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FAST FACTS

<table>
<thead>
<tr>
<th>Founded</th>
<th>Most Popular Course</th>
<th>Most Popular 2nd Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>1891</td>
<td>Cooking Basics</td>
<td>Business Economic Management</td>
</tr>
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</table>

<table>
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<tr>
<th>Mascot</th>
<th>Percentage of Double Majors</th>
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<td>20</td>
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<th>Student Newspaper</th>
<th>Motto</th>
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<td>The California Tech</td>
<td>The truth shall set you free.</td>
</tr>
</tbody>
</table>

**BASIC ELEMENTS OF CONNECTIVITY**

**Approachable Mentors**
- Nobel Prize winning Professor David Politzer teaches a Junior Seminar on the Science of Music.
- Professor Julia Greer set aside her fabrication of 3D nano-lattice materials to play the accompaniment for the 2014 Spring musical Rent.
- Professor Paul Asimow—a recipient of the Richard P. Feynman Prize for Excellence in Teaching—engaged in a wizard’s duel in a Hogwarts-themed Ditch Day Stack.

**Cutting-edge Tools & Technology**
- Functional MRI
- TS Hypervelocity Shock Tunnel
- Lucas Wind Tunnel
- Paleomagnetics/ Biomagnetics lab
- Drosophila Repository (one of two in the US)

**Eminent Faculty and Alumni**
- 345 other significant awards and prizes
- Both Directors of DARPA and the NSF are Caltech alumni

**Impressive History**
Caltech has hosted just a few luminaries over the years.
- Albert Einstein
- Stephen Hawking
- John B. Goodenough

**Student/Faculty Ratio**
Lowest of any research university in the country!

**Approachable Mentors**

**FAST FACTS**

- Founded: 1891
- Most Popular Course: Cooking Basics
- Most Popular 2nd Major: Business Economic Management
- Mascot: The Beaver, nature’s engineer
- Percentage of Double Majors: 20%
- Student Newspaper: The California Tech
- Motto: The truth shall set you free.

KATIE FISHER
2015, Chemistry

**THE CALTECH THEORY OF CONNECTIVITY**

All elements of the Caltech Community have a high probability of establishing bonds with all other elements—peers, teachers, researchers, and labs.

“Getting to work with Prof. Harry Gray is a really neat experience. He’s studied everything, from bonding in metal complexes to electron transfer in proteins, and he’s pioneered the field of inorganic chemistry in a lot of ways. He helped set up my first SURF. After that, I asked if he had a place in his lab for me to work. We get a lot of opportunities to present our research and ask for feedback. It’s really cool to talk with a world class scientist about research.”

CAFÉS, STUDY SPOTS, AND STUDENT ORGANIZATIONS

**THE CALTECH HONOR CODE: NUCLEUS OF THE COMMUNITY**

No Member of the Caltech community shall take unfair advantage of any other member of the Caltech community.

Manifestations:
- Non-proctored, take-home exams
- Collaborative homework assignments
- 24/7 access to classrooms and facilities
- High level of trust and collaboration at all levels

**THE CALTECH HONOR CODE**

**NUCLEUS OF THE COMMUNITY**

No Member of the Caltech community shall take unfair advantage of any other member of the Caltech community.

**Eminent Faculty and Alumni**

- 32 Nobel Prize Winners (33 prizes)
- 345 other significant awards and prizes
- Both Directors of DARPA and the NSF are Caltech alumni

**CALIFORNIA INSTITUTE OF PRANKOLOGY**

CALTECH MADE ITS FIRST APPEARANCE AT THE ROSE BOWL IN 1962 WHEN TECHERS TRICKED A STADIUM FULL OF DEDICATED WASHINGTON HUSKIES FANS INTO HOLDING UP FLIP CARDS THAT SPELLED OUT CALTECH!

More pranks? caltech.edu/pranks

“At Caltech, our low 3:1 student-to-faculty ratio encourages our students to build meaningful relationships with our world-class professors. This results in unparalleled access to academic and professional mentoring that typically goes beyond a student’s undergraduate years.”

**Linus Pauling, Caltech Alumnus (1922-1925) and Professor (1927-1963), identified the nature of the chemical bond—considered the most important discovery in the history of chemistry.**

**Joann Stock**
Faculty Chair of the Freshman Admissions Committee, and Professor of Geology and Geophysics

**TECHER QUIRK**

More pranks? caltech.edu/pranks

“Linus Pauling, Caltech Alumnus (1922-1925) and Professor (1927-1963), identified the nature of the chemical bond—considered the most important discovery in the history of chemistry.”

“Caltech made its first appearance at the Rose Bowl in 1962 when Techers tricked a stadium full of dedicated Washington Huskies fans into holding up flip cards that spelled out Caltech!”

4

admissions.caltech.edu

3
**ACADEMIC DIVISIONS**

- Aerospace Engineering
- Control & Dynamical Systems
- English
- Geology & Planetary Sciences
- History
- History & Philosophy of Science
- Philosophy
- Structural Mechanics

**MINORS**

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- Control & Dynamical Systems
- English
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- History & Philosophy of Science
- Philosophy
- Structural Mechanics

**STUDY ABROAD PROGRAMS**

- Cambridge Scholars Program
- London Scholars Program
- Copenhagen Scholars Program
- Edinburgh Scholars Program
- École Polytechnique Scholars Program
- Melbourne Scholars Program
- More programs at studyabroad.caltech.edu

**I am extremely grateful that my physics education at Caltech has enabled and encouraged me to pursue research experiences in many places. This summer I am very excited to be doing a research internship at the Max Planck Institute of Quantum Optics in Germany, and to have the opportunity to travel around Europe.**


**I was surprised by how approachable the professors were. Even though a lot of them are famous and have done a lot in their field, they are all very willing to answer questions and help the students in any way that they can.**

Esther Du 2016, Computer Science

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**TECHER QUIRK**

**HUMANITIES AND SOCIAL SCIENCE COURSES OFTEN APPEAL TO THE INTERESTS OF THE SCIENTIFIC MIND, WITH COURSE TITLES LIKE HISTORY OF MECHANICS FROM GALILEO THROUGH EULER, THE COLD WAR AND AMERICAN SCIENCE, THE SCIENCE FICTION FILM, AND PHILOSOPHY OF SPACE AND TIME. GOTHIC FICTION AND MORAL PHILOSOPHY AND THE BRAIN ARE SO POPULAR THEY ARE FILLED BY LOTTERY.**

---

**CALTECH THEORY EXPANSION**

**Techer minds are subject to decreasing density and rapid expansion due to the positive force of Caltech’s educational model—learning through discovery.**

---

**ACADEMIC ABSOLUTES**

Our world class education begins with one of the country’s most demanding core curricula. An interdisciplinary foundation and exposure to all the sciences affords Techers the opportunity to declare their option after three terms of classes, the first two of which are graded pass/fail.

---

**ACADEMIC VARIABLES**

- Applied & Computational Mathematics
- Applied Physics
- Astrophysics
- Biophysics
- Biochemistry & Management
- Chemical Engineering
- Chemistry—choose from 4 concentrations:
  - Biochemistry
  - Chemical Physics
  - Inorganic Chemistry
  - Organic Chemistry
- Computer Science
- Economics
- Electrical Engineering—choose from 6 concentrations:
  - Communications & Signal Processing
  - Control
  - Electronic Circuits
  - Microwave & Radio Engineering
  - Optoelectronics
  - Solid State Electronics
- Engineering & Applied Science—choose from 2 concentrations:
  - Computation & Neural Systems
  - Materials Science
- English
- Geobiology
- Geochemistry
- Geology
- Geophysics
- History
- History & Philosophy of Science
- Independent Studies Program
- Mathematics
- Mechanical Engineering
- Philosophy
- Physics
- Planetary Sciences
- Political Science

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Hey Future Techers!

Here at Caltech, we’re shaping the world of tomorrow. Our students work side-by-side with some of the greatest minds in science and technology, tackling some of the most challenging problems of our time. Join us and use your curiosity to solve complex global challenges.

**SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF)**

Through this program, students have the opportunity to engage in cutting-edge research projects. During the course of their fellowship, Techers have access to many of the finest research facilities in the world, plus an opportunity to receive personal mentoring from global leaders in their respective fields.

- **10 research weeks in SURF**
- **$6,000 stipend** (provided by fellowship)
- **95% proposal acceptance rate for Techers**
- **80% of all Techers participate in SURF**
- **1/3 of current Techers received SURFs in 2014**
- **59% of first-year students participated in 2014**

Learn more! [surf.caltech.edu](http://surf.caltech.edu)

**A FEW OF THE MOST POPULAR PLACES TECHERS INTERNS**

- **Google**
- **JPL**
- **Microsoft**
- **Boeing**
- **Northrop**
- **Grumman**
- **CERN**
- **SpaceX**
- **Apple**
- **Boeing**

**CALTECH THEORY ATTRACTION**

High proximity and reciprocal respect enable the Techer element to form strong academic and professional bonds with top-tier faculty, researchers and other like-minded individuals.

**STUDY AT THE EPICENTER OF SCIENTIFIC ADVANCEMENT**

Caltech owns and/or operates over 50 cross-disciplinary research centers and institutes where students are at the center of some of today’s most complex global challenges. These include:

- **NASA Center** in addition to JPL
- **5 Nobel Science laureates**
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**NASA Centers in addition to JPL**

- **Caltech’s Sun & InfoScience**
- **NASA Science Robotics center—Kaplan** (NASA’s Jet Propulsion Laboratory—JPL), Weightless Science, Mars, and Space Science
- **NASA’s Advanced Sensor Laboratory, Infrared, (PICO)**
- **Space Station Telescope**

**Microsoft Corporation**

- **10,000 Microsoft scientists and engineers work on more than 100 products and services**

**University of California, Los Angeles (UCLA)**

- **LIGO**
- **Kavli Institute for Theoretical Physics**
- **Kavli Institute for Cosmological Physics**

**Scripps Institute of Oceanography**

- **JPL allow students to do research at the forefront of planetary and earth sciences. For example, using remote sensing technology I can study the detection of sulfur dioxide plumes from volcanoes.**

**Bobby Sanchez**

**TEACHER QUIRK**

**Scripps is the only university to manage and operate a NASA site: the NASA Jet Propulsion Laboratory, JPL Center and Spacecraft and Instrumentation on 14 active missions, currently returning data from the furthest reaches of space.**

**More pranks? caltech.edu/pranks**

**CALIFORNIA INSTITUTE OF PRANKOLOGY**

14 APRIL 2014: Techers delivered 800 heat-sensitive coffee mugs to MIT’s admitting office. The amazing scientists and resources available at JPL allow students to do research at the forefront of planetary and earth sciences. For example, using remote sensing technology I can study the detection of sulfur dioxide plumes from volcanoes.**

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**CALIFORNIA INSTITUTE OF PRANKOLOGY**
 Bodies in Motion Stay in Motion!  
- 80% of students participate in intercollegiate, club, intramural, and informal recreational activities.  
- Caltech competes in the Southern California Intercollegiate Athletic Conference (SCIAC) and has racked up a number of landmark victories and honors!

Learn more! gocaltech.com

19 Division III Varsity Teams

Baseball  Basketball  Cross Country  Fencing  Soccer  Swimming & Diving  Tennis  Track & Field  Volleyball  Water Polo

2015, Applied & Computational Mathematics
Lekha Viswanadham,

The social life of a Techer accelerates when exposed to powerful on-campus forces such as housing, athletics, fine arts, and special-interest organizations.

Life revolves around 8 on-campus houses

85% of students live in Caltech housing.

A life immersed among brilliant peers:
- Discover the personalities and traditions of each house and submit your preference list during Rotation (the week before classes).
- Study, socialize, and dine together—every house has a student Grill Master!
- Students remain part of the same close-knit community 4 years.

The MOSH, the Master of the Student Houses, is a professor who hosts faculty-student events and traditions of each house and submits their preference list during Rotation (the week before classes).

The MOSH acts as liaison between Caltech hosts faculty-student events and traditions of each house and submits their preference list during Rotation (the week before classes).

Some favorite Physical Education courses include:

- Basketball
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EVERY HALLOWEEN NIGHT, STUDENTS DUNK PUMPKINS IN LIQUID NITROGEN AND DROP THEM FROM CALTECH’S TALLEST BUILDING (MILLIKAN LIBRARY) DURING THE ANNUAL “PUMPKIN DROP”.

Admissions analysis of academic and personal data for any given student remains more of an art than a science.

TECHERS-BY-THE-NUMBERS

STUDENT ENROLLMENT 2014-2015

MID-RANGE TEST SCORES

CLASS SIZE

63% of classes have fewer than 20 students
33% of classes have fewer than 10 students
3% of classes have more than 100 students
3:1 student-to-faculty ratio

CLASS OF 2019 RAW DATA

THE FINANCIAL EQUATION

• Average undergraduate need-based financial aid package (2014-2015) $41,669
• Average indebtedness in 2014: $12,104; less than half the national average of $33,000 (SOURCE: WSJ)
• Over 1/2 of our students receive need-based aid
• Caltech meets 100% of demonstrated need for U.S. Citizens and Permanent Residents

TUITION AND FEES

One-time Student Orientation Fee $500
Tuition $43,710
Student Fees $1,680
Room $7,536
Board (5 days/week) $5,836
Additional Meal Allowance (out of state) $1,413
Books and Supplies (out of state) $1,223
Personal Expenses (out of state) $1,974
Total Estimated Cost $63,471*

CONTACT INFORMATION

Undergraduate Admissions Office
ugadmissions@caltech.edu
626-395-6341
admissions.caltech.edu

Visit Caltech! admissions.caltech.edu/visit

*For a more accurate estimate of your cost, please visit the Net Price Calculator at finaid.caltech.edu

TECHER QUIRK

IN 1972, A STUDENT RETURNING FROM A WEEK’S VACATION FOUND THAT HIS ENTIRE DORM ROOM HAD MYSTERIOUSLY VANISHED. PRANKSTERS HAD CAREFULLY PLASTERED AND PAINTED OVER THE DOOR, ADDED BASEBOARD, REPLACED A LIGHTING FIXTURE AND… PRESTO! ONE LESS ROOM.

More pranks? caltech.edu/pranks

CALIFORNIA INSTITUTE OF PRANKOLOGY

Apply online: commonapp.org

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SUCCESS

Data collected over a period of 123 years has provided overwhelming evidence to support the hypothesis that Caltech graduates are highly motivated, in high demand, and highly valued.

LIFE AFTER CALTECH

Caltech’s undergraduate programs provide an educational foundation that enables graduates to pursue advanced education and/or careers in a vast array of fields. For example:

<table>
<thead>
<tr>
<th>Computers and Technology</th>
<th>Apple, Google, IBM</th>
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<tr>
<td>Entertainment and Media</td>
<td>Amazon, Facebook, Pixar</td>
</tr>
<tr>
<td>Energy and Utilities</td>
<td>Exxon Mobil, GE, SoCal Edison</td>
</tr>
<tr>
<td>Education</td>
<td>Stanford, UC Berkeley, Caltech, MIT, Princeton</td>
</tr>
<tr>
<td>Finance and Business</td>
<td>AmEx, Morgan Stanley, Goldman Sachs</td>
</tr>
<tr>
<td>Health Services &amp; Biotechnology</td>
<td>Amgen, Genentech, Mayo Clinic</td>
</tr>
<tr>
<td>Transportation and Aerospace</td>
<td>JPL, Lockheed Martin, GM</td>
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</table>

55%: percentage of undergraduates who go directly to graduate school

$82,000: average starting salary for Caltech graduates (82% higher than the national average of $45,300!)

150 to 200: employers actively recruiting Caltech students on campus

8: average number of Caltech startups launched each year

110: average number of patents filed per year over the last 5 years