

# UC SANTA CRUZ





**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.**

**On the cover: Biology professor Laurel Fox and students on a botany field trip.**

## Facts and figures

**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:** M.R.C. Greenwood

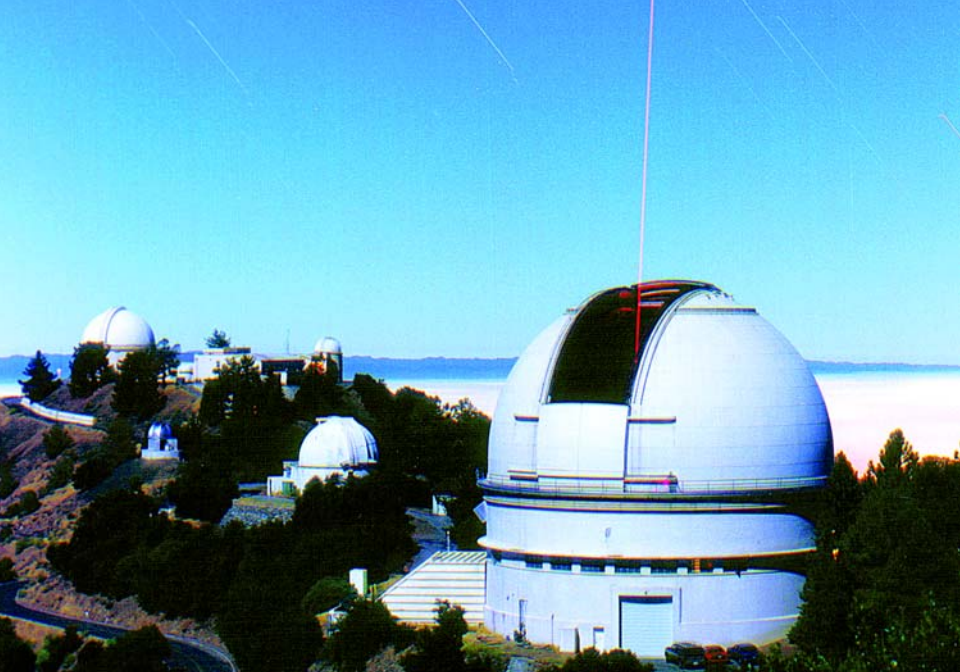
**Student body, fall 2001:** 13,147

**Faculty, ladder rank:** 499

**Total number of alumni:** 54,000

**Total operating budget, 2001–02:** \$380 million, including \$166 million from the state of California

**Mascot:** Banana Slug (*Ariolimax dolichophallus*)



**UCSC is leading a multi-institutional partnership to advance the field of adaptive optics. The AO system at UC's Lick Observatory uses a laser beam to measure turbulence in the atmosphere.**

## National recognition

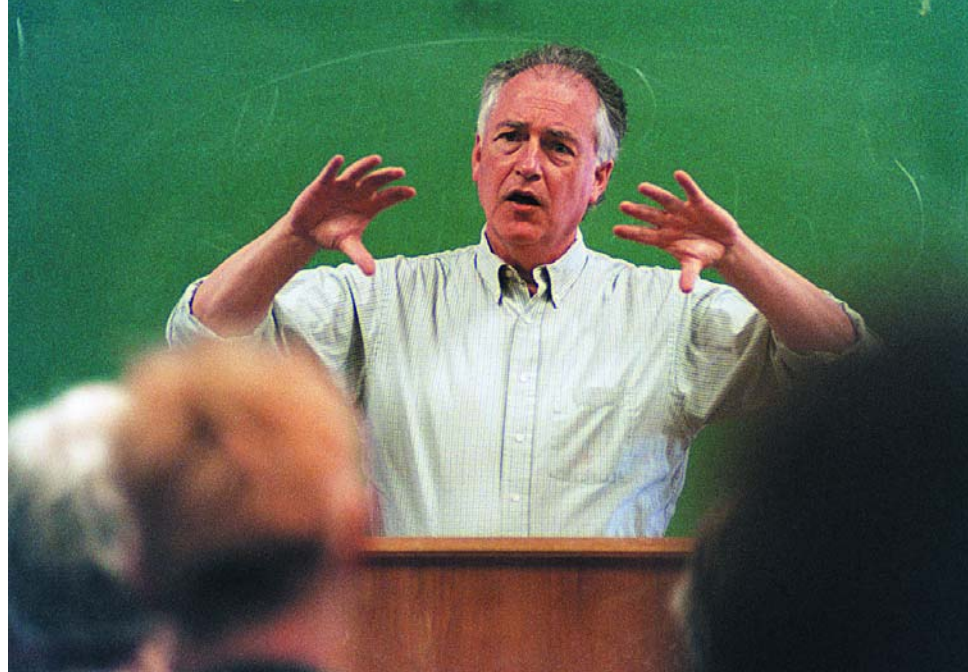
IN A 1999 SURVEY OF OVER 60 Association of American Universities member schools, UCSC ranked 15th nationally for students whose bachelor's degrees led to doctorates. In a 1997 analysis of over 200 top universities, UCSC ranked 11th in the nation among public campuses in the overall quality of its research productivity. In a 1995 *U.S. News & World Report* survey, UCSC ranked 13th among U.S. universities in its commitment to undergraduate teaching. A 1995 National Research Council survey ranked four doctoral programs—astronomy and astrophysics, biochemistry and molecular biology, Earth sciences, and linguistics—in the top quarter nationwide. UCSC is renowned worldwide for its publication impact in astrophysics and the physical and life sciences.

## Academic programs

**Faculty who have been attracted to UCSC include 11 members of the National Academy of Sciences, two members of the Institute of Medicine, and 16 fellows of the American Academy of Arts and Sciences.**

UCSC's TWIN ACHIEVEMENTS in undergraduate instruction and research are uncommon in American higher education.

- ▶ Undergraduates are able to pursue 50 majors and graduate students are able to pursue advanced degrees in 27 academic fields (refer to the following two pages).
- ▶ In 2001, undergraduate majors in astrophysics, bio-informatics, neuroscience and behavior, and plant sciences were established. A new undergraduate combined major in Earth sciences/anthropology and a new undergraduate Earth sciences concentration in planetary sciences were launched. An undergraduate minor program in film and digital media was also inaugurated.



## ARTS

### PROGRAMS:

- Art** (B.A.)
- Art History** (B.A.)
- Film and Digital Media** (B.A.)
- Music** (B.A., B.M., M.A.)
- Theater Arts** (B.A., Certificate)

## ENGINEERING

### PROGRAMS:

- Bioinformatics** (B.S.)
- Computer Engineering** (B.S., M.S., Ph.D.)
- Computer Science** (B.A., B.S., M.S., Ph.D.)
- Electrical Engineering** (B.S.)
- Engineering—3/2 Dual Degree**  
(with UC Berkeley)
- Information Systems Management** (B.S.)

## HUMANITIES

### PROGRAMS:

- American Studies** (B.A.)
- Classical Studies** (B.A.)
- German Studies** (B.A.)
- History** (B.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.)
- Women's Studies** (B.A.)

## NATURAL SCIENCES

### PROGRAMS:

- Astronomy and Astrophysics** (B.S.,\* Ph.D.)
- Biochemistry and Molecular Biology** (B.S.)
- Biology** (B.A., M.A., Ph.D.)
- Chemistry and Biochemistry** (B.A., B.S., M.S., Ph.D.)
- Earth Sciences** (B.A., B.S., M.S., Ph.D.)
- Ecology and Evolution** (B.A.)
- Environmental Toxicology** (M.S., Ph.D.)
- Marine Biology** (B.A.)
- Marine Sciences** (M.S.)
- Mathematics** (B.A., M.A., Ph.D.)
- MCD Biology** (B.A., B.S.)
- Neuroscience and Behavior** (B.A., B.S.)
- Ocean Sciences** (Ph.D.)
- Physics** (B.S., M.S., Ph.D.)
- Plant Sciences** (B.S.)
- Science Communication** (Certificate)

## SOCIAL SCIENCES

### PROGRAMS:

- 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.)
- 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.)
- Sociology** (B.A., Ph.D.)

---

\* B.S. is in Astrophysics only.

## A profile of UCSC students

**In fall 2001, undergraduate ethnic-minority group enrollment at UCSC increased to 35.3 percent (up 1.4 percent over fall 2000). Graduate ethnic-minority enrollment also increased to 32.0 percent (up 0.7 percent over fall 2000).**

- ▶ Total enrollment for fall 2001: 13,147
- ▶ 12,002 undergraduates; 1,145 graduate students
- ▶ 56 percent women; 44 percent men

### Ethnic composition of UCSC's student body, fall 2001

	Undergraduates	Graduate students
Euro-American	53.3%	56.0%
Asian American	13.0%	17.4%
Chicano	9.8%	4.4%
Latino	3.6%	3.6%
Filipino American	3.6%	0.9%
African American	2.3%	1.5%
American Indian	0.9%	1.2%
Other Minorities	2.1%	3.0%
Not Stated	11.4%	12.0%

### 'Hometowns' of UCSC undergraduates, fall 2001

San Francisco Bay Area	28.7%
Other Northern California	2.9%
Monterey Bay Area/Santa Clara Valley	18.8%
Central Valley Area	10.5%
Los Angeles Area/South Coast	23.7%
San Diego Area	9.1%
Out of State	5.7%
Foreign	0.6%

### Annual cost of attending UCSC, 2001-02 (undergraduate)

Required fees, California resident	\$ 4,300
Estimated personal expenses, incl. room & board	11,856
<b>TOTAL</b>	<b>\$16,156</b>

### Most popular undergraduate majors, fall 2001

1. Psychology
2. Literature
3. Biology
4. Computer science
5. Business management econ.
6. Art
7. Film and digital media
8. Sociology
9. Environmental studies
10. History
11. Politics
12. Computer engineering
13. Marine biology
14. Anthropology
15. Theater arts



**UCSC is helping to prepare badly needed K-12 teachers through an accelerated program that provides students with a teaching credential and master's degree.**

## Building partnerships

THROUGH THE RESEARCH AND PUBLIC SERVICE of its faculty, students, and staff, UCSC has forged productive partnerships with people and programs throughout the Monterey Bay, Silicon Valley, and San Francisco Bay areas. UCSC is a key player in the region's emergence as a center of marine science research and has developed collaborations in agriculture, education, and other fields.

### **Multidisciplinary projects**

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

► UCSC's SILICON VALLEY CENTER has a proposed location at NASA Ames Research Center. UCSC, San Jose

State University, and Foothill–De Anza Community College District have formed a partnership to address Silicon Valley’s education and workplace needs.

► **THE CENTER FOR INFORMAL LEARNING AND SCHOOLS** is a collaboration involving UCSC, the Exploratorium in San Francisco, and King’s College London to improve science teaching and learning.

► **THE UCSC EDUCATIONAL PARTNERSHIP CENTER** coordinates activities with public schools in Silicon Valley and the Monterey Bay Area in an effort to increase the number of under-represented students attending UC.

### **Links with industry**

UC Santa Cruz has a large number of research programs and facilities that support the discovery and dissemination of significant scientific advances. The University of California 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 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.

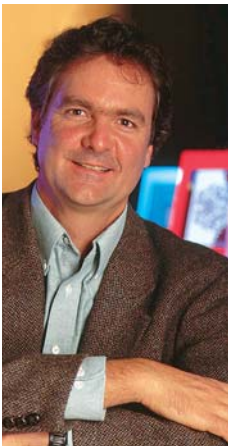


**Through a unique educational collaboration, UCSC is working with San Francisco’s Exploratorium and King’s College London to improve science teaching and learning.**



## Conducting research

**UCSC computer scientist David Haussler has been named codirector of one of the new California Institutes for Science and Innovation. The institute, 'QB3,' promises to lead the next revolution in biomedical research.**



UCSC IS HOME to the following:

- ▶ INSTITUTE OF GEOPHYSICS AND PLANETARY PHYSICS
- ▶ INSTITUTE OF MARINE SCIENCES
- ▶ SANTA CRUZ INSTITUTE FOR PARTICLE PHYSICS
- ▶ UC OBSERVATORIES / LICK OBSERVATORY

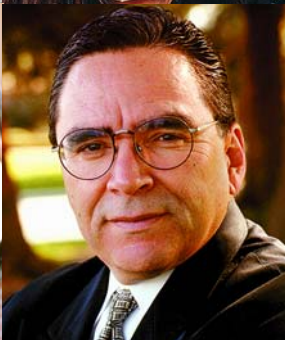
Other research groups study areas such as the biology of RNA, adaptive optics, biomolecular science and engineering, Charles Dickens, agro-ecology, global security, Shakespeare, international economics, linguistics, world cultures, and Satyajit Ray.

## Supporting the campus

THE UC SANTA CRUZ FOUNDATION, UCSC Alumni Association, friends groups, and other donors have given the campus about \$175 million (through the 2000–01 year) in private support. Friends and support groups include:

- ▶ UCSC AFFILIATES
- ▶ UCSC WOMEN'S CLUB
- ▶ UCSC ARBORETUM ASSOCIATES
- ▶ FRIENDS OF THE UCSC FARM & GARDEN
- ▶ FRIENDS OF THE UCSC LIBRARY
- ▶ FRIENDS OF THE UCSC LONG MARINE LABORATORY
- ▶ FRIENDS OF SHAKESPEARE SANTA CRUZ
- ▶ UCSC LIFELONG LEARNERS
- ▶ FRIENDS OF THE DICKENS PROJECT

**Private support for UCSC totaled over \$13.5 million in 2000–01. Annual Giving reached an all-time high, raising nearly \$1.5 million. The W. M. Keck Foundation of Los Angeles provided \$1 million to study the effects of trace metals in the environment and biological systems.**



## Distinguished alumni

**Clockwise from upper left: Geoffrey Marcy, Camryn Manheim, Gordon Ringold, Kent Nagano, Ron Gonzales, and Martha Mendoza**

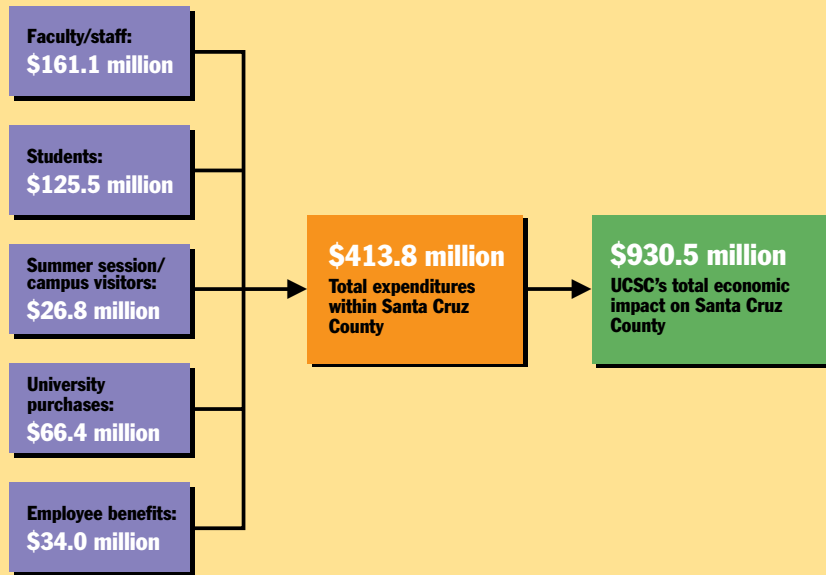
FOR MORE THAN 35 YEARS, UC Santa Cruz has been educating students to become leaders in their fields. People like astronomy alumnus **GEOFFREY MARCY**, part of a team recognized worldwide for its success in finding planets around stars in other solar systems; **CAMRYN MANHEIM**, an Emmy Award–winning actress in the TV series *The Practice*; **GORDON RINGOLD**, a leader in biotechnology whose companies are discovering new ways to diagnose and treat disease; **KENT NAGANO**, principal conductor of the Los Angeles Opera and Grammy Award winner; **RON GONZALES**, elected mayor of San Jose in 1998; and **MARTHA MENDOZA**, part of a Pulitzer Prize–winning team that uncovered a chilling chapter of the Korean War.



**The Seymour Marine Discovery Center, which opened in 2000, is introducing future scientists to the workings of UCSC's world-class Long Marine Laboratory.**

## A cultural and recreational resource

UCSC IS A REGIONAL ASSET, contributing to the cultural and recreational life of Santa Cruz and surrounding counties through performances, exhibitions, films, and lectures. Audiences enjoy offerings by UCSC faculty, visiting lecturers, students, and others. Arts & Lectures presents world-famous entertainers, Shakespeare Santa Cruz is nationally acclaimed, and UCSC's Arboretum is the leading botanical garden in the Monterey Bay Area. The Farm & Garden, Seymour Center at Long Marine Lab, and University Library are open to the public, as is Lick Observatory, atop Mt. Hamilton, east of San Jose. The Sesnon and Smith Galleries present art shows on campus during the academic year. UCSC also has over 25 miles of hiking and jogging trails.



## 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 \$930.5 million in economic activity annually in Santa Cruz County.**

UC SANTA CRUZ, the largest employer in Santa Cruz County, was responsible for nearly a billion dollars of economic activity in Santa Cruz County in the 2000–01 year. 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 over 3,000 courses to more than 55,000 students yearly.



UNIVERSITY OF CALIFORNIA, SANTA CRUZ  
 1156 High Street  
 Santa Cruz, CA 95064  
 Web address: *www.ucsc.edu*

## Campus Directory

Admissions, undergraduate .....	459-4008
Admissions, graduate.....	459-2301
Alumni Association .....	459-2530
Arboretum.....	427-2998
Farm & Garden.....	459-4140
Friends Groups .....	459-2501
McHenry Library .....	459-2711
Performing Arts.....	459-2787
Physical Education .....	459-2531
Public Information Office .....	459-2495
Science Library .....	459-2886
Seymour Center, Long Marine Lab ..	459-3800
Shakespeare Santa Cruz.....	459-2121
Ticket Office .....	459-2159
UC Observatories/Lick Observatory	459-2991
UC Santa Cruz Extension .....	427-6600
UC Santa Cruz Foundation.....	459-2501
University Relations.....	459-2501

*Call (831) 459-0111 for numbers not listed above.*