

EX·PE· RI·ENCE.

Caltech

2015–16 Viewbook

“Caltech is a destination
for people who want
to fulfill their dreams—
their dreams of
discovery in science
and engineering.”

—Caltech president Thomas F. Rosenbaum

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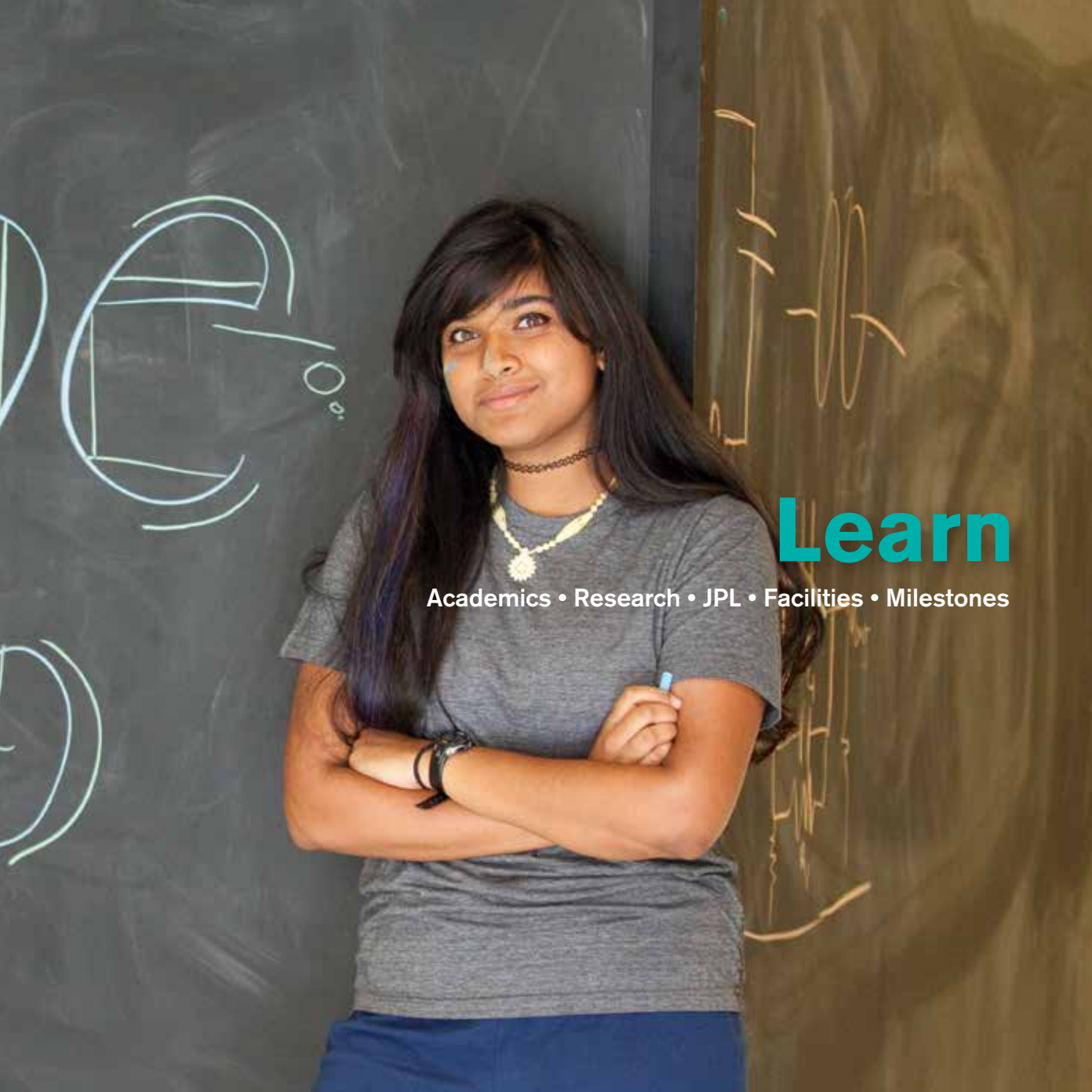
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Learn

Academics • Research • JPL • Facilities • Milestones

Academics

With a challenging curriculum, access to a variety of learning opportunities, hands-on research, collaborations with faculty, and small class size, **a Caltech education is unlike any other.** Our students work toward undergraduate and graduate degrees in more than 20 fields of study, including physics, humanities, economics, math, chemistry, biology, and engineering—alongside their intellectual equals in a collaborative, cooperative environment.

SURF Program

Caltech's Summer Undergraduate Research Fellowships (SURF) program introduces students to the process of research under the guidance of seasoned research mentors at Caltech and JPL.

Study Abroad

Caltech undergraduates interested in exploring the world through education can participate in programs at universities in England, France, Denmark, Scotland, and Australia.

Caltech's Six Academic Divisions

Biology and Biological Engineering

Chemistry and Chemical Engineering

Engineering and Applied Science

Geological and Planetary Sciences

Humanities and Social Sciences

Physics, Mathematics and Astronomy

Premed Program

Joint programs with several local medical centers provide Caltech students with clinical research experience in preparation for applying to medical school.

Hixon Writing Center

Faculty and trained tutors at the Hixon Writing Center work with Caltech students, faculty, and staff to develop writing skills and promote excellence in communication.

95%

of Caltech
undergraduates
participate in research

.....

3:1

Student/
Faculty Ratio



Center for Teaching, Learning, and Outreach

The Center for Teaching, Learning, and Outreach supports all facets of Caltech's educational efforts, including course and curriculum development, tutoring programs, and partnerships with local schools.

#1

in the *Times*
Higher Education
World University
Rankings

**Five years
in a row**



Research

Caltech research provides solutions to the most complex global challenges of the 21st century. The discoveries our researchers make today will help fight disease, maximize environmental resources, and mitigate the impact of natural disasters in the future.

Stay up to date with our latest discoveries at caltech.edu/news.

Sustaining Planet Earth

- Formulating cleaner chemical reactions for the production of hydrogen
- Devising new ways to harness sunlight for better solar fuels
- Creating new biocatalysts to produce more eco-friendly pharmaceuticals

We are...

Advancing Health and Medicine

- Developing therapies to fight diseases such as HIV/AIDS and cancer
- Harnessing gut bacteria for novel disease therapies
- Advancing neural prosthetic implants to allow patients more fluid, natural movement

Improving Information Systems


- Engineering networks that transfer data at world-record speeds
- Transforming data analysis methods to protect individuals' privacy
- Developing potentially better data storage using ultra-fast laser pulses



Engineering Advanced Materials

- Developing the world's lightest and strongest materials and structures
- Engineering biomaterials compatible with living systems
- Designing new materials using discoveries in fundamental science

Explaining Behavior and Economics

- Identifying the neural processes that influence healthy decision making
 - Uncovering how human behavior influences market behavior
 - Understanding legal decisions and their impact on voters and elections
- 



Understanding Our Environment

- Discovering how the splitting of water molecules led to oxygen production on Earth
- Implementing and improving an earthquake early warning system to reduce damage, costs, and casualties
- Studying historical weather events and patterns to predict future changes



Exploring the Universe

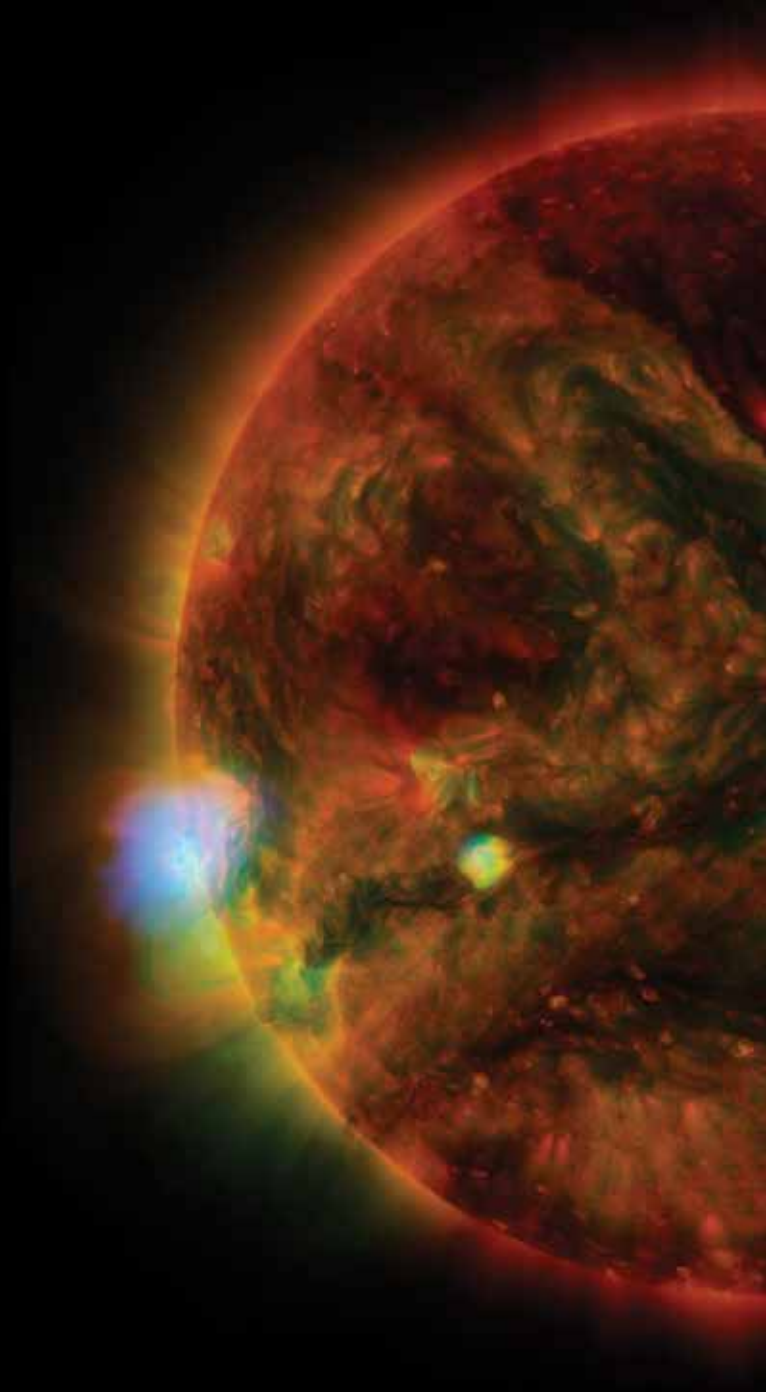
- Studying the earliest bursts of star formation to explain how galaxies form and evolve
- Discovering evidence of the farthest known galaxy in the universe
- Searching for gravitational waves with ever more advanced equipment

Jet Propulsion Laboratory

What began as a student research project overseen by Caltech, JPL has become the leading U.S. center for the robotic exploration of the solar system. Managed by Caltech for NASA, Caltech and JPL scientists and engineers work together on missions that focus on planetary exploration, Earth science, and space-based astronomy.

JPL currently has 19 spacecraft and 10 major instruments on active missions, including the Mars Science Laboratory, which made history when its rover, Curiosity, landed on Mars in August 2012, and the Nuclear Spectroscopic Telescope Array (NuSTAR), which studies the universe with high-energy X-rays to better understand phenomena like black holes and exploding stars.

Learn more about JPL at caltech.edu/content/jet-propulsion-laboratory.





NASA Facilities at Caltech

Infrared Processing and Analysis
Center (IPAC)

NASA Exoplanet Science Institute
(NExSci)

Spitzer Science Center

Herschel Space Observatory

Galaxy Evolution Explorer
(GALEX)

Visit JPL

JPL hosts more than 50,000 visitors
each year through its open house
and von Kármán Lecture Series.

Visit [**jpl.nasa.gov/events**](http://jpl.nasa.gov/events)
to learn more.

*Combining observations from several telescopes, including the Nuclear Spectroscopic
Telescope Array (NuSTAR), this image highlights flaring, active regions of our sun.*

Facilities

Caltech supports its eminent scientists and engineers with state-of-the-art laboratories, observatories, and instruments that enable cutting-edge research.



Seismological Laboratory

Caltech's Seismological Laboratory is a renowned center for geophysical exploration and the epicenter of earthquake research. Here, faculty and students study Earth's structure and dynamics to track, understand, and explain the sources and impact of seismic activity in California and around the world.

Check it out online at **seismolab.caltech.edu**.

LIGO

Caltech operates, with the Massachusetts Institute of Technology, a very different type of observatory—the Advanced Laser Interferometer Gravitational-Wave Observatory. Two recently redesigned and rebuilt facilities—one in Hanford, Washington, and the other in Livingston, Louisiana—operate in unison to detect and measure the ripples in the fabric of space and time caused by passing gravitational waves from cataclysmic cosmic events.

Learn more at **ligo.caltech.edu**.

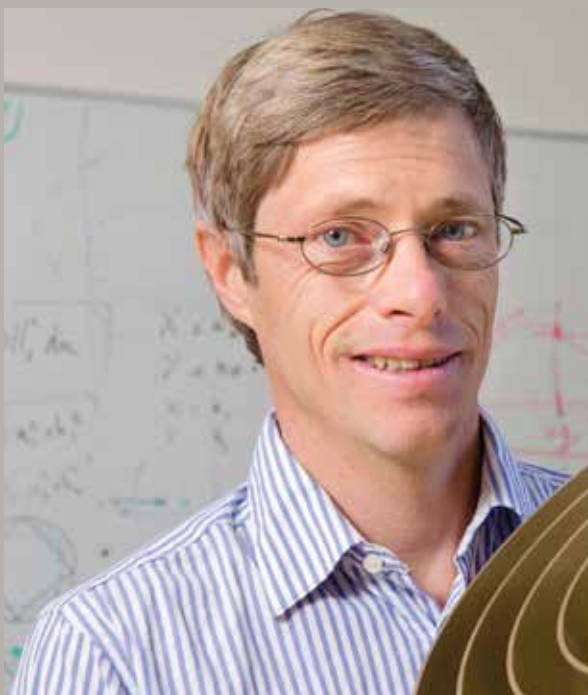
Observatories

Caltech owns or jointly manages some of the world's most advanced astrophysical observatories. By leveraging the telescopes' abilities to see in different parts of the electromagnetic spectrum, our researchers gain access to unprecedented views of the universe.

Our facilities include:

- The W. M. Keck Observatory
- Caltech Submillimeter Observatory
- Palomar Observatory
- Owens Valley Radio Observatory
- Chajnantor Observatory

Find out more at astro.caltech.edu/research/observatories.html.



Campus Instrumentation

Some of the notable on-campus research facilities include:

- Shock and wind tunnels for studying fluid mechanics and simulating conditions for hypersonic aircraft
- An Earth Surface Dynamics Laboratory, featuring a 15-ton flume for studying water and sediment motion
- Gene sequencing facilities as well as a marine laboratory for studying embryonic gene expression
- Advanced brain imaging, eye tracking, and physiological monitoring facilities for neuroscience and neuroeconomics research



Facilities

Linde + Robinson Laboratory

The Linde + Robinson Laboratory is home to the Ronald and Maxine Linde Center for Global Environmental Science and the Terrestrial Hazard Observation and Reporting Center. Here, researchers work toward a more comprehensive understanding of the environment and develop solutions for our most complex environmental problems.



Jorgensen Laboratory

The Earle M. Jorgensen Laboratory houses the Resnick Sustainability Institute and the Joint Center for Artificial Photosynthesis, two of Caltech's energy science and technology research centers. The building's thoughtful design includes low-water landscape design and a real-time energy information system.

Gates-Thomas Laboratory

The Gates-Thomas Laboratory—formerly the Franklin Thomas Laboratory of Engineering—reopened in June 2015 following a yearlong renovation. The building, which is eligible for LEED Gold certification, houses the Department of Mechanical and Civil Engineering and the administrative offices for the Division of Engineering and Applied Science.

Keck Center

The Keck Center is the headquarters of the Keck Institute for Space Studies and the new meeting location for the Caltech Board of Trustees. Keck comprises two buildings—the existing Tolman/Bacher House, which recently underwent extensive renovation, and an entirely new structure that houses an auditorium dubbed the “Think and Do Tank.”

Responsible Stewardship

In 2008, Caltech implemented a series of programs to reduce energy consumption, water use, greenhouse gas emissions, and waste production. These efforts have resulted in increased overall efficiency and the construction of nine buildings that have received the U.S. Green Building Council's coveted Leadership in Energy and Environmental Design (LEED) certification—six at the Gold level and three Platinum.

Milestones

Caltech's scientists and engineers—past and present—are innovative thinkers, each contributing to the Institute's rich history of curiosity, discovery, and accomplishment.

1926

Theodore von Kármán launches Caltech's graduate aerospace program (GALCIT), and with it the birth of Southern California's aviation industry.

1910

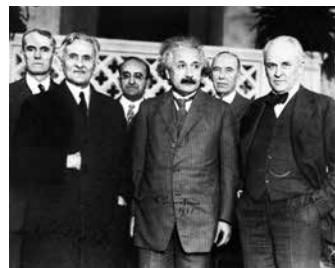
The first building on the modern-day campus, Pasadena Hall, is built at Throop University. When Robert Millikan changed Throop's name to the California Institute of Technology in 1920, Pasadena Hall was renamed Throop Hall. It is now the site of the Turtle Pond.

1929

Caltech builds Southern California's first seismic network. The stations cover a 500-kilometer radius centered around Pasadena.

1931

The Athenaeum hosts its first formal dinner. In attendance were three Nobel Prize winners: Albert Einstein, Robert Millikan, and A.A. Michelson. Einstein was a visiting professor at Caltech until 1933.



1891

Throop University, the forerunner to Caltech, is established.

1924

The original student union, The Dugout, is dedicated, with 376 bricks engraved with students' names. Some of these can still be found on the south wall of Winnett.



1928

Linus Pauling, an alumnus and faculty member who would go on to win two individual Nobel Prizes, writes his first paper on the quantum mechanics of the chemical bond. The same year, Thomas Hunt Morgan arrives with his fruit fly laboratory to found the biology division. Morgan would later go on to win a Nobel Prize in 1933.

1925

Robert Millikan, Ira Bowen, Harvey Cameron, and Russell Otis discover high-energy X-rays bombarding Earth continuously from all directions. They named them "cosmic rays."

1936

JPL's beginnings can be traced to the mid-1930s, when a few Caltech students and amateur space enthusiasts started tinkering with rockets. After an unintended explosion occurred on campus, the group and its experiments relocated to an isolated area next to the San Gabriel Mountains; that site is the current home of JPL.

1947

The 200-inch telescope at Palomar Observatory sees first light.



1950

Richard P. Feynman arrives as a full professor. He would go on to win the Nobel Prize in physics and write several popular science books about physics.

1972

Alumnus Harrison Schmitt walks on the moon as a member of the Apollo 17 crew.

1956

Charles Keeling publishes a graph of rising carbon dioxide levels in the atmosphere. That graph—called the Keeling curve—would become crucial in the discussion of anthropogenic climate change.

1973

The first four women to earn bachelor's degrees from Caltech graduate.



1978

Robert Wilson, an alumnus, wins the Nobel Prize for discovering the cosmic microwave background radiation.

1977

Voyager I launches to explore the solar system. It becomes the first man-made object to travel to interstellar space.

1991

Work begins on what would become the Laser Interferometer Gravitational-Wave Observatory (LIGO).

1998

The Caltech-led BOOMERanG mission maps the cosmic microwave background and proves that the universe is flat.

2012

The Curiosity rover, led by project scientist John Grotzinger, successfully lands on Mars.



2011

John Eiler directly measures dinosaur body temperatures for the first time, using a geochemistry technique he created on tooth fossils.

2003

Stephen Quake launches the field of microfluidics at Caltech, a technology to manipulate fluids thousands of times smaller than a dew drop.





Meet

Faculty • Students • Alumni • Staff

Faculty

Caltech attracts, recruits, and supports scholars who have the passion and courage to tackle complex problems in new ways. While earning recognition for their cutting-edge research in science and engineering, our 1,400 faculty make a difference inside the classroom by inspiring students to convert curiosity into discovery.

Mary B. Kennedy, the Allen and Lenabelle Davis Professor of Biology, researches biochemical signal transduction systems in central nervous system synapses.



“Being around people who are so engaged by their research is very inspiring. In moments full of doubt or exhaustion, it makes you want to get back into it.”

Dehn Gilmore
Professor of English

“Caltech is a place that truly believes if something is hard and worthwhile, you should do it.”

Fiona Harrison
Benjamin M. Rosen Professor of Physics; Kent and Joyce Kresa Leadership Chair, Division of Physics, Mathematics and Astronomy

34 Caltech faculty and alumni have won 35 Nobel Prizes

“At Caltech, we’re always trying to do the first experiment on something, to conduct tests that people haven’t tried or couldn’t get to work, to be ahead of the pack technologically.”

Colin Camerer
Robert Kirby Professor of Behavioral Economics

Caltech’s faculty and alumni garner recognition:

National Medal of Science	58 recipients
National Medal of Technology and Innovation	13 recipients
National Academy of Sciences	75 members
National Academy of Engineering	44 members
American Academy of Arts and Sciences	100 fellows

Students

Caltech students are passionate intellectuals who hail from diverse backgrounds but share an eagerness for discovery. Their proven ability to excel in the most rigorous academic environments has gained them entrance into a community that gives them the freedom to pursue their interests and the opportunity to achieve their dreams.

“Caltech is unique because the small community ... lets you focus really hard on things you like and allows those parts of you—whether science-related or personal—to grow.”

Michael Grappone
Senior, Mechanical Engineering

“The students are so well-connected. For the most part, we all know each other, and people are very willing to help each other out.”

Ellen Yu
Junior, Chemistry

“Caltech offers me the freedom to pursue my non-science passions alongside some of the most brilliant minds in the world.”

Michael Wong
Graduate Student,
Planetary Science

Affording Caltech

Caltech selects students based on their academic and personal strengths—regardless of financial means. The Institute's policy is to provide students with the support required to meet 100 percent of their family's demonstrated need.



Who We Are

graduate students

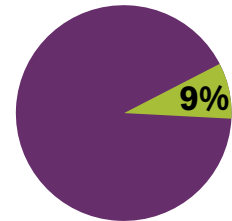
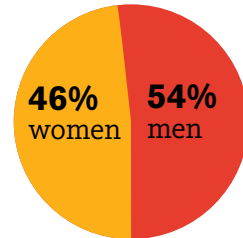
1,272*

1,005*

undergraduate students

* as of October 1, 2015

Class of 2019



6,507 total applicants

573 offered admission

Senior Rob Anderson, a mechanical engineering major, is a member of the men's basketball team and the founder of the Caltech Sustainable Vehicles Club.

Undergrads receiving
need-based assistance **50%**

Average need-based
financial-aid package **\$41,669**

Alumni

Caltech's more than 23,000 living alumni include Nobel Prize-winning scientists (20 of them, to be exact), Academy Award-winning artists, trailblazing corporate executives, successful entrepreneurs, academic leaders, medical pioneers, and technological innovators. Our loyal worldwide network of graduates support and enrich the Institute through the Caltech Alumni Association.

Learn more at
alumni.caltech.edu.



"I think fundamentally, Caltech students are asked to solve puzzles or problems. I credit my Caltech training for equipping me to step back and look at the problem of HIV differently. Throughout my career, that training has made the difference."

David Ho (BS '74)

Director and Chief Executive Officer,
Aaron Diamond AIDS
Research Center

Ho's breakthrough research into HIV in the mid-1990s directly led to a series of treatments that have dramatically increased lifespans for those affected by the disease.



"As I started my career, I looked around and thought, 'Why aren't there more women in engineering like me? And what can I do to change that?'"

Bettina Chen (BS '10)

Cofounder, Roominate

Chen created a building toy set for girls designed to foster an interest in science, technology, engineering, and math.



“Art—like science—is motivated by a curiosity of the world. Your evidence is the people you interact with. Your story is your hypothesis. I studied science but used my training to pursue art. When you come to an institute like Caltech, give yourself the space and leverage to study a variety of things. You never know what will resonate with you the most.”

Iram Bilal (BS '04)

Filmmaker

Bilal's first feature film, set in her native Pakistan, tackles themes of feudalism, social justice, and poverty.



“The kind of work that has been, and continues to be, done at Caltech translates into medicines of the future, which in turn impacts the lives of millions of people.”

Richard Scheller (PhD '80)

Chief Science Officer, 23andMe

In 2013, Scheller received the Albert Lasker Basic Medical Research Award for discoveries relating to the mechanisms of neurotransmission. He now leads research efforts to translate genetic data into new therapies, and serves on the Board of Trustees of Caltech.



“As a Caltech alumna, I've had access to the very best research facilities, faculty, and training that the world can offer and have a degree for which the rest of the world has tremendous respect. With a Caltech degree, people take you seriously the first time they meet you.”

Andrea Ghez (PhD '93)

Professor of Physics & Astronomy, UCLA

Ghez's research helped to demonstrate the existence of a supermassive black hole at the center of our galaxy, with a mass four million times that of our sun.

Staff

Caltech staff possess a diverse set of skills and experiences that contribute in variety of ways to Caltech's mission. They are researchers, finance specialists, fundraisers, food service workers, administrative associates, and technology professionals. And they take great pride in contributing to Caltech's reputation as an exceptional academic community where excellence is found in laboratories, classrooms, and offices alike.

"I love what I do. I feel like the luckiest person alive to have been invited to participate and be a part of Caltech."

Robert Taylor
Instrument Specialist, LIGO

"There is integrity here, and this work is important. It is meaningful to me to be able to share Caltech with the world."

Jodie Lee
Senior Multimedia and Video Specialist,
Academic Media Technologies





“Working at Caltech is much more than a job. It’s being a part of an internationally renowned institution that shapes the world.”

Angelica Santana
Director, HR Systems and Services
Human Resources

“Working at Caltech, I feel like I am part of a family. When I see that smile from my customers—students, faculty, staff—it’s a reward for me.”

Ruben Carmona
Cook, Dining Services

“Caltech is a place where you can grow and develop professionally, and forge lasting friendships with people as diverse as the world itself.”

Chris Henderson
Director, Graphic Resources and
Mail Services







Explore

Campus Life • Did You Know? • Location

Campus Life



Honor Code

At the heart of Caltech is its Honor Code, the principle that has guided the campus—and its community of students, staff, and faculty—since the Institute’s earliest days. It states, **“No member of the Caltech community shall take unfair advantage of any other member of the Caltech community.”**

It’s a simple idea—and one that is valued and regarded by everyone on campus.

Housing

Undergraduate life revolves around eight campus Houses, each of which has unique traditions. First-year students explore each House during a selection period known as Rotation.

“Caltech’s house system makes it truly unique. I love having a network of friends who have supported me throughout my time here.”

Bianca Lepe
Senior, Bioengineering

Traditions

- Ditch Day: one spring day, seniors vanish from campus, leaving behind puzzles and obstacles for the underclassmen to solve.
- Dinners: each weeknight, Houses have sit-down, family-style dinners served by students.
- Interhouse parties: each House has an extravagant annual party, often with outlandish themes and then construct elaborate props.



Our students' blogs let you read about life at Caltech as it happens—from experimental cooking to research at the Large Hadron Collider. Read about it at caltech.typepad.com

Pranks

Caltech students have a history of creating elaborate pranks to celebrate their school pride.

- 1961: Caltech students altered the University of Washington's card stunt during the Rose Bowl Game to display "Caltech."
- 1987: students changed the Hollywood sign to read "Caltech."
- 2005: Caltech students handed out more than 400 prank T-shirts at MIT's preview weekend.
- 2014: just before halftime at the Rose Bowl game, Caltech undergrads erected a 2,000-square-foot sign that spelled out "Pasadena" and "Caltech" in lights.

Campus Life

Athletics, Physical Education, and Recreation

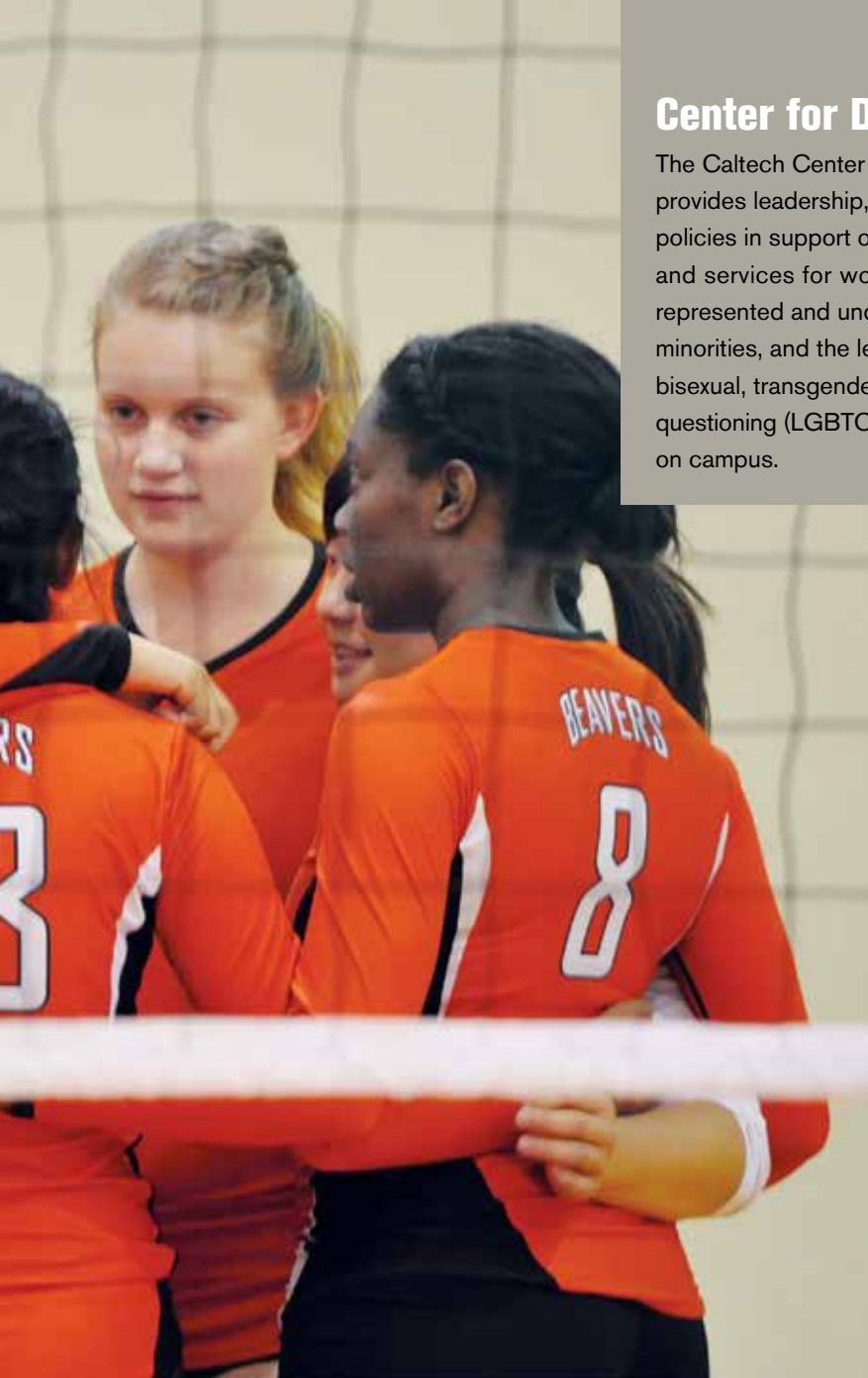
Caltech sponsors 19 varsity teams that compete as members of the NCAA Division III and the Southern California Intercollegiate Athletic Conference (SCIAC).

Undergraduates must complete nine units of physical education to graduate. Course options include table tennis, karate, Ultimate Frisbee, aerobic dance, fitness training, rock climbing, and badminton.

Caltech's athletics and recreation facilities feature two gymnasiums, a 3,500-square-foot weight room with cardiovascular machines, two 25-yard pools, four racquetball courts, eight tennis courts, and more.

Caltech Y

One hundred years after it was founded by Caltech students, the Y continues to provide connections to community and extracurricular activities—planned and implemented by students—that prepare those students to become engaged, responsible citizens of the world.



Center for Diversity

The Caltech Center for Diversity provides leadership, outreach, and policies in support of programs and services for women, under-represented and underserved minorities, and the lesbian, gay, bisexual, transgender, and queer/questioning (LGBTQ) communities on campus.

Performing Arts and Student Organizations

Students passionate about the arts can participate in a variety of groups such as the Caltech Orchestra, Jazz Band, Concert Band, Chamber Music Group, Glee Club, and TAC-IT (Theater Arts at Caltech).

With more than 100 student clubs, including the Anime Society, Ballet Club, Feminist Club, French Club, Juggling Club, Robotics Team, and Student Investment Fund, you will find people on campus who share your interests.

Did You Know?

How well do you know Caltech? These interesting facts—as well as many others—make Caltech ... well, Caltech!

The Caltech mascot is the beaver—an homage to nature's engineer.



The cannon outside Fleming House is actually fired a handful of times throughout the year. We won't tell you when; just be prepared!

Caltech's motto:
“The truth shall
make you free.”

Over the years, the Caltech campus has made cameo appearances in several well-known TV shows and movies



Every morning during finals week, at **7 a.m.** on the dot, Richard Wagner's "Ride of the Valkyries" is played at an **ear-splitting volume.**

The Emmy-nominated television series, ***The Big Bang Theory***, which is set at **Caltech**, taped an episode on campus that featured a cameo appearance by world-renowned astrophysicist **Stephen Hawking.**

The annual Pumpkin Drop takes place at midnight on Halloween, when students drop pumpkins frozen in liquid nitrogen from the top of Millikan Library to see if they

give off a brief glow as they hit the ground and shatter.



Modern Family

The X-Files

The West Wing

Legally Blonde

Entourage

Mission: Impossible

Approved PE classes at Caltech include Ultimate Frisbee, table tennis, and power walking.



Points of Interest

Located in the heart of the city of Pasadena, at the foot of the San Gabriel Mountains, Caltech is minutes from downtown Los Angeles and less than two hours from beaches, mountains, deserts, and the best that Southern California has to offer.

Palm Springs 105 miles east
San Diego 130 miles south
Las Vegas 260 miles northeast
San Francisco 380 miles north

Channel Islands National Park 70 miles west
Joshua Tree National Park 125 miles east
Yosemite National Park 280 miles north

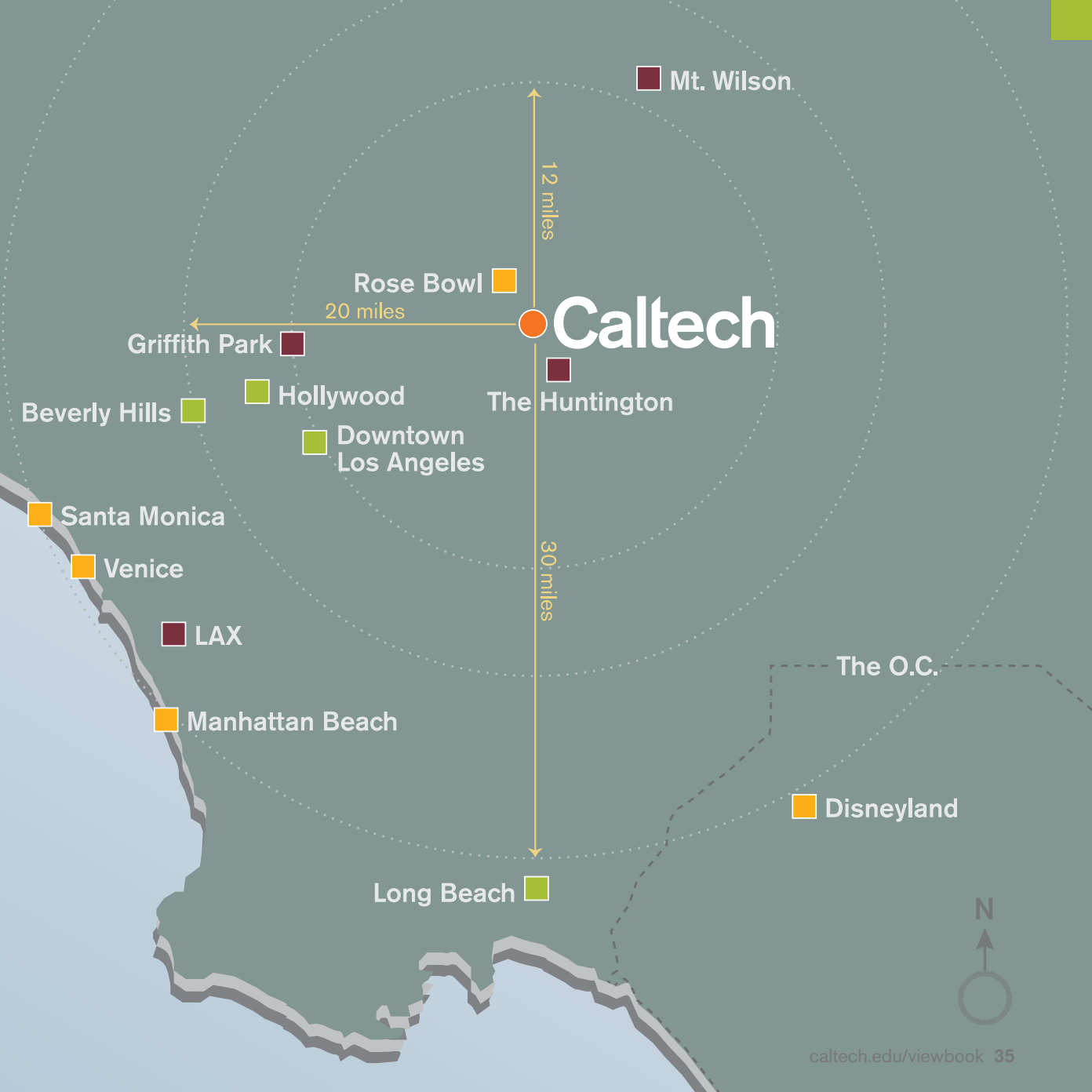


Malibu

Sports Teams

Dodgers
Lakers
Clippers
Kings
Angels
Ducks

Average temp in **January** 68 degrees F
Average temp in **July** 89 degrees F
Average **annual temp** 77 degrees F



Mt. Wilson

12 miles

Rose Bowl

20 miles

Caltech

Griffith Park

The Huntington

Beverly Hills

Hollywood

Downtown
Los Angeles

Santa Monica

Venice

LAX

Manhattan Beach

The O.C.

Disneyland

Long Beach







Engage

Community • Outreach • Support

Community

Caltech is an integral part of Pasadena. Together with JPL, we are the city's largest employer and a source of programs that benefit our neighbors—teachers, businesses, cultural centers, and government.

Public Events

For more than half a century, Caltech has hosted world-class scientists, artists, and speakers in lecture series and performing arts programs as part of *Caltechlive!*. For more information about campus programs, visit caltech.edu/content/public-events or call (626) 395-4652.





Caltech Online

Social Media

Keep up with Caltech on social media to learn about the latest research news and campus events. Like us on Facebook (**California Institute of Technology**), and follow us on Twitter (**@caltech**) and Instagram (**@caltechedu**).

Engineering & Science Magazine

Our flagship publication, *E&S* magazine explores the ideas and discoveries of Caltech's researchers, students, and alumni. *E&S+* is our online platform, where readers will find digital versions of the magazine's top stories plus specially created and curated content.

Read on at **eands.caltech.edu**.

Now@Caltech

To get the latest Institute news and top stories about Caltech in the media delivered to your email inbox, subscribe to **Now@Caltech**, our weekly, full-color e-newsletter.

Sign up at **caltech.edu/content/subscribe-nowcaltech**.

Outreach

A photograph of three young men sitting at a long, dark, reflective table in a classroom or lab setting. They are all focused on their work, with the man in the foreground using a laptop. The background is slightly blurred, showing a green fan and some lab equipment.

Educational Outreach

Whether you're young or old, near or far, Caltech offers you the opportunity to connect with us through a variety of educational and cultural outreach programs offered by our students, faculty, and staff.

Find out more at caltech.edu/content/educational-outreach.

A photograph of three students in a classroom or computer lab. A young woman with long dark hair is in the foreground, focused on her laptop. Behind her, a young man is also looking at a laptop. To the right, a young woman with blonde hair is looking towards the camera. They are all sitting at a desk with laptops and notebooks. The background is slightly blurred, showing other parts of the room.

Online Education

Designed for Caltech students but free for anyone with an Internet connection and a passion for science and engineering, several Caltech courses are now available online. These programs aim to share our knowledge with the world.

Get started at **online.caltech.edu**.



Connect with Us

Every gift to Caltech makes a difference. Your support enhances our educational environment, accelerates research, and affords students and faculty the opportunities to reach their potential. To learn more about giving to Caltech, visit caltech.edu/support.

Caltech Associates

Celebrating a 90-year legacy in 2016, the Caltech Associates is a vibrant philanthropic organization of approximately 2,000 community members, business leaders, entrepreneurs, and academics. Through dynamic programming and unique travel opportunities with faculty and students, Associates gain valuable insights into the academic and educational life on campus. For more information, visit associates.caltech.edu or call **(626) 395-3919**.

Caltech Fund

By cultivating support from current students, parents, and young alumni, the Caltech Fund enhances the student experience by providing support for undergraduate scholarships, graduate fellowships, student life, and research funds. For details, go to fund.caltech.edu or call **(626) 395-6323**.

Friends of Caltech

Support Caltech's academic, cultural, and civic activities through these organizations:

Friends of Beckman Auditorium has supported the performing arts at Caltech for more than 40 years. Visit caltech.edu/content/fob for more information.

Friends of the Caltech Libraries provides library materials, equipment, and services that enhance research and learning. Find out more at library.caltech.edu/friends.

Campus Tours

Prospective students are encouraged to take part in student-led tours and information sessions with admissions counselors. To find out more, visit **admissions.caltech.edu** or call **(626) 395-6341**.

Architectural tours offer visitors and residents a unique perspective on Caltech. For reservations and information, call **626-395-4656**.



credits

Produced by the Office of Strategic Communications, Caltech

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Stephanie Diani: 2-3; Lance Hayashida: 5, 6-7, 14 (bottom left), 16-17, 21, 24, 26-27, 28, 29, 40-41, 42-43; Lance Hayashida and Jenny Somerville: 6-7, 32-33, 34-35; NASA/JPL-Caltech: 8-9; Palomar/Caltech: 10; Seth Hansen: 11, 18; Randall Howard: 12-13; Courtesy Caltech Archives: 14 (top), 15 (top, bottom); Courtesy Caltech Athletics: 30-31; NASA/JPL-Caltech: 15 (bottom); courtesy of MacArthur Foundation: 22 (left); courtesy of Genentech: 22 (right); Dustin Snipes: 23 (left); Jon Rou: 23 (middle); Danny Ghitis: 23 (right); Mario de Lopez: 25; Jenny Somerville: 36-37; Bob Paz: 38-39

Caltech

1200 East California Blvd., Pasadena, CA 91125



■ www.caltech.edu

