IMPORTANT WEBSITES AND PHONE NUMBERS
All numbers are in the 626 area code.

Athletics, Physical Education, & Recreation ............... 395-6146
  www.gocaltech.edu

Bookstore ................................................. 395-6161
  www.bookstore.caltech.edu

Caltech Y ..................................................... 395-6163
  www.caltechy.org

Career Development Center ................................. 395-6361
  www.career.caltech.edu

Counseling Center ......................................... 395-8331
  www.counseling.caltech.edu

Dean of Graduate Studies Office ........................... 395-6346
  www.gradoffice.caltech.edu

Financial Aid ............................................... 395-6280
  www.finaid.caltech.edu

Graduate Student Council
  gsc.caltech.edu

Health Center .............................................. 395-6393
  www.healthcenter.caltech.edu

Health Education ........................................... 395-2961
  www.healtheducation.caltech.edu

Housing Office ............................................. 395-6176
  www.housing.caltech.edu/grad

International Student Programs ............................ 395-6330
  www.isp.caltech.edu

Minority Student Education ................................. 395-6207
  www.msa.caltech.edu

Office of Campus Life ...................................... 395-6194
  www.studentlife.caltech.edu

Performing & Creative Arts ................................. 395-3295
  www.music.caltech.edu

Registrar's Office .......................................... 395-6297
  www.registrar.caltech.edu

Security Office ............................................ 395-4701
  www.security.caltech.edu

Women's Center ............................................ 395-3221
  www.womenscenter.caltech.edu

Vice President for Student Affairs ......................... 395-6100
  www.studaff.caltech.edu

Emergency Response ....................................... 395-5000
NEW STUDENT INFORMATION GUIDE

2008–2009
Dear New Student,

I would like to take the opportunity to once again welcome you to the California Institute of Technology and provide you with some information that I hope you will find helpful in making the transition to Caltech smooth and enjoyable.

Upon your arrival at Caltech, you should first check in with your primary option. Most department offices are open from 8:00 AM - 5:00 PM, Monday - Friday. Your secretary will provide you with keys, a mailbox, lab space, a schedule of departmental meetings, etc. Your next stop should be the Graduate Office (Room 230 - Center for Student Services). U.S. citizens should also bring to the Graduate Office the identification necessary for completing an I-9 (social security/driver's license/passport, etc.) Also, if you have any questions that are not answered in the enclosed welcome packet, please do not hesitate to inquire at the Graduate Office, as our helpful staff is here to make your arrival as smooth as possible.

Pre-orientation for international students begins on September 15, 2008, and a detailed schedule will be provided by the International Student Programs Office.

The formal orientation week for all new graduate students begins on Sunday, September 21, 2008, with the Dean's Welcome followed by Convocation. We hope that you will be able to join us for this celebration. A detailed schedule of all of the week's orientation activities can be found on the Graduate Office Website at www.gradoffice.caltech.edu/orientation. The information will be updated periodically throughout the summer, so be sure to check back often for the latest schedule.

In addition to a host of administrative offices that are here to make your time productive and enjoyable, there are several student groups and programs at Caltech that will provide you with opportunities to get involved in various aspects of Caltech life. These include the Graduate Student Council, the Graduate Review Board, WEST (Women in Engineering, Science, and Technology), Theater Arts, the Glee Club, the Caltech Y, and several national, cultural, political and sports clubs. For more information on these and other organizations at Caltech, please consult the Technique at technique.caltech.edu, or the main Graduate Office Website at www.gradoffice.caltech.edu.

If you have any questions regarding orientation activities, please contact the Graduate Office by telephone or by e-mail (GradOrientation@caltech.edu). I look forward to meeting you soon.

Sincerely,

Michael R. Hoffmann
Dean of Graduate Studies
Dear new graduate student:

Welcome to Caltech! Where to go to grad school is a difficult choice, but I trust you'll find you made the right one. On behalf of the Graduate Student Council (GSC), I'd like to welcome you to the Caltech community and let you know about some of the things we do to try to meet our mission of 'maximizing the quality of life for graduate students'.

The GSC publishes a monthly newsletter available online (http://gsnnews.caltech.edu/) where you can find more detailed information about what's going on around campus. For those of you arriving during the summer, you should check out our online calendar of GSC-promoted social events (http://gsc.caltech.edu/social/) including our monthly social hour (GUSH) and our quarterly term party. For the rest of you, we look forward to meeting you during New Student Orientation (NSO), your week-long introduction to Caltech and LA. We are working hard to plan a fun and informative time for you since we all have such good memories of our orientation week here.

After orientation, you'll start classes and research, but we hope you don't fall off the face of the map. Though small, Caltech is a rich and vibrant community. Interesting things are going on all the time, so don't feel like you have to be stuck in lab 24/7. The GSC Board of Directors has the responsibility of deciding how to spend your graduate student dues in addition to generous donations from the Office of Campus Life, the Alumni Association, the Grad Office, and others. This adds up to a pretty hefty sum, which testifies to Caltech's commitment to keep its students happy and productive. That being said, we need your input on how to best help 'maximize the quality' of your life. Visit our website (http://gsc.caltech.edu/) to get more information about how to get involved. We have committees that address many facets of student life: social, academic, and student advocacy, so you can certainly find something that fits your interests.

I hope you have a great summer, and I look forward to meeting you in the fall.

Evans Boney
Chair, GSC
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ARRIVAL AND CHECK-IN PROCEDURES

All incoming graduate students should plan to check in on Sunday, September 21. A detailed schedule of orientation activities can be found on the Orientation website at http://www.gradoffice.caltech.edu/orientation/. International students must check in for International Student Orientation on Monday, September 15. If you have any questions about the International Student Orientation call (626) 395-6330 or email isp@caltech.edu. You may also visit the International Student Program website at http://www.isp.caltech.edu.

GETTING TO CALTECH

From Los Angeles International Airport (LAX)
By automobile, take Sepulveda Boulevard to the Glen Anderson Freeway (105). Proceed east on the 105 to the Harbor/Pasadena Freeway (110). Go north on the 110 until it ends on Arroyo Parkway in Pasadena. Continue north on Arroyo Parkway to California Boulevard. Turn right onto California Boulevard and proceed to Caltech.

By public transportation, take the airport bus to the Pasadena Hilton, the Pasadena Westin, or the Pasadena Holiday Inn. Then take a taxi from the hotel to the campus.

In addition, several van shuttles offer door-to-door service from the airport.

From Bob Hope Airport (BUR) [Burbank, Glendale and Pasadena]
Follow the signs leaving the airport to the Golden State Freeway (5). Proceed south on the 5 to the Ventura Freeway (134). Go east on the 134 to the Foothill Freeway (210). Continue east on the 210 to Hill Avenue. Travel south (right) on Hill Avenue until you reach campus.

From Downtown Los Angeles
Proceed north on the Harbor/Pasadena Freeway (110) until it ends on Arroyo Parkway in Pasadena. Continue north on Arroyo Parkway to California Boulevard. Turn right onto California Boulevard and proceed to Caltech.

From West Los Angeles
Proceed east on the Santa Monica Freeway (10) to the Harbor/Pasadena Freeway (110). Go north on the 110 until it ends on Arroyo Parkway in Pasadena. Continue north on Arroyo Parkway to California Boulevard. Turn right onto California Boulevard and proceed to Caltech.

From Orange County or the San Gabriel Valley
Travel north on the San Gabriel River Freeway (605) to the Foothill Freeway (210). Go west on the 210 to the Hill Avenue exit. Turn left onto Hill Avenue and follow it to campus.
Getting to Pasadena

From Distance Time
LAX 35 miles 60 min
Bob Hope Airport (BUR) 20 miles 30 min
Ontario Airport 50 miles 60 min
Union Station (LA) 25 miles 35 min
Downtown LA 25 miles 35 min
West Los Angeles 35 miles 60 min

Airport Transportation

Making advance arrangements with a shuttle service from the airport to Caltech is a smart thing to do, but not essential. To be safe, you should make your reservations at least one week in advance. The two closest airports to the Caltech campus are Los Angeles International Airport and Bob Hope Airport (the closest). The Super Shuttle - which operates a 24-hour a day shuttle service at both locations - can bring you from the airport to the Hollistion parking structure (370 S. Holliston), next to the Center for Student Services. When making your reservations, please ask for the "Caltech Corporate Rate" to get the best price, and tell the Super Shuttle agent that you wish to be dropped off at the corner of Hollistion and San Pasqual, also known as "Caltech Stop 1". This is a good drop off point on September 21 or anytime you are arriving after 5 PM. The toll free number for the Super Shuttle service is (800) 554-3146.
CAMPUS MAP LEGEND

BUILDING/OFFICE NAME

Athenaeum (Faculty Club) . . . . . . . . . . . . . . . . . . 61
Athletic Center . . . . . . . . . . . . . . . . . . . . . . . . . 1, 2
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DUE ASAP
• Health Forms - If you have not already submitted the forms mailed to you earlier, please tear our the forms on pages 41-45 and mail using the enclosed envelope.

DUE AUGUST
• Orientation Field Trip Sign-up
  http://www.studentlife.caltech.edu/newstudent

DUE AUGUST 17
• Username preference for email account

SEPTEMBER 15
• Early Arrival for students attending Pre-Orientation week

SEPTEMBER 21
• Dean’s Welcome and Convocation for all New Students
HIGHLIGHTS OF NEW STUDENT ORIENTATION SCHEDULE

MONDAY, SEPTEMBER 15 THROUGH FRIDAY, SEPTEMBER 19
International Student Pre-orientation

SUNDAY, SEPTEMBER 21

**11:00 AM - noon**
Dean’s Welcome to Caltech

**Noon - 2:00 PM**
Picnic Lunch and Games

**4:30 PM - 5:30 PM**
Convocation

MONDAY, SEPTEMBER 22

**All Day**
Division Orientations

**All Day**
Placement Testing
(if applicable)

TUESDAY, SEPTEMBER 23

Introduction to Caltech Graduate Life and Campus Resources

WEDNESDAY, SEPTEMBER 24

Introduction to Caltech Graduate Life and Campus Resources

THURSDAY, SEPTEMBER 25

Mandatory TA Training

*There are more fun and informative activities being planned, so be sure to check the website (http://www.gradoffice.caltech.edu/orientation/default.htm) for the latest updates. Students will receive a final schedule when they check in on Sunday, September 21.*
# Academic Calendar 2008-2009

## First Term 2008

<table>
<thead>
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<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 15-19</td>
<td>Pre-Orientation for International Students</td>
</tr>
<tr>
<td>September 21</td>
<td>New Student Check-In</td>
</tr>
<tr>
<td>September 21-27</td>
<td>New Student Orientation</td>
</tr>
<tr>
<td>September 29</td>
<td>Beginning of instruction - 8:00 AM</td>
</tr>
<tr>
<td>October 17</td>
<td>Last day for adding courses and removing conditions and incompletes</td>
</tr>
<tr>
<td>October 29-November 4</td>
<td>Midterm examination period</td>
</tr>
<tr>
<td>November 10</td>
<td>Midterm deficiency notices due - 9:00 AM</td>
</tr>
<tr>
<td>November 19</td>
<td>Last day for dropping courses, exercising pass/fail option, and changing sections</td>
</tr>
<tr>
<td>November 20-December 5</td>
<td>Registration for winter term 2008-2009</td>
</tr>
<tr>
<td>November 21</td>
<td>Last day for admission to candidacy for the degrees of Master of Science and Engineer</td>
</tr>
<tr>
<td>November 27-28</td>
<td>Thanksgiving (Institute holiday)</td>
</tr>
<tr>
<td>December 5</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>December 6-9</td>
<td>Last day to register for winter term, 2008-2009, without a $50 late fee</td>
</tr>
<tr>
<td>December 10*-12</td>
<td>Final examinations, fall term, 2008-2009</td>
</tr>
<tr>
<td>December 12</td>
<td>End of fall term, 2008-2009</td>
</tr>
<tr>
<td>December 13- January 4</td>
<td>Winter recess</td>
</tr>
<tr>
<td>December 17</td>
<td>Instructors’ final grade reports due - 9:00 AM</td>
</tr>
<tr>
<td>December 25-January 2</td>
<td>Christmas and New Year Holidays (Institute holiday)</td>
</tr>
</tbody>
</table>

*First due date for final examinations

## Second Term 2009

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 5</td>
<td>Beginning of instruction - 8:00 AM</td>
</tr>
<tr>
<td>January 19</td>
<td>Martin Luther King, Jr. Day (Institute holiday)</td>
</tr>
<tr>
<td>January 23</td>
<td>Last day for adding courses and removing conditions and incompletes</td>
</tr>
<tr>
<td>February 4-10</td>
<td>Midterm examination period</td>
</tr>
<tr>
<td>February 16</td>
<td>Presidents’ Day (Institute holiday)</td>
</tr>
<tr>
<td>February 17</td>
<td>Midterm deficiency notices due - 9:00 AM</td>
</tr>
<tr>
<td>February 25</td>
<td>Last day for dropping courses, exercising pass/fail option, and changing sections</td>
</tr>
<tr>
<td>February 26-March 11</td>
<td>Registration for spring term, 2008-2009</td>
</tr>
<tr>
<td>March 11</td>
<td>Last day to register for spring term, 2008-2009, without a $50 late fee</td>
</tr>
<tr>
<td>March 12-15</td>
<td>Study period</td>
</tr>
<tr>
<td>March 16*-18</td>
<td>Final examinations, winter term, 2008-2009</td>
</tr>
<tr>
<td>March 18</td>
<td>End of winter term, 2008-2009</td>
</tr>
<tr>
<td>March 19-29</td>
<td>Spring recess</td>
</tr>
<tr>
<td>March 25</td>
<td>Instructors’ final grade reports due - 9:00 AM</td>
</tr>
</tbody>
</table>

*First due date for final examinations
THIRD TERM 2009

March 30  Beginning of instruction - 8:00 AM
**April 17**  Last day for adding courses and removing conditions and incompletes
April 29- May 5  Midterm examination period
May 11  Midterm deficiency notices due - 9:00 AM
May 15  Last day for scheduling examinations for the degrees of Doctor of Philosophy and Engineer
**May 20**  Last day for dropping courses, exercising pass/fail option, and changing sections
May 21- June 5  Registration for fall term 2009-2010, and registration for summer research
May 25  Memorial Day (Institute holiday)
May 29  Last day of classes - graduate students
        Last day for presenting theses for the degrees of Doctor of Philosophy and Engineer
May 30- June 2  Study period for graduate students
June 3*-5  Final examinations for graduate students, third term 2008-2009
June 5  Last day to register for fall term 2009-2010, without a $50 late fee
June 8  Instructors’ final grade reports due for seniors and graduate students - 9:00 AM
June 10  Curriculum Committee - 10:00 AM
         Faculty meeting - 2:00 PM
June 12  Commencement - 10:00 AM
**End of third term 2008-2009**
June 17  Instructors’ final grade reports for undergraduates due - 9:00 AM
July 4  Independence Day (Institute holiday)
September 7  Labor Day (Institute holiday)
*First due date for final examinations

REGISTRATION

You can access the online course schedule for the days and times that the courses are offered for the Fall 2008-09 term. The URL for the course Schedule is: http://www.registrar.caltech.edu/schedules/FA2008-09.html

Registration will be on-going during orientation as you meet with your advisor and attend departmental meetings if required. You will complete a drop/add card listing the courses that you want to take for the fall term and return the card to the Registrar’s Office. In subsequent terms you will use the online registration system known as REGIS. Your REGIS username and password will be issued to you by the Registrar’s Office. The Registrar’s Office is located in the Center for Student Services, Room 125 (Building 87). If you have any questions, please do not hesitate to contact us at (626) 395-6297 or email us at Regis@caltech.edu.
COMMUNITY STANDARDS

THE HONOR SYSTEM

The Honor System is the guiding principle of conduct for the Caltech community. This principle is simply stated: “No one shall take unfair advantage of any other member of the Caltech community.” The Honor System is very important at Caltech and is designed to protect you. You will receive the Honor Code Handbook during Orientation, or you can review it online at http://www.its.caltech.edu/~grb/HonorSystem. Please take time to read it and become familiar with what is expected of you.

A CODE OF ETHICS FOR CALTECH

Caltech must interact not only with members of the Caltech community, but also with a complex and rapidly changing world. The Institute is dedicated to research and education. In pursuit of these duties we are entrusted with funds, goods, and information by both the private and public sectors, especially the Federal Government, and we must interact with their representatives. Caltech is committed to the highest ethical standards. From its inception, the Institute recognized that ethical behavior must be viewed as a personal and institutional responsibility. This philosophy forms the basis for Caltech’s Honor System, which governs every aspect of our interactions with members of the Caltech community. However, even in dealing with donors, companies, the government, and others having a relationship with Caltech, the Honor System should serve as a guiding principle in all Institute related activities. Please refer to “Doing Business the Caltech Way: An Ethics Handbook” (http://www.businessandfinance.caltech.edu/Ethics_booklet.pdf) for additional information.

If you ever need assistance in resolving certain ethical dilemmas, there are several resources available on campus to assist you. These include Human Resources, the Ombuds Office, the office of the Vice-Provost and Provost, and the Graduate and Undergraduate Dean’s offices.

CALTECH STATEMENT OF COMMUNITY

Caltech is a community dedicated to scientific and engineering exploration and to academic excellence. At the heart of our mission are unwavering commitments to honor, integrity, equity, and diversity. Together these values help create and sustain a community where all are committed to the goals of academic and personal achievement.

• We affirm that academic excellence is built on bringing together the best faculty, students, scholars, and staff.
• We acknowledge that a multitude of perspectives is essential to all we do. As a community, we understand that civility and mutual respect for diversity of background, race, ethnicity, sex, gender, gender identity, socioeconomic status, religion, nationality, sexual orientation, age, disability, and marital and family status, are critical.
• We are dedicated to creating and sustaining an environment in which such diversity will flourish.
• We are committed to honor and integrity in all areas of work and campus life. Guided by these principles and the Institute’s Honor Code, members of our community are expected to treat one another with respect and dignity.
• We hold ourselves to the very highest standards of intellectual and academic rigor. The freedom of open expression is essential to the exchange of ideas and furtherance of knowledge; we expect at all times that such exchange occurs in a manner that conforms to academic integrity and professionalism.

All who work, live, study, and teach at Caltech are here by choice; implicit is a respect for these principles which are an integral part of our mission.
DRUG AND ALCOHOL POLICY

Shortly after you arrive on campus, you will be given a copy of Caltech’s Drug and Alcohol Policy. This policy carefully spells out what is acceptable conduct for students at Caltech and what you can expect if you violate the policy. While Caltech respects your ability to make good decisions for yourself and others around you, we also have a responsibility to support and enforce campus and state regulations.

For those who struggle with a substance abuse problem, there are places on- and off-campus to turn to for help, including a Health Educator on campus. These resources are outlined in a pamphlet (Alcohol, Drugs and the Caltech Student), which is available in the Health and Counseling Center.

INFORMATION MANAGEMENT SYSTEMS AND SERVICES

Information Management Systems and Services provides academic computing services at Caltech. An access.caltech account is a username and password associated with your real name and your Caltech UID number, granting your authorized access to IMSS computing services, including email, as listed at https://www.imss.caltech.edu/cms.php?op=wiki&wiki_op=view&id=26.

All students are provided with an access.caltech account; as a courtesy service, IMSS accepts username preferences from students prior to creating the accounts in late summer. If you do not provide your username preferences, or the usernames you request are already in use, IMSS will assign a username for you, based on your real name.

Access.caltech accounts are created before students arrive on campus in the fall, so please note the username preference deadline of August 17, 2008. Instructions for submitting your preferences are located at https://www.imss.caltech.edu/cms.php?op=wiki&wiki_op=view&id=30.

DMCA COPYRIGHT INFRINGEMENT POLICY

Downloading or distributing copyrighted content without permission from the copyright holder is illegal under the copyright law of the United States. Further, the use of peer-to-peer file sharing software at college campuses for this purpose has attracted the attention of the music and motion picture industries as well as Congress. Caltech recognizes and respects intellectual property rights, and it is part of our mission to maintain the highest standards of legal and ethical conduct. While Caltech does not review computer usage to identify illegal copyrighted content, provisions of the Digital Millennium Copyright Act require the Institute to take certain actions after receiving a complaint from a copyright owner about potential copyright infringement involving a computer on the Caltech network. In the event such a complaint is received and confirmed by Caltech, the following sanctions will be applied:

First offense: Access to the Caltech network by the computer referenced in the complaint is blocked until IMSS is informed that the student or employee has removed all potentially infringing materials from the computer, has spoken with the appropriate Dean or Human Resources representative, has reviewed the copyright tutorial found on the Caltech Office of General Counsel website, and understands that the alleged act is not legal or permitted at Caltech.

Second offense: For students, network access is blocked for 5 days from date of notice of alleged infringement, and the student must see the appropriate Dean and an attorney at
the Office of the Intellectual Property Counsel. The student is given warning that any subsequent infringement activity will be considered an Honor Code violation and could be referred to the appropriate disciplinary committee. For employees, a second offense will result in notification to the Employee Relations Office of Human Resources. Employee Relations will discuss the action with the employee and his/her supervisor and determine appropriate disciplinary action including suspension or termination of employment. In the case of faculty, the Provost's office will be informed of the offense.

**Third offense:** For students, network access is terminated until the Dean of Students, the Conduct Review Committee or the Graduate Dean determines the proper disciplinary action, which, in the most egregious cases could involve separation from the Institute for the term and/or a fine of up to $500. An employee or faculty member will be immediately referred to Employee Relations or the Provost's office for determination of appropriate disciplinary action, including suspension or termination of employment.

**HOUSING, MEALS AND MORE**

There is a full range of housing available for Caltech graduate students, from dormitories to apartments to single family homes. The Catalinas, located on the northwest end of campus, are the center of Caltech's graduate resident community. The Catalina Apartments house single and married graduate students from a variety of academic disciplines and cultures, and give them the opportunity to interact within a beautiful residential setting. Built in three phases, from 1984 - 1988, the complex offers accommodation to 450 residents. All apartments feature private patio or balcony, carpets and window coverings, furnished bedrooms and living rooms, central air conditioning and heating. Each kitchen is equipped with a range and oven, double sink, wood cabinets, refrigerator/freezer, microwave oven and garbage disposal. Amenities at the Catalinas include: laundry rooms on site with card-operated washers and dryers; recreation centers; water and trash service paid for by Caltech. Residents supply their own pillows, bed linens, towels and kitchen utensils. In addition, residents pay their own gas, electricity and Ethernet, billed through the Caltech Bursar account. Telephone and cable television are set up and paid privately by the resident. Caged pets are permitted but dogs are not allowed. Cats must be approved by the CAT (Caltech Animal Team).

Avery House was built in 1996 as an innovative experiment to encourage informal interaction between graduate and undergraduate students, and faculty. It is the ideal environment for the single student who prefers the amenities of a modern residential hall and the convenience of a meal plan. 24 private, furnished rooms with shared bath are available to graduate students. Undergraduates live in 108 rooms and there are 3 apartments for faculty-in-residence. All Avery residents are required to purchase the meal plan each term except during summer. Meals are available on-campus, Monday - Friday, in Chandler Cafeteria, the Red Door and Broad Cafes, and the Convenience Store.

In addition, the Housing Office maintains listings of available non-Caltech-owned rentals - rooms, apartments, and homes - in the area. Interested students will need to make all necessary rental arrangements themselves.

**APPLIANCES**

You will need to leave the appliances with heating coils (toasters, popcorn poppers, and hot plates) at home. For safety reasons, these are not allowed in student rooms.
MAINTENANCE SERVICE
Housing maintenance service is available weekdays from 8:00 AM to 5:00 PM, and through Central Plant on weekends and after hours.

LAUNDRY
Coin-operated washers and dryers are available in all of the housing complexes. Some laundry machines accept your ID and will charge your student account.

MEALS
Graduate students are granted the privilege of joining the Athenaeum (faculty club) for a small fee, which affords the possibility of contact with fellow graduate students and with others using the Athenaeum, including the Associates of Caltech, distinguished visitors, and members of the professional staffs of the Huntington Library and the California Institute of Technology.

The Chandler Dining Hall, located on the campus, is open Monday through Friday. Breakfast, lunch, and snacks are served cafeteria style. The Cafe at Broad is open for lunch and dinner, Monday through Friday. The Caltech Convenience Store and the Coffeehouse have weekend hours. There are also a number of good restaurants near the Caltech campus, which you will quickly get to know once you tap the student grapevine. You will undoubtedly want to check out the restaurant reviews in The Technique, which is published by the Graduate Student Council. You will receive a copy of The Technique shortly after you arrive.

RENTERS INSURANCE
Caltech does not insure the personal property of students. Students keeping personal property in their rooms do so at their own risk and are responsible for the safekeeping of their property. For those who wish to be insured for fire and theft, the Housing Office can provide information on available coverage.

SHIPPING YOUR LUGGAGE
If you need to send some things in advance, Central Receiving can hold your packages for up to one week prior to your arrival. You will need to make all of the necessary arrangements (do not send it collect) and send it to the following address:

Your Name
New Graduate Student
c/o Caltech Central Receiving
391 S. Holliston Avenue
Pasadena, CA 91125

When you arrive and wish to retrieve your luggage, you should contact Central Shipping and Receiving for pick-up instructions.

TELEPHONES
For students living in Avery, rooms have a private phone hookup. You will be assigned a telephone number—if you want the service—once you have a permanent room assignment. You will be able to keep this phone number the entire time that you live on campus. There will be an initial hook up charge plus a monthly charge for the service. You may buy a phone from Caltech or provide one of your own. For long-distance charges,
you can either use a personal calling card or put the charges on your student account (you will be assigned an authorization number). The numbers can be obtained through the Office of Telecommunications, (626) 395-5995. For the Catalinas and other Off-Campus locations, phone service can be set up through local carriers such as AT&T or Charter Communications. More information will be available when you check in.

WEBSITES
There are several websites that describe Pasadena and the local area and may help you orient yourself to your new home. The following websites will help you get started.
www.ci.pasadena.ca.us
www.pasadenacitycenter.com

The following sites will introduce you to the LA area in general.
www.lacvb.com
www.latimes.com

This site has general information about college life.
www.yahoo.com/education

OTHER USEFUL INFORMATION

ATHLETIC CENTER
The Braun Athletic Center is free for Caltech students to use as long as you have your ID card. The center is usually open from 6 AM to 10 PM and 8 AM to 7:30 PM on weekends. For more information on the services available, please check the orientation schedule distributed at check-in or call the center directly (626) 395-3253.

BICYCLES
Bicycles are a good means of getting around the Caltech campus and Pasadena. Bicyclists will enjoy the pleasant surroundings of the Caltech campus and the nearby community. For storage, bike racks have been installed around each building. Bikes cannot be stored in corridors, stairways, or other public areas inside the houses and apartment buildings for safety reasons. We recommend a U-lock to secure your bike. It can be purchased at most bike shops and discount stores.

BOOKS AND SUPPLIES
Required texts for Caltech courses should be available in the campus bookstore by mid-September. We suggest that you purchase your books and supplies as soon as your schedule is finalized to avoid the rush after classes start. The bookstore is open Monday through Friday, 8:30 AM - 6:00 PM

CHILDcare Assistance Program (CCAP)
Caltech recognizes that childcare costs impose a financial burden on many members of its community. This program allows eligible applicants to receive up to $4,000 per year to help defray childcare costs. Awards are available to eligible faculty, postdoctoral scholars, students, and campus staff with dependant children ages 10 and under. Please go to http://cit.hr.caltech.edu/ccap_program.htm for information and application materials.
COMPUTERS
There are plenty of computer and printing facilities on campus that students can use without additional charge. Information Management Systems and Services (IMSS) operates a student computer lab with a number of computers and printers, which students can use 24 hours a day. While it may be more convenient to bring your own computer and printer to campus, it is not necessary. If you plan to purchase a new computer, discounts are available through Caltech Wired at the Bookstore.

COPIES AND FAXES
The "Tech Express," located on the Olive Walk, is a convenient spot to drop off copying jobs, pick up student packages, mail letters, and send and receive faxes. The phone number is (626) 395-3703 and fax (626) 796-0413.

DENTAL INSURANCE
All graduates are automatically enrolled in a dental insurance plan. The cost for this plan has yet to be determined for the 2008-2009 academic year. If you have other dental insurance you may waive the Caltech dental insurance by signing the appropriate form and submitting it to the Benefits Office. For more information please contact Benefits at (626) 395-6443 or via email at roxanne.meraz@caltech.edu.

MEDICAL INSURANCE
All graduate students are enrolled in a medical insurance plan and will be charged their premium contribution through their Bursar accounts. This charge will be spread throughout the year and will total $300 for 2008/09. At this time, no changes are being made in the present system where a graduate student is responsible for purchasing insurance for a spouse or children. The Graduate Office will continue to offer a supplement to these students, which for the current year is a maximum of $75/month for each graduate student purchasing such insurance.

Students will receive a thorough description of this insurance program when they register. Insurance coverage will be effective the first day of the term in which you enroll. For more information, please contact Benefits at (626) 395-6443.

PHARMACIES
Before coming to Caltech remember to transfer your important prescriptions to a local pharmacy. Caltech has a health center on campus that offers reduced rates on prescription medicine. Other options include: California Pharmacy (626) 792-3156, Brown and Welin (626) 795-5918, and Rite Aid (626) 796-5539.

DEPARTMENT OF MOTOR VEHICLES (DMV)
As a student, you are expected to obtain a California driver’s license or a California Identification Card. In order to apply you must:
- Be a resident at least 10 days
- Show that you are employed or a student
- Show proof that you live in the area
- Bring your passport and social security card
- Complete an application from the DMV office
- Pay $23.00 (cash, check or money order) for an ID card or $28.00 for a driver’s license.
The DMV has two locations close to the Caltech campus. The Pasadena branch is located at 49 S. Rosemead Blvd., Pasadena. The Glendale branch is located at 1335 W. Glenoaks Blvd., Glendale. For general information and appointments call 1-800-777-0133.

When you pass the road test, you will have your picture taken and you will be fingerprinted. You will receive a temporary license at that time. Be prepared to wait three to eight weeks for your permanent driver's license. Please note: The law in the state of California requires auto insurance for all vehicle owners.

**PARKING**

Caltech’s parking program is fee based. All vehicles parking on the campus must be registered and display a current parking permit. To register your vehicle, please fill out the Caltech Vehicle Registration form and bring it to the parking office. The campus parking office is located at 515 S. Wilson Avenue on the second floor. It is open Monday through Friday 8:00 AM to 5:00 PM. The Registration Form, Caltech Parking Regulations, and fee structure may be obtained at http://parking.caltech.edu.

Municipal parking citations are issued to violators; fines are therefore paid directly to the city.

**SAFETY AND SECURITY**

At Orientation, you will receive a Personal Security Handbook, which will provide you with detailed information on safety and security.

Campus Security is a 24/7 operation consisting of vehicle, foot, bicycle patrol on the campus. All members of the campus community are encouraged to contact Campus Security immediately of suspicious activity, and medical or other emergencies. Security officers are trained to respond to and investigate suspicious activity, criminal incidents, and medical or other emergencies. Call x-5000 or 395-5000 to report emergencies. Additional information about Campus Security including the Annual Security Report can be accessed at http://security.caltech.edu.

Although Caltech does not have a large problem with crime on campus, we provide several programs to help ensure your safety. We recommend that you do not walk alone after dark. Ask a friend to walk with you or use the escort service operated through the security department. In the event of a fire alarm in your place of residence it is important that you exit the building each and every time. You can be fined up to $500 by the Pasadena Fire Department if you do not leave the building. The alarms are present for your safety.

California is known for its earthquakes. Most earthquakes are relatively small and do not cause any damage. Should you feel a minor earthquake while on campus do not become alarmed. Should a major earthquake occur, the Caltech emergency preparedness plan will go into effect. You should follow the directions of the Emergency Preparedness Coordinator as you evacuate your residence or laboratory.
CALTECH PROJECT FOR EFFECTIVE TEACHING (CPET)

Welcome to Caltech! As part of New Student Orientation, the Caltech Project for Effective Teaching and the Dean of Graduate Studies are hosting the **Teaching Assistant Training Program on Thursday, September 25, 2008**. This training program is required for all graduate students who will be teaching assistants during their graduate career. The program includes information on the various duties of a Caltech TA, expectations from undergraduate students, and interaction with experienced teaching assistants from your option. Lunch will be provided as well. Don’t miss it!

The Caltech Project for Effective Teaching (CPET) is a student run organization that strives to improve the quality of teaching on the Caltech campus. In addition to TA training during New Student Orientation, CPET hosts various lectures, workshops, and panel discussions on pedagogy and the teaching profession throughout the school year. The goal of CPET is to provide undergraduates, graduate students, postdoctoral scholars, and faculty resources to better their teaching styles, information on teaching as a career, and a forum for improving the educational process at Caltech.

As part of its commitment to promote effective teaching at Caltech, CPET also sponsors a certificate program. If a student or postdoctoral scholar attends six workshops and submits journal entries on each one, he or she will receive a certificate signed by the Vice-Provost. Completing the certificate program signifies a desire to cultivate one’s skills as a teacher and a dedication to professional development.

For more information about CPET, please send us an email at cpet@caltech.edu or visit our website: www.its.caltech.edu/~cpet. The website lists upcoming CPET seminars and information regarding the CPET program, ways to participate, as well as a TA handbook. If you are interested in academia as a profession or want to advance teaching at Caltech, join us!

Sincerely,

Michael R. Hoffmann  
Dean of Graduate Studies

Ashley Jones  
(Environmental Science and Engineering Graduate Student)  
Caltech Project for Effective Teaching (CPET)

Puneet Chhabra  
(Chemical Engineering Graduate Student)  
Caltech Project for Effective Teaching (CPET)
As a Caltech student, we invite you to join the Caltech Employees Federal Credit Union. Eligibility for membership at CEFCU is a once in a lifetime opportunity; join it once, and the benefits will last a lifetime...a solid financial advantage you can share with your family; a benefit you can even take with you when you graduate.

Who is CEFCU: As a financial cooperative, we exist solely for the good of our membership to bring low loan rates and high savings dividends to our members/owners. We’re not your run-of-the-mill, try-to-do-everything Credit Union. We choose to deliver only those products and services that we can do BEST. And year after year, this selective philosophy works! The result is an uncommonly successful and cost-efficient operation that is able to return a far greater percentage of its earnings to its members than the industry average. We consistently offer among the highest savings rates in the nation...the lowest loan rates available...and state-of-the-art online access. All with the unsurpassed safety and warm, personal service that has made Caltech Employees Federal Credit Union the trusted choice of our members—for both savings and borrowing—for over half a century. Now, over $700 million strong, we continue to “Share the Success” with our members/owners...always remembering that we work for YOU!

For more information or membership forms, please visit us at www.cefcu.org.

SERVICES
• Share Savings Accounts with high dividends
• Star Youth Accounts
• Share Access ATM Card
• VISA Card with student limits
• Loans
  New and Used Cars, Trucks, and Motorcycles
  New and Used RVs, Boats, and Airplanes
  Share-Secured
  Personal Lines of Credit
  Short Term Personal
  Home Equity Line of Credit
  Real Estate

MEMBER CONVENIENCES
• On-campus branch-office
• Two ATMs on campus
• CO-OP ATM deposit access
• Direct Deposit of recurring payment
• Payroll Deduction
• American Express Travelers Cheques
• VISA Gift Cards
• Wire Transfers
• Member PC Access "CEFCU@HOME"
  e-Statements
  e-Move- online money transfer

BANKS
We suggest that you arrive with some cash and an ATM card to get you through your first week. You might want to consider opening an account at one of the local bank branches to make obtaining money a little easier. You have several choices in the surrounding area. As a graduate student you are eligible for accounts at the Caltech Employees’ Credit Union, www.cefcu.org. It has an ATM on campus, but does not have checking services. It is part of the Plus System ATMs. The following is a list of banks that are located just off campus: Bank of America (818) 507-6700, Citibank (800) 756-7047, Washington Mutual (800) 933-3000, Union Bank of California (626) 683-5500, and Wells Fargo (800) 869-3557 or (626) 449-8611.
Dear Student:

The Bursar’s Office staff is very pleased to welcome you to the Caltech 2008-2009 Academic Year!

We would like to provide you with some information that may be helpful. Upon arriving at Caltech, a school ID with a UID (Universal Identification) number will be issued to you by the Card Office. You may use this ID to purchase books and other items at the bookstore, eat in the various dining facilities, have a Latte at the Red Door, do laundry or make convenience store purchases, run copies at Graphic Resources or the library, charge postage at the mail room, etc. These charges will then reflect on your Caltech personal account and show on your monthly billing statements.

Statements will be mailed and are also available online after the 10th of each month and should be paid by the listed due date. You can mail your payments or make them in person in the Bursar’s Office in the Center for Student Services building by cash, check or money order. Payments may also be made online by ACH (check) no fee or credit card with a 2.75% vendor fee. Wire transfer information is available by contacting our office.

Tuition and Caltech housing, if applicable, will also be charged on this account. If you live in Caltech housing on or off campus, please be aware that you should keep current with your payments as per your housing contract. Should you have an outside fellowship, please notify the Graduate Office.

<table>
<thead>
<tr>
<th>Graduate Expenses 2008-2009</th>
<th>Term</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$10,479.00</td>
<td>$31,437.00</td>
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<tr>
<td>Fees</td>
<td>360.00</td>
<td>1,080.00</td>
</tr>
<tr>
<td>Health Insurance Contribution</td>
<td>100.00</td>
<td>300.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$10,939.00</td>
<td>$32,817.00</td>
</tr>
</tbody>
</table>

General Deposit $100*
*Required with first registration. It will be returned upon departure from Caltech.

Please contact us at (626) 395-2988 or bursar@caltech.edu if you have questions. Our website, www.bursar.caltech.edu may also be of help to you.

Sincerely,

Heidi Dillon
Bursar
DEPARTMENT OF PHYSICAL EDUCATION AND RECREATION

For those who desire a less formal athletic environment, Caltech offers a wide range of recreational offerings designed to encourage participation by maximizing the number and variety of opportunities. This is detailed on the table below, which also includes a list of Physical Education class offerings. In addition, please check our website www.gocaltech.com for more information.

INTRAMURAL SPORTS - Intramural competition is sponsored by the Graduate Student Council (GSC) and is open to the entire Caltech Community. GSC sports offered are: Soccer, Flag Football, Volleyball, Basketball and Softball.

CLUB SPORTS - Sports at Caltech are open to all students, faculty and staff. Clubs organized around each of the following activities are currently active on campus: Badminton, Dance Troupe, Ballroom Dance, Figure Skating, Racquetball, Cricket, Table Tennis, Floor Hockey, Rugby, Ultimate Frisbee, Karate, Volleyball, Surf/Windsurf, Cycling, Squash, and Water Polo.

RECREATIONAL OPPORTUNITIES - The athletic facilities are available several hours each day for informal recreational activity. The schedule is available at the Recreation Office. Limited recreational equipment is available for check-out upon presentation of your student I.D. Card. Please visit our website http://www.gocaltech.edu.

We hope that you decide to integrate some aspect of the athletic program into your life at Caltech. The accomplishments of the Caltech students on the field, in the gym or in the pool and their demonstrated excellence in the classroom help make the Caltech experience special. If you have any questions, please don’t hesitate to contact the Department of Athletics.

2008-09 PHYSICAL EDUCATION COURSE OFFERINGS

<table>
<thead>
<tr>
<th>COURSE</th>
<th>LEVEL</th>
<th>COURSE</th>
<th>LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEROBICS</td>
<td>ALL LEVELS</td>
<td>SOCCER</td>
<td>BEG/INT</td>
</tr>
<tr>
<td>BADMINTON</td>
<td>BEG</td>
<td>SQUASH</td>
<td>BEG/INT</td>
</tr>
<tr>
<td>BASEBALL SKILLS</td>
<td>INT/ADV</td>
<td>STUDENT DESIGN FITNESS *</td>
<td>ALL LEVELS</td>
</tr>
<tr>
<td>BASKETBALL SKILLS</td>
<td>BEG/INT</td>
<td>SWIMMING</td>
<td>BEG/INT/ADV</td>
</tr>
<tr>
<td>DIVING</td>
<td>BEG/INT</td>
<td>TABLE TENNIS</td>
<td>BEG/INT</td>
</tr>
<tr>
<td>FENCING</td>
<td>BEG</td>
<td>TAI-CHI CHUAN</td>
<td>ALL LEVELS</td>
</tr>
<tr>
<td>FITNESS TRAINING FOR LIFE</td>
<td>ALL LEVELS</td>
<td>TENNIS</td>
<td>BEG/INT/ADV</td>
</tr>
<tr>
<td>GOLF</td>
<td>BEG/INT/ADV</td>
<td>TRACK &amp; FIELD</td>
<td>ALL LEVELS</td>
</tr>
<tr>
<td>KARATE (SHOTOKAN &amp; TANG SOO DO)</td>
<td>BEG/INT/ADV</td>
<td>ULTIMATE FRISBEE</td>
<td>BEG/INT</td>
</tr>
<tr>
<td>RACQUETBALL</td>
<td>BEG/INT</td>
<td>VOLLEYBALL</td>
<td>BEG/INT/ADV</td>
</tr>
<tr>
<td>ROCK CLIMBING</td>
<td>BEG/INT</td>
<td>WATER POLO (RECREATIONAL)</td>
<td>OPEN</td>
</tr>
<tr>
<td>SCUBA</td>
<td>INT/ADV</td>
<td>WEIGHT TRAINING</td>
<td>BEG/INT</td>
</tr>
<tr>
<td>SKIN DIVING</td>
<td>INT/ADV</td>
<td>YOGA</td>
<td>BEG/INT</td>
</tr>
</tbody>
</table>

*These programs must be submitted to and approved by the Student Design Fitness Instructor, by the end of the first week of each term. The program must consist of vigorous activity three or more times per week.
On behalf of the Caltech Y, Welcome! Since its founding by students in 1916, the Y has been a place for students to plan events for the campus community and gather in a relaxed creative environment. During your Caltech years, you will surely participate in or benefit from Y programs ranging from community service projects and outdoor adventures, to cultural events and educational forums. All Y programs encourage students to become active participants at Caltech and engaged citizens of the world. Leadership opportunities are available for students who wish to play an active role on campus either through coordinating volunteer projects, planning outdoor trips or serving on the ExComm, the Y’s student governing board.

**CULTURAL AND EDUCATIONAL PROGRAMS**

Caltech students have a long history of responding to social issues and global concerns. The Y recognizes the need for thoughtful discourse on topical issues by bringing to campus the Social Activism Speaker Series, a thought-provoking forum featuring some of today’s more controversial speakers. Throughout the years, the Y has been on the forefront of social issues, always helping students broaden their horizons. We continue to answer the student’s call for engaging programs with International Week, Martin Luther King, Jr. commemoration week, programs for national heritage months, and more.

**COMMUNITY SERVICE AND VOLUNTEER OPPORTUNITIES**

On any given week during the school year, there are Caltech students volunteering their time and effort to those in need. The Y coordinates many of these efforts, matching students with community agencies where their skills can be best utilized. The largest of our volunteer efforts happen with Alternative Spring Break (ASB), Make-A-Difference (MAD) Day and our perpetual Saturday volunteer opportunities. ASB is a chance for you to get away during Spring Break and help others while you travel. Past sites have included Mexico, Navajo Nation, and San Francisco. MAD Day is a local volunteer effort where the Caltech community comes together to help Pasadena area agencies and families. Everyone who participates has a great time during this one-day event in Spring. Check our web site for a full listing of our Saturday volunteer opportunities and mid-week tutoring program.

**OUTDOOR ADVENTURES AND SOCIAL ACTIVITIES**

In order to broaden your Caltech experience, the Y hosts a variety of fun social activities. From movie nights to the famous Decompression, the best “end of the term, free food, stress release” in town, the Caltech Y knows the importance of fun outside the classroom. If outdoor adventure is your interest, check out all the Y has to offer. Explore a new adventure trail or National Park on one of many Y led outdoor trips throughout the year. Sign up now for the ultimate kick-off to your Caltech experience: The Y-Hike to the California Sierras. The Y-Hike, our annual backpacking trip, is a great way to meet new students in a relaxed setting and have a great time in the outdoors. The Y-Hike is scheduled for the week before Graduate Student Orientation in September. All hikers welcome. Applications are due in mid-July. Don’t miss it.

For a full listing of all we have to offer including discount tickets sales, DJ equipment rentals, access to the Y lounge and more, go to www.caltechy.org.
Perfoming and Visual Arts at Caltech

Chamber Music • Concert Band • Guitar Classes • Jazz Band • Glee Club • Orchestra • Theater • Painting and Drawing • Silkscreen and Silkpainting • Ceramics

Caltech offers excellent opportunities for the study and performance of music, theater and the visual arts. The Performing and Visual Arts faculty are committed to quality in performance and education, and share a dedication to serve the student who wishes to enrich and broaden his or her college experience. Students can receive academic credit for their participation and can enroll in courses in Performing and Visual Arts both on campus and at nearby Occidental College, with which the Institute has a combined study plan. Performing and Visual Arts plays a vital role in realizing the Institute’s mission of “…educating outstanding students to become creative members of society.”

Vocal Music

The Caltech Glee Clubs are large non-auditioned choirs open to all members of the Caltech/JPL community, including undergrads, grad, staff, faculty, and alumni. The Men’s Glee Club and the Women’s Glee Club rehearse and perform separately as well as together, in formal concerts, university choral festivals, and various events on campus. The Glee Clubs meet three hours a week. The Chamber Singers is a smaller auditioned group for singers interested in a more challenging vocal repertoire. The groups’ repertoire is eclectic, ranging from Renaissance motets to 20th century works to folk songs and world music. Larger works with orchestra are also performed; recent performances have featured Handel’s Messiah, Vivaldi’s Gloria, J.S. Bach’s Magnificat, Bloch’s Sacred Service, and Orff’s Carmina Burana.

Instrumental Music

The Caltech/Occidental College Orchestra is a full seventy-piece orchestra comprised of students, faculty, and staff at Caltech and nearby Occidental College. The orchestra meets once per week and gives three pairs of concerts annually, both on the Caltech and Occidental campuses. Recent programs have included symphonies by Mahler, Brahms, and Beethoven, as well as contemporary compositions. The orchestra also sponsors an annual concerto competition to give exceptionally accomplished student soloists the opportunity to perform with the orchestra.

Caltech’s Chamber Music program provides professional coaching and performance opportunities for approximately thirty separate small ensembles of varying instrumentation. Instrumentalists are grouped into duets, trios, quartets, etc. with those of similar abilities, and rehearse weekly in preparation for public recitals, master classes and occasional performances for campus parties. Ensembles perform a wide variety of music, including anything from Renaissance dances for recorders to Baroque trio sonatas, classical string quartets, piano quartets by the Romantic masters, and twentieth century music for winds. The Chamber Music Program also includes music for piano, both four-hands and two pianos.

The Concert Band rehearses once a week and performs three major concerts each year. Members include Caltech and Occidental College students, as well as faculty, JPL employees, alumni, and members of the community. Renowned clarinetists David Shiffren and Eddie Daniels, trumpeters Tony Plog and Allen Vizzutti, tuba virtuoso Jim Self, and oboist Allan Vogel have performed as guest soloists with the band. In recent years the band has performed compositions by Ticheli, Sousa, Holst, Gillingham, Whitacre and Ives. The concert band has recorded two CDs that are available for sale at the Caltech Bookstore, and made its Carnegie Hall debut on May 24, 2008.
There are two Caltech Jazz Bands and each group rehearses one night a week. These award-winning organizations have recorded three CDs and play five or six concerts a year. They invite local jazz professionals to perform as guest artists and clinicians. Some past clinicians include members of “Big Bad Voodoo Daddy,” “Brian Setzer Orchestra,” and the great Count Basie and Duke Ellington Orchestras. Jazz artists who have played with the bands include: Billy Childs, Steve Houghton, Bill Watrous, Bobby Shew, Gary Foster and Greg Bisonette. The Jazz Bands have recorded several CDs including “The Capitol Sessions,” recorded at the famous Capitol Studios in Hollywood.

Class instruction in Guitar is offered each term. Beginning Guitar requires no previous experience and provides an introduction to basic technique and musicianship, and includes classical, flamenco, and folk music. Intermediate Guitar emphasizes reading notes on the entire guitar fingerboard, and offers a more thorough study of classical technique and musicianship. Advanced Guitar, for the serious student, provides exploration of the expanded classical repertoire and a thorough treatment of musical interpretation and performance techniques. Works from the Renaissance through the Contemporary period are covered, as well as ensemble playing.

**VISUAL ARTS**

The Ceramics class is designed for the beginning to advanced student. Students are given demonstrations on working on the wheel and slab roller, sculpture, and glaze techniques. Instruction on creating functional forms is also given. Ongoing critiques with the instructor are an integral part of the Ceramics course.

The Painting and Drawing class emphasizes the visual communication of ideas and personal research. Varied media, live models, and a growing reference library support students at all levels of expertise. The Silkscreen and Silkpainting studio is also accessible 24 hours per day. It is used extensively for ditch day stacks and other student activities. A class is offered to teach students basic techniques and provide advice for ongoing projects.

**THEATER ARTS**

TACIT, as Theater Arts at Caltech is familiarly known, typically centers its production schedule with a Shakespeare play on Ramo stage in conjunction with the Shakespeare literature course. Recent offerings include The Winter’s Tale, As You Like It, and Macbeth, as well as Molière’s The Misanthrope, Marivaux’s La Double Inconstance; and Ibsen’s Hedda Gabler. Occasionally, TACIT presents a student-written play. Members of the Caltech Community have the opportunity to learn all aspects of the theatrical craft: acting, stage crew, set construction, wardrobe, light and sound operation, properties, house management, and publicity - working with professionals in areas of theater design: set, light, sound, costume, and music. This is a hands-on approach, not classroom theory. It also provides an appreciation of theatrical literature and exposure to the literature of many languages (in translation).

**FACILITIES**

State-of-the-art individual practice rooms, two of which offer variable acoustics, are located in Caltech’s Music House. Each practice room contains an excellent piano, including several grand pianos. The Music House is also home to chamber music rehearsal rooms and offices. Student performances are held in the 1150 seat Beckman Auditorium, the smaller Ramo Auditorium and the more intimate Dabney Lounge.
The **Caltech Recording Studio** was founded by members of the Caltech Jazz and Concert Bands, and is located in Club Room 1 of the Winnett Student Center. The newly-renovated studio has some of the best equipment available, including a digital mixer and high-quality microphones and amps. The Studio computer contains Pro-Tools Digital recording software. In addition, the Finale software package is available if you would like to use the studio as a composer’s workstation. To learn more about the Caltech Recording Studio, please visit the studio web page at [http://studio.caltech.edu/](http://studio.caltech.edu/)

The **Art Chateau** houses silkscreen facilities where students create T-shirts for many campus activities, including Ditch Day. A model stand for life drawing anchors the studio for silk-painting, watercolor, acrylics, oils, etc. A large art reference library supports both creativity and relaxation. In the print studio a 4’ x 6’ press prints metal, stone, and block.

Costume fabrication and alteration occurs in the costume workroom of **TACIT House**. Set components are built at the TACIT scene shop and assembled on stage.

**Other Cultural Opportunities in the Community**

The Caltech Office of Public Events presents a variety of concerts on campus to which students receive free or reduced-price tickets. Featured offerings include the Coleman Chamber Music Series, as well as the free Sunday afternoon Paco A. Lagerstrom Chamber Music Series in Dabney Lounge. Caltech’s students also benefit greatly from the Institute’s location in Pasadena. Pasadena Playhouse, Huntington Library, The Brand Library and Art Center, Los Angeles Music Center, Walt Disney Concert Hall, Norton Simon Museum, and Museum of Contemporary Art are nearby. Students can regularly attend concerts by Los Angeles Philharmonic, Master Chorale and Opera, Los Angeles Chamber Orchestra, and by world-class artists in smaller ensembles as well as major dramatic productions and smaller repertory theater plays.

**For Further Information**

Chair/Coordinator of Faculty and Programs
Delores Bing; MC 2-70 (626) 395-6198
dbing@caltech.edu

Glee Clubs and Chamber Singers
Desiree LaVertu: MC 2-70, (626) 395-6260
dlavertu@caltech.edu

Symphony Orchestra
Allen Gross: MC 2-70, (323) 259-2574
agross@caltech.edu

Chamber Music
Delores Bing: MC 2-70, (626) 395-6198
dbing@caltech.edu

Concert and Jazz Bands
William Bing: MC 2-70, (626) 395-3714
wbing@caltech.edu

Guitar Classes
Matthew Elgart: MC 1-67, (626) 395-2679
melgart@caltech.edu

Painting and Silkscreen
Jim Barry: 0-67, (626) 395-3295
jibarry@caltech.edu

Ceramics
Stuart Freed: 0-67, (626) 395-6936
sfreed@polytechnic.org

TACIT (Theater Arts at Caltech)
Delores Bing: MC 2-70 (626) 395-6198
dbing@caltech.edu

Performing and Visual Arts Office
(626) 395- 3295
If you are a prospective Caltech Student, we would like to hear from you. Your responses on this form will be delivered directly to the Performing and Creative Arts faculty at Caltech. An online version of this form is available at www.music-theater-art.caltech.edu:

Caltech Performing and Visual Arts
2-70
Pasadena, CA 91125

Name __________________________________________________________
Street Address _____________________________________________________
City __________________________ State _______ Zip ____________
Email address _____________________________________________________

I can best be described as (mark one):
☐ Caltech pre-frosh ☐ Caltech Pre-frosh
☐ Prospective Caltech Graduate ☐ Prospective Caltech Graduate Student

I can play the (list all) _____________________________________________
(If you are more proficient on one type of instrument versus another or have any other information to add, please explain in “Comments” section below.)

I sing the following part: ___________________________________________

I have participated in the following activities (check all that apply):

INSTRUMENTAL
☐ Private Music Lessons
☐ Concert Band
☐ Jazz Band
☐ Orchestra
☐ Small Ensemble/Chamber Music
☐ Guitar Class or Private Guitar Lessons
☐ Honor Band
☐ Honor Orchestra
☐ Other (please specify)

VOCAL
☐ Honor Choir
☐ Madrigal Group/Chamber Choir
☐ Concert Choir
☐ Church Choir
☐ Other (please specify)

Additional comments or questions:
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
Please complete this page and the next and send to:

Theater Arts at Caltech
MC 2-70
Pasadena CA 91125

YES!!! I want to: test my inner reserves, tap my hidden talents, make a commitment, be committed, influence the course of events, laugh!, weep!, rearrange Time itself, despair!, exult!, I want to win friends, bask in golden glory, find Fame or at least notoriety, dazzle my peers, wear laurels, earn plaudits and good reviews, pledge my firstborn whatever... augment my grade-point...spend all my nights in rehearsals...be a part of T.A.C.I.T.

I am _____________________________________________________________________

My phone number is ________________________________________________________

My e-mail address is ________________________________________________________

I am an incoming  ☐ freshman  ☐ transfer student  ☐ graduate student

I can (check as many as apply)

☐ Act  ☐ Fence
☐ Sing  ☐ Karate
☐ Dance  ☐ Amislan
☐ Cut/sew/pin  ☐ Count chairs
☐ Wash/dye/iron  ☐ Count tickets
☐ Run a spotlight  ☐ Count chickens
☐ Run a computer  ☐ Count Dracula
☐ Hammer/saw/glue  ☐ Turn cartwheels
☐ Usher/House manage  ☐ Conduct an orchestra
☐ Sell lemonade/tickets  ☐ Take photographs in focus
☐ Sweep a stage  ☐ Develop and print film
☐ Mop a stage  ☐ Write publicity articles
☐ Paint sets  ☐ Draw pictures
☐ Paint faces  ☐ Spell
☐ Design sets  ☐ Ice skate
☐ Drive a big truck  ☐ Roller skate
☐ Tie secure knots  ☐ Have an accent
☐ Wind up cords  ☐ Fake an accent
☐ Read plays  ☐ Hang draperies
☐ Write plays  ☐ Climb ladders
☐ Sweat  ☐ Pretend
Name: ________________________________

Please circle the activities you find especially interesting.

Take the rest of this page to write a brief note about what you have done in theater. Tell us about...your roles, your voice part, type of dance, instrument...tell us about yourself!
The staff of International Student Programs (ISP) congratulates you on your admission and hopes that you will enjoy your stay at Caltech and utilize us as a resource whenever possible. In addition to providing all the immigration support for students coming from abroad, ISP also plans and promotes programs and activities that foster intercultural awareness among members of the Caltech community. For information about ISP events and other programs of interest to the international community, join our 'ISP Friends' mailing list. Information about joining is below.

**General Services**
- Advises and assists *students from abroad* and their dependents with visa and immigration related matters such as employment authorization, extension of stay, bringing dependents to the U.S. and change of status.
- Provides assistance with cultural adjustment, personal, financial, legal, career and health-related needs of international students in cooperation with other Caltech offices.
- Plans and promotes programs and activities that foster international and cross-cultural awareness in cooperation with various Caltech offices, student groups, and community organizations.
- Organizes informational seminars and workshops on U.S. culture, working in the U.S., immigration regulations, taxes, and other appropriate topics.

**ISP Activities**
- Sponsors International Student Pre-Orientation Program.
- Co-moderates a weekly discussion group that focuses on cultural adjustment.
- Co-sponsors trips to San Francisco, San Diego, Yosemite and Las Vegas.
- Co-sponsors and supports a variety of events with student groups.
- Sponsors programs to recognize a variety of cultural celebrations such as Thanksgiving and the Lunar New Year.

**ISP Friends Mailing List**
To join our ISP Friends Mailing List, visit:
https://utils.its.caltech.edu/mailman/listinfo/ispfriends

Once you are on this list, you will receive announcements about upcoming ISP programs and events!

**Contact Information**
250 Center for Student Services
(636) 395-6330
isp@caltech.edu
THE CALTECH WOMEN'S CENTER  
www.womenscenter.caltech.edu

The mission of the Caltech Women’s Center is to promote the advancement of women in science and engineering. The Women’s Center works to support the central research and educational mission of Caltech, while providing students, postdoctoral scholars, staff, and faculty with opportunities, programs, and services that address gender issues and promote success, equity, and safety.

WE OFFER:
- Academic and professional development programs
- Personal development and awareness programs
- Information, resource, and referral
- Advising, advocacy, and support

CONTACT INFORMATION
265 Center for Student Services  
(626) 395-3221  
wcenter@studaff.caltech.edu  
www.womenscenter.caltech.edu

MINORITY STUDENT EDUCATION  
http://mse.caltech.edu/

The Office of Minority Students Education motto is “Supporting a Community of Scholars and Promoting Leadership”. The office’s staffing and programs are strategically positioned to target the outreach, recruitment and retention of students (both undergraduate and graduate) who are identified as underrepresented, underserved and minority. The office is also responsible for the Caltech Young Engineering and Science Scholars (YESS) program as well as the Caltech Freshman Summer Research Institute (FSRI). Both programs are designed to support diversity on campus. Ultimately access and inclusions are principals of the MSE foundation and all students are welcome to participate in most of the programs sponsored by MSE.

CONTACT INFORMATION
MC 205-86 Center for Student Services  
(626) 395-6207  
egraham@caltech.edu
The Caltech Library System has two major campus libraries: Millikan Memorial Library houses materials on biology, chemistry, mathematics, physics, plus humanities and the social sciences. Sherman Fairchild Library houses materials on engineering and applied sciences, including computer science, chemical engineering, and aeronautics. There are several branch libraries as well: Dabney Library has a large humanities collection; the Astronomy Library is located in Robinson; the Geological & Planetary Sciences Library is located in N. Mudd.

Millikan and Sherman Fairchild Library Hours
Mon - Fri  8 AM - 1 AM    Caltech ID required after 5 PM
Sat - Sun  9 AM - 1 AM    Caltech ID required all hours
Holiday hours vary, call x6405 Caltech ID required all hours

During the summer, the library closes at midnight.
Please see http://library.caltech.edu/about/hours.htm for a detailed listing of hours and locations.

Circulation
All current Caltech faculty, staff, and students may borrow materials upon presentation of valid Caltech identification. The Circulation staff on the first floors of the Millikan (x6401) and Sherman Fairchild (x3405) libraries, and in the departmental libraries, process renewals, holds, recalls, and searches for materials not found in their assigned locations.

Reference and Research Assistance
Reference assistance is available in person, by phone, and by e-mail (library@caltech.edu). If you need in-depth reference/research assistance you may also contact a subject specialist reference librarian, listed on the library website. Reference assistance is available at the branch libraries during business hours.
- Millikan Library General Reference (1st floor), x6405
- Millikan Library Science Reference (8th floor), x6423
- Sherman Fairchild Library Reference (1st floor), x3404

Electronic Resources
The online library catalog (CLAS) can be accessed from the library web page: http://library.caltech.edu. This page also displays the array of databases, journals, and other materials available online at Caltech. Most of these are IP authenticated via the Internet-meaning you can access them anywhere on campus. Please consult a reference librarian if you need advice on which resources are appropriate for your needs.

Photocopying
The photocopiers in the Millikan and Sherman Fairchild libraries are linked to the Campus Card Office system which enables campus IDs to be used to charge copies to departmental, research, and personal accounts. The debit card dispenser/regenerators located on the first floors of the Millikan and Sherman Fairchild libraries will dispense or add value for cash. Photocopiers on the 2nd floor of the Sherman Fairchild Library and Millikan 7th floor will accept coins, and $1, $5, or $10 bills.
**DOCUMENT DELIVERY**

The Caltech Library System provides a comprehensive document delivery service known as IBID, which can be accessed from the library web page. Current Caltech faculty, students, and staff can request materials regardless of whether the item is available in the Caltech Library System collection or not. Items unavailable on campus will be obtained through the Interlibrary Loan Office. The fee is $5.25 per 1-30 pages printed whether the item is available on campus or not. There is no charge for campus book requests, but $5.25 is charged for books obtained from another library.

**SPECIAL SERVICES AND FACILITIES AT THE SHERMAN FAIRCHILD LIBRARY**

Scanning facilities and study rooms can be reserved at http://library.caltech.edu/reservation. Each study room is equipped with tables, chairs, and at least one computer workstation. Key access is available at the Circulation Desk. **Wireless notebook computers** can be checked-out at the Circulation Desk upon presenting and leaving a current valid picture ID and signing a use agreement. The notebooks can be used in the library up to four hours at a time, but they cannot be reserved in advance. Over 50% of the seating in this library is outfitted with network and electrical connections. Additionally, the building is a wireless facility. For more information see http://library.caltech.edu/services/laptops.htm.

**PLEASE NOTE: You will need an IMSS e-mail account in order to use the computers in the Caltech libraries.**
On behalf of the Health Education office, welcome to Caltech. As you are keenly aware, the graduate student experience is more than just research. Social interactions with peers in the lab, the relationship with your advisor and extracurricular activities all play a large role in shaping your experience at Caltech.

The health education office is a joint service of the Student Health and Counseling Centers, and is located on the second floor of the Center for Student Services building. I offer drop-in counseling hours for health-related concerns such as:

- Stress and stress management
- Creating a regular and healthy sleep schedule
- Fitting exercise in to a busy schedule
- Questions about safe sex, STDs, HIV/AIDS or other sexual health issues
- Drug and alcohol related concerns and challenges

This confidential service is available to you for free.

I invite you to look at my website http://www.healtheducation.caltech.edu and learn more about health education and the ways my office can help maintain balance in your experience here. It has been my experience that this balance is essential to excelling in research at Tech.

Again, welcome and I look forward to seeing you on campus shortly!

Sincerely,

Wendy Lopata, MSW, MPA
Health Educator
Center for Student Services, Room 248
wlopata@caltech.edu
MISSION
The Caltech Counseling Center exists to help undergraduate and graduate students achieve academic excellence and emotional health.

At times the challenges of academic life can result in emotional stress for students that may impede their academic achievement. The staff of the Counseling Center can help by identifying the sources of difficulty and developing a plan of action.

The services of the Counseling Center are described below along with answers to commonly asked questions. If you have additional questions about our services, please call us at (626) 395-8331. We are here to help.

SERVICES PROVIDED
- Individual therapy
- Couples counseling
- Health education
- Substance abuse counseling and referrals
- Group therapy and discussion/support groups
- Workshops and training
- Consultation to staff, faculty and students
- Referrals
- Psychiatric evaluation and medication
- Crisis intervention
- Emergency evening and weekend coverage by calling Campus Security at (626) 395-4701

COMMONLY ASKED QUESTIONS
WHO CAN USE THE COUNSELING CENTER?
Services are available to all currently enrolled students. Spouses/partners may be seen at the Counseling Center for couples counseling with their student partner, but are not eligible for individual services. Spouses/partners of students may also obtain referrals to other agencies and private therapists from the Counseling Center.

IS THERE A COST FOR SERVICES?
There is no charge for counseling services or services provided by our consulting psychiatrist if students are referred by one of our staff. Students may also choose an off-campus therapist and bill the Student Health Insurance. Therapists on the insurance select provider list do not charge any co-payment. A list of select providers is available from the Counseling Center. Therapists not on the select provider list will charge a 30% co-payment. Students must satisfy a $300 annual deductible when using their insurance.

HOW LONG CAN I BE SEEN AT THE COUNSELING CENTER?
Unlike many counseling centers, we have no predetermined session limit. Our approach is to identify the needs of individual students and to develop a plan to meet those needs. While most students are seen at the Counseling Center, some students needing specialized or long-term care are referred to off-campus providers.
DO YOU HAVE A WEB PAGE?
Yes, we have a home page with extensive resources including articles written specifically for Caltech students, plus links to other resources. www.counseling.caltech.edu

ARE THE SERVICES CONFIDENTIAL?
The staff at the Counseling Center understands that in order for counseling to be effective, students must be able to trust that what they share with the therapist will be held in confidence. No information is revealed to anyone, including parents, friends, faculty or administrators without the written permission of the student. The exception to this policy is when, as required by law or in the judgment of the therapist, limited disclosure is necessary to protect someone from harm. For a more complete description of privacy and confidentiality please check out the Counseling Center website.

WHEN SHOULD I THINK ABOUT TALKING TO A THERAPIST?
Students seek help for a variety of reasons, including: stress, relationship issues, depression, anxiety, substance use, loneliness, grief, and academic concerns. It’s okay to come in even if you feel like your problems are relatively minor or you just want more information about what we have to offer.

WHAT IF I AM CONCERNED ABOUT A FRIEND?
We encourage you to consult with us if you are concerned about another person and are unsure how to help. We have an article with suggestions on how to help a friend on our home page www.counseling.caltech.edu

HOW DO I KNOW IF SOMEONE NEEDS HELP?
Changes in someone’s mood or behavior may signal s/he needs help. Below are some signs of emotional distress:

• Extreme or prolonged emotional states, such as uncontrollable crying or persistent restlessness
• Marked changes in personality or mood
• Suicidal thoughts
• Listlessness, lack of energy
• Inability to make decisions or concentrate
• High levels of irritability including aggressive, abrasive or violent behavior
• Increased use of alcohol or other drugs or use that leads to recklessness and impaired judgment

HOW LONG WILL I HAVE TO WAIT FOR AN APPOINTMENT?
Appointments are usually available within a day or two of your call. Students needing immediate attention may request a same-day appointment. The Counseling Center is staffed with five doctoral-level psychologists, two pre-doctoral interns, a consulting psychiatrist, and a masters-level health educator. If you prefer a male/female therapist or would like to request a particular staff member, please let the receptionist know when you call for the appointment. All of our staff are trained and experienced in working with the diverse needs of our student body.
The Archibald Young Student Health Center is committed to providing caring, compassionate and cost effective medical care and health promotion services that are specifically designed for the unique needs of our students. The medical staff consists of highly qualified physicians and nurse practitioners that provide competent diagnosis and treatment of most acute illnesses and injuries, including some urgent care and continuity care. The medical staff acts as your primary health care providers. In addition to meeting your basic health care needs, the clinicians are an excellent resource for other health concerns. Visit the health center if you need medical care or assistance.

A variety of services that address the primary health care needs of graduate students are available to all registered students and their spouses enrolled in the Spouse Program. Some of the services are:

- Medical Consultation, Treatment and Referral
- Laboratory Tests
- Radiology Services (provided off-site)
- Pharmacy/Prescription Services
- Allergy/Injection Clinic
- Women’s Health Clinic
- Dermatology Clinic
- Travel and Immunization Clinic
- Orthopedic Clinic
- Health Education and Preventive Health Care

The health center is open year round. Our office hours are Monday to Thursday from 8:00 AM to 5:00 PM and on Friday from 8:00 AM to 4:00 PM. The center extends its hours for the dermatology and orthopedic clinics.

The Student Health Center adheres to relevant privacy laws and regulations including FERPA. All visits to the health center and medical records are handled confidentially.

For more information about the Student Health Center call (626) 395-6393 or visit www.healthcenter.caltech.edu.

All registered students are covered by the Student Health Insurance Plan. It supplements the health care services provided by the Student Health Center. For more information, visit: www.chickering.com/stu_conn/student_connection.aspx?group_number=812843
INSTRUCTIONS AND INFORMATION

1. The primary purpose of these forms is to assure that immunizations are current and that the student poses no public health problems. It also provides a means of identifying students with special health needs and a historical basis for the provision of health care through the Student Health Service.

2. This form must be returned to the Student Health Center by July 31. All pages must be completed. (Return the completed forms in the envelope provided.) Partially completed forms will not be processed.

3. Registration will be withheld until these forms are returned with documentation of required immunization and results of all laboratory tests as indicated.

4. Information on this form is CONFIDENTIAL and to be used solely for the Health Services, and will not be released without the student's consent.

PERSONAL HISTORY (To be filled out by applicant)

NAME_______________________________________________________________________

Last                     First                         Middle

HOME ADDRESS_____________________________________________________________

Street City, State/Country Zip Code

HOME PHONE NUMBER (Include area code)_______________________________________

E-MAIL ADDRESS (If available)_______________________________________________

CELL PHONE (If available)_____________________________________________________

SEX:     □ Female     □ Male     Date of Birth___________________
         □ Undergraduate □ Graduate     month/day/year

SPECIFY PERSON TO BE NOTIFIED IN CASE OF EMERGENCY:

NAME_________________________RELATIONSHIP______________ PHONE____________

ADDRESS ___________________________________________________________________

Street City, State/Country Zip Code

MEDICAL INSURANCE (For entering undergraduates, academic year 2008-2009)
If you will continue to be covered by your parent's or other medical insurance, please indicate below.

Name of Insurance Plan_______________________________________ Policy #_____________

PARENTS OF STUDENTS UNDER 18 PLEASE COMPLETE THIS SECTION
I, the undersigned, parent/legal guardian of __________________________, a minor, do hereby consent to an x-ray examination, anesthetic, medical or surgical diagnosis or treatment, and hospital service that may be rendered to said minor, under the instructions of the Caltech Medical Staff, whether such diagnosis or treatment is rendered at the office of said physicians or at a hospital licensed by the state of California.

_______________________________________               __________________
Signature of Parent/Legal Guardian         Date       Name:_________________________________________
Name: _________________________________________

FAMILY MEDICAL HISTORY

Please indicate all biological family members who have experienced any of the following conditions. If deceased, age at time of death. (i.e., Asthma, paternal grandfather, 96).

Biological family member If deceased, age
Asthma ______________________________________________________________________
Cancer, (type)_________________________________________________________________
High Blood Pressure ___________________________________________________________
Diabetes _____________________________________________________________________
Heart Disease_________________________________________________________________
High Cholesterol_______________________________________________________________
Thyroid Condition _____________________________________________________________
Tuberculosis __________________________________________________________________
Alcoholism ___________________________________________________________________
Other serious chronic disease (specify)_____________________________________________

PERSONAL MEDICAL HISTORY

Any allergies (medication) ____________ (food) ______________ (others) ______________

Tobacco Use □ Yes □ No _____ Pack a day _____ Years _____ I quit _________ ago
□ other tobacco products (specify)________________________________________________

Alcohol Use □ Yes □ No How often ____________ Quantity/Amount ______________

List any surgery, hospitalizations (including psychiatric), illnesses, or significant injuries and approximate dates: _________________________________________________________
_____________________________________________________________________________

List any medications you are taking (including birth control pills/non-prescription pills):
_____________________________________________________________________________
_____________________________________________________________________________

Please describe any ongoing medical problem: ______________________________________
_____________________________________________________________________________

For women only: most recent pap and pelvic exam if any (date and result): ______________
_____________________________________________________________________________

_______________________________________ _________________
Student’s Signature Date
Name:______________________________________________

**PHYSICAL EXAMINATION**  
*(Within one year prior to admission)*

All Information Is Required. Form Must Be Completed By A Health Care Provider

Height:_________  Weight:_________  BP:_________  Pulse:_________

Skin: ______________________________________________________________________

Head: ______________________________________________________________________

Eyes: ____________________  Snellen R/20_________  L/20______________________

Corrected R/20_________  L/20______________________  
Contact lens/glasses __________________________

Ears: ______________________________________________________________________

Nose: ______________________________________________________________________

Mouth and Throat: ______________________________________________________________________

Neck: ______________________________________________________________________

Thorax: _______________________________  Lungs: ________________________________

Breast: ______________________________________________________________________

Spine/Back: ______________________________________________________________________

Heart: ______________________________________________________________________

Abdomen: ______________________________________________________________________

Genito-urinary (if indicated) ______________________________________________________________________

Extremities: ______________________________________________________________________

Lymph Nodes: ______________________________________________________________________

Reflexes: ______________________________________________________________________

Laboratory exam:  Hematocrit: _______  % urine sugar _______  urine protein _______

Does this student have a medical condition for which ongoing health care is required?

_____________________________________________________________________________

_____________________________________________________________________________

May this student participate in athletic activities? Any restrictions or contraindications?

_____________________________________________________________________________

_____________________________________________________________________________

Recommendations for health care at Caltech? ______________________________________________________________________

_____________________________________________________________________________

Signature of Health Care Provider ___________________________  Date of Exam ____________

Health Care Provider's Name ________________________________

Address __________________________________________________

Phone Number ___________________________  Fax Number ___________________________
IMMUNIZATION RECORDS

Name: ____________________________________________ Birthdate: ____________________

Address: ____________________________________________________________________

To be completed and signed by your health care provider. All information must be in English.

A. MMR (Measles, Mumps, Rubella) REQUIRED (Two doses required)
   1. Dose 1 given at age 12 months or later #1_____________________
   2. Dose 2 given at least 28 days after first dose #2_____________________
   OR
   3. Report of positive immunity (attach copy of report) Immune ____________ Not Immune ____________

B. Tuberculosis Screening (Mantoux) REQUIRED within SIX MONTHS PRIOR TO ADMISSION
   (A history of BCG vaccination should not preclude testing)
   TB skin test_____________   mm induration _____________ ________________________________
   CXR (required if tuberculin skin test has a positive reaction >10mm) result: __________ mm
   Date of chest x-ray ___________ Normal _______ Abnormal _______ if abnormal, attach copy

C. Tetanus-Diphtheria (Td) REQUIRED
   Primary series of four with DTaP or DTP ___________________ year completed
   Booster: Tdap (preferred) ____________ OR Td within the last ten years __________

D. Hepatitis B REQUIRED (First 2 doses received prior to arrival at Caltech, third dose can be completed at Caltech)
   Dose #1 ___________ Dose #2 ___________ Dose #3 ___________ OR
   Hepatitis B surface antibody (attach copy of report) Reactive __________ Non-reactive __________

E. Meningococcal vaccine REQUIRED for freshmen undergraduate students, persons with terminal deficiencies or asplenia.
   Non-freshmen students under 25 years of age may choose to be vaccinated to reduce their risk of meningococcal disease.
   (In the last 5 years)    __________ /
   Menactra (preferred) /
   Menomune (In the last 5 years)

F. Hepatitis A (strongly recommended) 2 doses at least 6-12 months apart
   (First dose prior to arrival at Caltech. Second dose can be completed at Caltech)
   Dose #1 __________ Dose #2 __________

G. Polio (recommended) Primary series should be complete __________ year completed
   Booster, if any __________

H. Varicella (recommended) Either a positive varicella antibody, or two doses of vaccine given at least one month apart, if immunized after age 13 years.
   Dose #1 __________ Dose #2, given at least one month after first dose if age 13 years or older __________ OR
   Varicella antibody (attach copy of report) reactive _________ non-reactive __________

Health Care Provider ____________________________________________ Date signed _______________

Address ____________________________________________________________________ Tel. No. ____________________
ADDENDUM

NAME________________________________________________

Have you ever experienced or are now experiencing any of the following (please check all that apply)?

<table>
<thead>
<tr>
<th>Have you experienced or are now experiencing any of the following?</th>
<th>Have you received Treatment?</th>
<th>Did Your treatment include (Please check all that apply)</th>
<th>Dates of Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Anxiety</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Depression</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Eating Disorder:</td>
<td></td>
<td></td>
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<tr>
<td>Anorexia</td>
<td>□</td>
<td>□</td>
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</tr>
<tr>
<td>Bulimia</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Both</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Obsessive Compulsive Disorder</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Panic Disorders</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Phobia</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

Do you plan to (circle one) continue, resume or begin receiving help for these problems while at Caltech?  □  YES  □  NO

Comments: __________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
Dear Student/Parent,

As the Medical Director of the Caltech Student Health Center, I am writing to inform you that legislation has been enacted in California (California Law AB 1452) requiring all new post secondary students receive the meningitis vaccine or sign a waiver after reading information about the risks of meningitis.

**What is meningococcal (meningitis) disease?** Meningitis is rare, but when it strikes, this potentially fatal bacterial disease can lead to swelling of fluid surrounding the brain and spinal column and in some cases death. Symptoms range from flu-like symptoms to permanent disabilities. Early diagnosis and treatment can prevent the most severe effects of meningitis, but the rapid progress of the illness and the similarity of its symptoms to the common flu often results in delayed treatment.

**How is the disease spread?** Meningococcal meningitis is spread through the air via respiratory secretions or close contact with an infected person. This can include coughing, sneezing, kissing or sharing items such as utensils, cigarettes and drinking glasses.

**Who is at most risk for getting meningococcal disease?** People who live in settings such as college dormitories are at risk, as are military recruits who live in close quarters, as well as people who travel to certain parts of the world where the disease is very common. Children and adults with damaged or removed spleens are also at risk.

**Are some students in college and post secondary schools at risks for meningococcal disease?** College freshmen living in residence halls or dormitories are at an increased risk for meningococcal disease as compared to individuals of the same age not attending college. The setting, combined with risk behaviors such as alcohol consumption, exposure to cigarette smoke, sharing food or beverages, and activities involving exchange of saliva, may be what puts college students at a greater risk for infection.

The risks for meningococcal disease for other college students, in particular older students and students who do not live in congregate housing, is not increased. However, meningococcal vaccine is a safe and efficacious way to reduce their risk of contracting this disease.

**Is there a vaccine against meningococcal disease?** Yes, there are currently 2 vaccines (Menomune - a polysaccharide vaccine and Menactra - a conjugate vaccine) available. Both of these vaccines provide protection against 4 of the serogroups of the bacteria, called groups A, C, Y and W 135. These 4 serogroups account for approximately two-thirds of the cases that occur in the U.S. each year. There is currently no vaccine for serogroup B which accounts for one-third of the cases. Protection from immunization with the meningococcal polysaccharide vaccine is not life-long; it last about 3 to 5 years. The meningococcal conjugate vaccine is expected to help decrease disease transmission and provide more long-term protection.

**Is the vaccine safe?** The meningococcal vaccine has an excellent safety profile. However, like any medicine, is capable of causing serious problems such as severe allergic reactions. Some people who get the vaccine have mild side effects such as redness or pain where the shot was given. These symptoms usually last for 1 - 2 days. A small percentage of people who receive the vaccine develop a fever. Immunization is deferred during any acute illness and the vaccine is not given to pregnant women.
Where can a student get vaccinated? Students and their parents should contact their healthcare provider and make an appointment to discuss meningococcal disease, the benefits and risk of vaccination, and the availability of these vaccines.

**Where can I get more information?** More information about the disease and vaccine can be found at the following.

- Centers of Disease Control and Prevention (CDC)
  www.cdc.gov

- American College Health Association (ACHA)
  www.acha.org

- Meningitis Foundation of America
  www.musa.org

**California Institute of Technology Vaccine Requirement.** The Student Health Center requires all freshmen students receive meningitis vaccine or sign a waiver. Menactra is preferred but Menomune is acceptable if given within the past 3 years. Please have the meningitis immunization completed before arrival. If you have any questions contact (626) 395-6393.

Sincerely,

Stuart C. Miller, M.D.
Medical Director
Caltech Health Center
Caltech Student Affairs Mission Statement

Student Affairs at Caltech complements and enhances the Institute's educational mission by ensuring a healthy and supportive environment that enables students to grow academically and personally in preparation for meeting current and future challenges.

Independently and in collaboration with students, faculty and staff, we serve our community by responding to the issues, ideas and needs of all students. Utilizing diverse approaches, we provide programs and services of the highest quality.

Cover photo by Felipe Dupouy