)
Ocean Sciences (M.S., Ph.D.)
Physics (B.S., M.S., Ph.D.)
Physics Education (B.S.)
Plant Sciences (B.S.)
Science Communication (Certificate)

SOCIAL SCIENCES

Anthropology (B.A., Ph.D.)
Applied Economics and Finance (M.S.)
Business Management Economics (B.A.)
Community Studies (B.A.)
Economics (B.A.)
Education (M.A., Ph.D., Ed.D.)
Environmental Studies (B.A., Ph.D.)
Global Economics (B.A.)
International Economics (Ph.D.)
Latin American and Latino Studies (B.A.)
Legal Studies (B.A.)
Politics (B.A., Ph.D.)
Psychology (B.A., Ph.D.)
Social Documentation (M.A.)
Sociology (B.A., Ph.D.)

* B.S. is in Astrophysics only.

Research that is making a difference

UCSC computer scientist David Haussler, director of the Center for Biomolecular Science and Engineering, is a member of both the National Academy of Sciences and the American Academy of Arts and Sciences.



UC Santa Cruz faculty have made significant contributions to the body of research that has earned the University of California the ranking as the foremost public research institution in the world, demonstrating that cutting-edge research and high-quality teaching are mutually supportive.

The Rise of American Research Universities ranked UCSC 11th in the nation among public campuses for the research productivity of its faculty; in the study, UCSC ranked 1st in the assessment of productivity in the Social

Sciences and 6th in the Arts and Humanities index. In surveys by Thompson Scientific, UCSC ranked 1st in the nation for its research impact in physics and 5th in the field of space sciences.

Selected research groups:

Center for Adaptive Optics ♦ Center for Agroecology & Sustainable Food Systems ♦ Center for Global, International and Regional Studies ♦ Center for Information Technology Research in the Interest of Society ♦ Center for Justice, Tolerance, and Community ♦ Center for Molecular Biology of RNA ♦ Chicano/Latino Research Center ♦ Dickens Project ♦ Institute for Humanities Research ♦ Institute of Geophysics and Planetary Physics ♦ Institute of Marine Sciences ♦ Satyajit Ray Film and Study Collection ♦ Santa Cruz Center for International Economics ♦ Santa Cruz Institute for Particle Physics ♦ UC Observatories/Lick Observatory

Indian filmmaker Satyajit Ray





Distinguished alumni

**Clockwise
from upper left:
Geoffrey Marcy,
Camryn Manheim,
Katy Roberts,
Kent Nagano,
Francisco Rosado-
May, and Cheryl
Scott**

For more than 44 years, UC Santa Cruz has been educating students to become leaders in their fields. People such as astronomy alumnus **Geoffrey Marcy**, part of a team recognized worldwide for its success in finding planets around stars in other solar systems; **Camryn Manheim**, an Emmy Award-winning actress in the TV series *The Practice*; **Katy Roberts**, senior editor, digital transition, at the *New York Times*; **Kent Nagano**, music director of the Montreal Symphony Orchestra and the Bavarian State Opera and Grammy Award winner; **Francisco Rosado-May**, president of the Mayan Intercultural University of Quintana Roo, Mexico; and **Cheryl Scott**, a physician with the California Department of Health Services, Tuberculosis Center Branch.



Mark Carr and Peter Raimondi (facing page) codirect UCSC's involvement in the multi-institutional PISCO project, funded by a total of over \$54 million from the David and Lucile Packard Foundation and the Gordon and Betty Moore Foundation.

Building partnerships

Through the research and public service of its faculty, students, and staff, UCSC engages in productive partnerships throughout the Monterey Bay, Silicon Valley, and San Francisco Bay areas.

Multidisciplinary projects

Illustrated by the following examples, UCSC is forging numerous partnerships in the public and private sectors:

- ▶ In March 2009, UCSC and the Foothill-De Anza Community College District announced a partnership with NASA Ames Research Center to establish a joint education and research community.
- ▶ UCSC is managing a 10-year, \$330 million program establishing a **University Affiliated Research Center (UARC)** at the NASA Ames Research Center in Silicon Valley. UARC provides research and

educational capabilities to meet NASA's mission requirements and to develop future human resources in technology and science.

► The **Center for Global, International and Regional Studies (CGIRS)** is organized around the idea that human activities, although anchored in specific regions and nation-states, are increasingly integrated by social, economic, and cultural networks to states, regions, and communities in other parts of the world. The center sponsors institutes, projects, workshops, and partnerships.

► The **UCSC Educational Partnership Center (EPC)** coordinates activities with

public schools in Silicon Valley and the Monterey Bay Area in an effort to increase the number of underrepresented students attending four-year colleges and universities.

Links with industry

UCSC has a large number of research programs and facilities that support the discovery and dissemination of significant scientific advances. UC has a long history of cooperating with industry to facilitate the development and transfer of such advances to the marketplace.

K-14 collaborations

Dozens of partnerships exist between UCSC and public schools, including many

projects in math and science. Large federal projects link UCSC researchers, teacher trainers, and schoolteachers—creating a two-way transfer of ideas between UCSC and K–12 schools and close ties with the region’s 13 community colleges.

Improving farming practices

Working with farmers, researchers at UCSC’s **Center for Agroecology & Sustainable Food Systems (CASFS)** have developed alternatives to costly synthetic chemical fertilizers and pesticides. Success with heavily treated crops—including artichokes, strawberries, apples, and cotton—has shown that alternative pest-management strategies can be cost effective.



Through the Center for Informal Learning and Schools (CILS), UCSC is working with San Francisco’s Exploratorium and King’s College London to improve science teaching and learning.

A profile of UCSC students

UCSC students receive both letter grades and written evaluations of their work, illustrating the campus's strong commitment to the students' academic development.

- ▶ Total enrollment 2008–09: 16,087
- ▶ 14,662 undergraduates; 1,425 graduate students
- ▶ 53 percent women; 47 percent men

Regents Scholars

UCSC's student body includes 113 Regents Scholars, recipients of UC's most prestigious scholarship award.

Most popular undergraduate majors, 2008–09

1. Psychology
2. Art
3. Business management economics
4. Literature
5. Environmental studies
6. Politics
7. Health sciences
8. History
9. Biology
10. Anthropology
11. MCD biology
12. Film and digital media
13. Marine Biology
14. Mathematics
15. Sociology

Supporting the campus

The UC Santa Cruz Foundation, UCSC Alumni Association, friends groups, and other donors have given the campus more than \$364 million (through the 2007–08 year) in private support. Friends and support groups include:

- ▶ UCSC Affiliates
- ▶ UCSC Women's Club
- ▶ UCSC Arboretum Associates
- ▶ UCSC Lifelong Learners
- ▶ UCSC Opera Circle
- ▶ Friends of the UCSC Farm & Garden
- ▶ Friends of the UCSC Library
- ▶ Friends of the UCSC Long Marine Laboratory
- ▶ Friends of the GLBTI Resource Center at UCSC
- ▶ Friends of Shakespeare Santa Cruz/SSC Board of Directors
- ▶ Friends of the Dickens Project
- ▶ Friends of the Cowell Lime Works Historic District

Private support for UCSC totaled \$30.5 million in 2008–09, bringing the grand total of private funds to date to more than \$382.5 million.

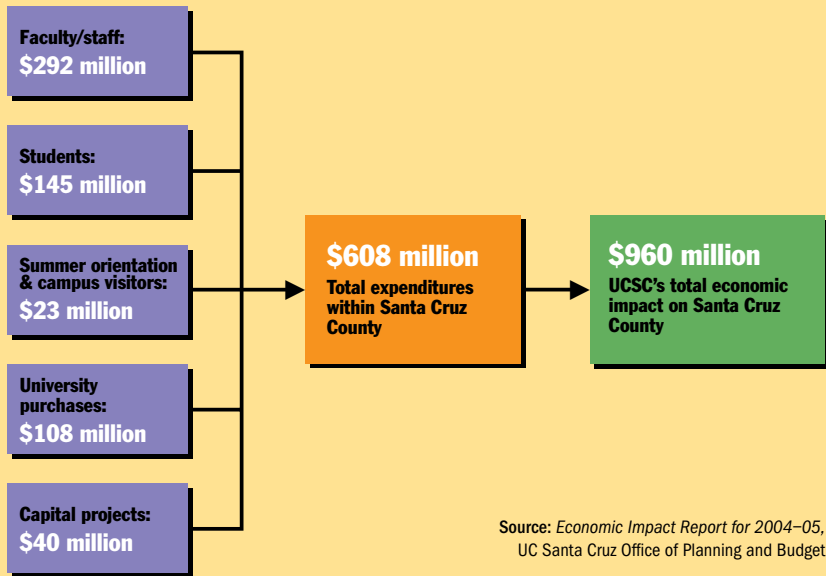


A cultural and educational resource

Nationally recognized Shakespeare Santa Cruz presents a summer festival and a holiday show each year.

UCSC is a regional asset, contributing to the cultural and recreational life of Santa Cruz and surrounding counties through performances, exhibitions, films, and lectures. In addition to offerings by UCSC faculty, visiting lecturers, and students, the campus provides:

- ▶ **Arts & Lectures**, presenting a variety of entertainers and speakers
- ▶ **Shakespeare Santa Cruz**, nationally acclaimed theatrical performances
- ▶ **UCSC's Arboretum**, the leading botanical garden in the Monterey Bay Area
- ▶ **The Farm & Garden, Seymour Center at Long Marine Lab, and University Library**, which are open to the public, as is **Lick Observatory**, atop Mt. Hamilton, east of San Jose
- ▶ **The Sesnon and Smith Galleries**, presenting art shows on campus during the academic year
- ▶ **Over 25 miles of hiking and jogging trails**



Source: *Economic Impact Report for 2004–05*,
UC Santa Cruz Office of Planning and Budget

Strengthening the region's economy

Economists have developed a formula to calculate total economic activity that results from successive cycles of spending. Using this 'multiplier,' UCSC generates nearly \$1 billion in economic activity annually in Santa Cruz County.

UC Santa Cruz, the largest single employer in Santa Cruz County, was responsible for about a billion dollars of economic activity in Santa Cruz County in the 2004–05 year (most recent data available). Because the majority of the campus's budget each year is supplied by out-of-county sources, the money spent by the university and its employees and students is nearly all new to the local economy.

Learning for life

UCSC Extension is the continuing education provider of the Santa Cruz campus, serving students from Santa Clara, Santa Cruz, Monterey, and San Benito Counties. A self-supporting nonprofit organization, Extension offers more than 900 classes to more than 10,000 enrollments yearly.



University of California, Santa Cruz
 1156 High Street
 Santa Cruz, CA 95064
 Web address: www.ucsc.edu

Campus Directory (Area Code 831)

Admissions, undergraduate.....	459-4008
Admissions, graduate	459-2301
Alumni Association	459-2530
Arboretum.....	427-2998
Arts Division Events	459-2787
Communications & Marketing.....	459-2495
Farm & Garden	459-4140
Friends Groups.....	459-2501
McHenry Library.....	459-2711
Physical Education.....	459-2531
Science & Engineering Library.....	459-2886
Seymour Center, Long Marine Lab.....	459-3800
Shakespeare Santa Cruz.....	459-2121
Ticket Office (santacruztickets.com)	459-2159
UC Observatories/Lick Observatory	459-2991
UC Santa Cruz Foundation	459-4339
University Relations.....	459-2501
<i>Call (831) 459-0111 for numbers not listed above.</i>	
UC Santa Cruz Extension, Silicon Valley	(800) 660-8639