



**HARVEY  
MUDD  
COLLEGE**



**We know solving problems begins with understanding relationships.**

That's why we teach our students to think across disciplines, across boundaries, even across cultures.

Sound interesting? Then flip through the cards.

[hmc.edu/vb/intro](http://hmc.edu/vb/intro)

[ relationships matter ]

## Peel Us Back

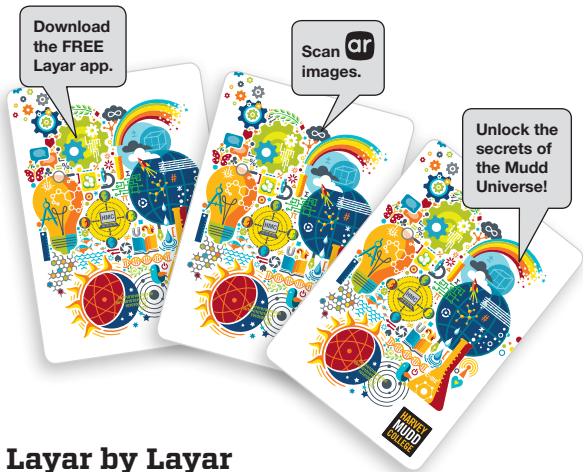
You know that moment when you are deep into solving a problem and the world just seems to drop away? When each hypothesis leads to yet another question—another opportunity to learn more? Then, in the space of what seems like a breath, the problem breaks, you see what you've never seen before, and you know you've discovered the answer. Everything around you feels fresh, and you see relationships between things in new and exciting ways.

### **We are that feeling. We are Harvey Mudd College.**

When our namesake, a mining engineer named Harvey S. Mudd, envisioned a new college, he dreamed of a place that would overcome the shortcomings of the traditional education offered to scientists and engineers. Established in 1955, the College offers a bold, interdisciplinary education for exceptionally skilled, broad-minded, socially conscientious scientists and citizens.

Our 800 Mudders (we're intentionally small but mighty) are some of the nation's brightest students. We're the only college brave enough and crazy enough to nurture the next generation of passionate problem solvers—people who love to peel back layer after layer to get to the solution.

Oh yeah, and did we mention we don't take ourselves too seriously? So try your hand at something different, and find out what Harvey Mudd has to offer.



## Layar by Layar

“So,” you ask, “what’s in the cards for me at Harvey Mudd?”

In addition to useful info about the College, we’ve infused the cards with awesome additional content—videos, animations, a secret code for you to find and solve, and more. To access what’s in the cards, you’ll need—you guessed it—an app. It’s called Layar AR, and it’s available for both Apple and Android. So download it today, and follow the instructions to discover the added content—some obvious, some not—that we’ve put in the cards for you.





## **Can You Crack the Code?**

We're not going to telegraph the answer, but on some cards, there is a special symbol on one corner (three sets of four cards). Determine the meaning of the symbols, arrange each matching set so the symbols "meet," and scan the cards using the Layar app to reveal the hidden content. Note the word(s) that appear(s) after scanning. Enter your answers at the link below and follow the directions for the next step.

[hmc.edu/vb/code](http://hmc.edu/vb/code)

HARVEY MUDD COLLEGE

# JOKER



## Engineering Mischief: Harvey Mudd Pranks

Mudders have a reputation for their pranking prowess, whether it's maneuvering a student's VW into a dorm hallway or heisting the Caltech Cannon (both reversible, an HMC pranking rule). And while such stunts occur with less frequency, they are an age-old tradition at Harvey Mudd, where work and play are sometimes indistinguishable.



[hmc.edu/vb/vw](http://hmc.edu/vb/vw)



HARVEY MUDD COLLEGE

# JOKER



## Capturing the Cannon

In 1986, a wily team of Mudders disguised as “H&M Construction” pooled their collective engineering and theatrical skills to pull off the most unlikely prank in Harvey Mudd history: the kidnapping of a three-ton cannon from Caltech’s campus in broad daylight! The legendary prank is considered a symbol of the Mudder spirit of adventure and ingenuity.

[hmc.edu/vb/heist](http://hmc.edu/vb/heist)



A 

## Mudders: Far From Textbook

**Musa Kiyani '15** earned the title of world traveler, mentor and author—all before graduating. An embodiment of Harvey Mudd's commitment to global engagement, the biology/psychology major shadowed clinicians at King's College London, administered vaccines in his homeland of Pakistan and even wrote a physics textbook. He's now an M.D. candidate at Duke-NUS Medical School.



## Studying the Science and Social Context of AIDS

Working with City of Hope National Medical Center, Karl Haushalter and his student researchers are studying gene therapy strategies that could help HIV-AIDS patients better control their disease without daily and expensive pills. His interdisciplinary class features guest speakers, multi-generational classmates and a community service project.

[hmc.edu/vb/haushalter](http://hmc.edu/vb/haushalter)



## Small Material, Big Impact

Graphene is a single layer of carbon atoms that has amazing electronic, thermal and optical properties—and it's engineering Professor Albert Dato's specialty. A pioneer in the field, Dato discovered novel methods for rapidly synthesizing graphene and for using it to image surface molecules on nanoparticles. His lab focuses on cutting-edge nanotechnology.

[hmc.edu/vb/dato](http://hmc.edu/vb/dato)

4 ♥



## Crystal Clear

By perturbing colloidal nanocrystals through a technique called optical blasting, physics Professor Sharon Gerbode and her students can monitor changes in their properties—research that could have important implications for improving the performance of electronic devices, such as increasing the efficiency of solar panels.

[hmc.edu/vb/gerbode](http://hmc.edu/vb/gerbode)

## Beautiful, Indisputable Data

One day, Professor Talithia Williams had a real aha moment: By simply listening to her body's data, like pulse and blood pressure, she made better personal health choices. The statistician sees data collection as an empowering way to gain insight into our lives.



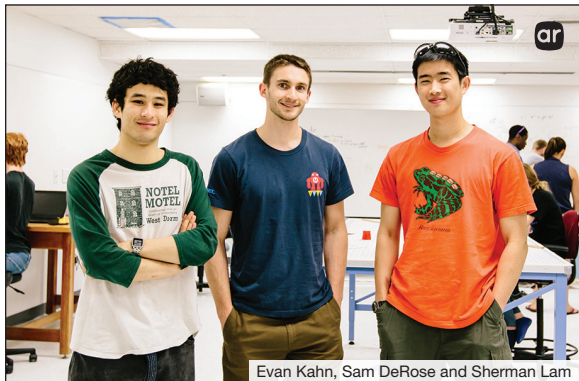




## Oscar-Worthy

An Academy Award-winning visual effects supervisor, engineering graduate Scott Stokdyk '91/92 has had a remarkable career in the motion picture industry. He's best known for his work on the *Spider-Man* trilogy and received an Academy Award for Best Visual Effects for *Spider-Man 2*.

[hmc.edu/vb/stokdyk](http://hmc.edu/vb/stokdyk)

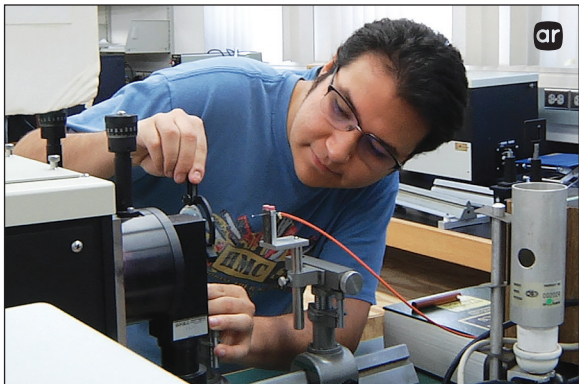


Evan Kahn, Sam DeRose and Sherman Lam

## What Can You Make of This?

Need access to a Dremel tool? Sewing machine? Vise grip? Enter the Mudd Makerspace. Spearheaded by Sam DeRose '16, Sherman Lam '16 and Evan Kahn '17, the campus' newest workspace gives makers of all backgrounds the opportunity to pursue personal creative projects and attend "skill-swap workshops" to broaden their making skills.

[hmc.edu/vb/makerspace](http://hmc.edu/vb/makerspace)



## Starring Role

Summers spent studying dark matter and black holes? That's time well spent if you ask Mellon Mays Fellow Willie Zuniga '17, who hopes to become a professor of physics. His research—including studying magnetic fields in brown dwarf stars—has brought him closer to becoming a role model and mentor. “I hope to have an impact in supporting underrepresented groups in academia.”

[hmc.edu/vb/zuniga](http://hmc.edu/vb/zuniga)



## Painting With the President



A watercolor lesson from Harvey Mudd President Maria Klawe left Ramita Kondepudi '18 feeling supported and inspired. She considers Klawe a role model who demonstrates that women can succeed at the highest levels of science and mathematics. Kondepudi plans to use math and science to address sustainable living and environmental advocacy.

[hmc.edu/vb/painting](https://hmc.edu/vb/painting)

[hmc.edu/vb/kondepudi](https://hmc.edu/vb/kondepudi)

10♥



## Dr. Sophie Will See You Soon

During emergency medical technician training, Sophie Parks '14 treated allergic reactions, a cardiac arrest and a heroin overdose. She says Harvey Mudd degrees in biology and chemistry are providing a strong foundation for training to become a doctor.

# J♥

## Best Foot Forward

**Justis Allen '17** met his match with Harvey Mudd, a place that appealed to his interest in programming by blending experimentation, theory and design. He hopes to work as a software engineer at Google and eventually develop and manage his own software.





### **President Maria Klawe**

A renowned computer scientist, scholar and artist, Maria Klawe became the fifth—and first female—president of Harvey Mudd College in 2006. She has been lauded internationally for her efforts to increase the percentage of women and underrepresented students in STEM.





## Political Science Prof Rewrites the Rules

In Paul Steinberg's Bicycle Revolution course, students study the politics of 10 bike-friendly cities in the most hands-on way imaginable: by riding bikes! The course is related to his Social Rules Project, which focuses on global sustainability policy and how rules shape our lives.

[hmc.edu/vb/rules](http://hmc.edu/vb/rules)

[hmc.edu/vb/rules-game](http://hmc.edu/vb/rules-game)





## Get Your Grub On

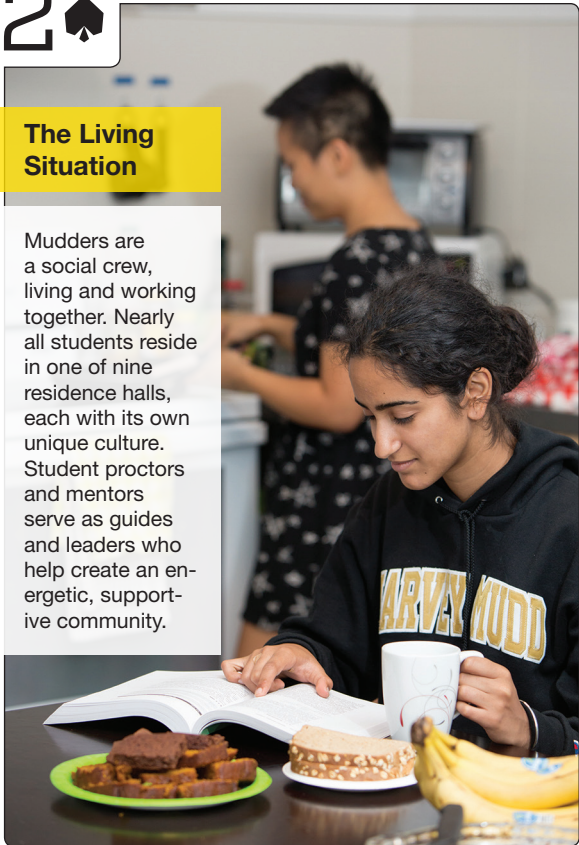
The meal plans are typical. The food is not. That's why DailyMeal.com rates us among the best college dining experiences. Dining hall fare is varied beyond compare, including vegan food and Chocolate Fest, plus there's The Café (Starbuck's coffee) and Jay's Place (best late-night hangout). Or, place a BBQ request and have a dorm cookout!

[hmc.edu/vb/copper-chef](http://hmc.edu/vb/copper-chef)

## 2 ♠

## The Living Situation

Mudders are a social crew, living and working together. Nearly all students reside in one of nine residence halls, each with its own unique culture. Student proctors and mentors serve as guides and leaders who help create an energetic, supportive community.





## R. Michael Shanahan Center for Teaching and Learning

**Vibrant gathering place—and there's coffee**

It's where you'll find yourself meeting friends, taking most classes, enjoying art and music, visiting professors, getting academic support, grabbing a snack, gazing in awe at the environmentally friendly spaces and much more.

[hmc.edu/vb/shan-tour](http://hmc.edu/vb/shan-tour)



## Hands-on and interdisciplinary

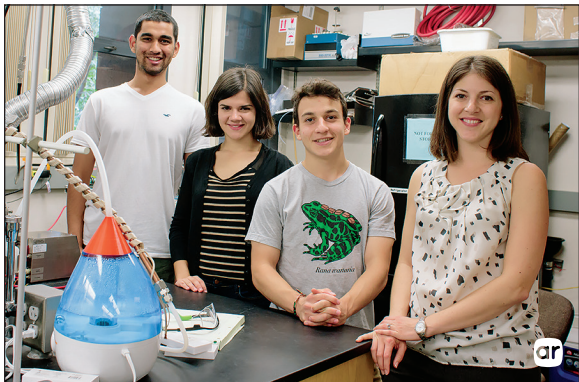
You'll conduct original research and work with professors who equip you to solve problems and explain them clearly. Biology is part of a web of concerns—social, political, cultural, ethical—so you'll study and practice it in this context. Design your concentration or consider joint majors in mathematical and computational biology or chemistry and biology.

[hmc.edu/vb/biology](http://hmc.edu/vb/biology)

[hmc.edu/vb/aging-rsrch](http://hmc.edu/vb/aging-rsrch)

# 5♠ Chemistry

HARVEY MUDD COLLEGE | PLACES



You'll gain experience with modern instrumentation and computation and get a broad-based education that emphasizes problem-solving skills. And you'll undertake excellent research opportunities that give you a leading role. There's also a chemistry and biology joint major.

[hmc.edu/vb/chemistry](http://hmc.edu/vb/chemistry)

[hmc.edu/vb/smog-rsrch](http://hmc.edu/vb/smog-rsrch)



## A blend of theory and practice

Our CS program provides invaluable experience working with real software and stresses hands-on research and design to give you an edge in an ever-changing field. Graduates go on to prominent PhD programs and innovative jobs with companies like Microsoft, Google, LinkedIn, Amazon, JP Morgan, Twitter and Blizzard Entertainment.

[hmc.edu/vb/cs](http://hmc.edu/vb/cs)

[hmc.edu/vb/gaming-rsrch](http://hmc.edu/vb/gaming-rsrch)

## Engineering

### Broad engineering training to tackle any problem

Our renowned program stresses problem solving and prepares you for professional practice, advanced study and a lifetime of independent learning. A broad-based curriculum—engineering science, systems and DMM (design, manufacturing and management)—offers rigorous theoretical analysis and hands-on experience, enabling graduates to meet any challenge.

[hmc.edu/vb/engineering](http://hmc.edu/vb/engineering)

[hmc.edu/vb/auv-rsrch](http://hmc.edu/vb/auv-rsrch)





## Humanities, Social Sciences, and the Arts

### Exploring your impact on society

As a liberal arts college rather than just a technical school, Harvey Mudd offers a curriculum that provides a broad-based education, including requirements in the humanities, social sciences and the arts (HSA), which help give breadth and depth to your studies.

[hmc.edu/vb/hsa](https://hmc.edu/vb/hsa)

[hmc.edu/vb/shakespeare](https://hmc.edu/vb/shakespeare)



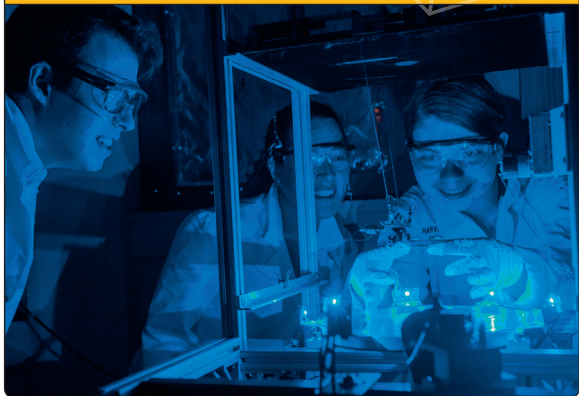


## Mathematics

### Curriculum supports a broad mathematical vision

Our program is fueled by a pure, burning love for mathematics. Core courses include discrete math, probability, abstract algebra and more. Students explore computational mathematics and investigate complex problems through Clinic or senior thesis. Our graduates enter preeminent PhD programs or take industry positions in finance, technology, biomedicine and more.

[hmc.edu/vb/math](http://hmc.edu/vb/math)



# 10♠ Physics

HARVEY MUDD COLLEGE | PLACES



## Preparing experimentalists

A flexible physics curriculum, top-notch research experiences and skilled, supportive faculty make our program among the best in the nation. You'll get an immersive experience in foundational theory and practice as well as lots of hands-on experience. Research opportunities range from astrophysics to magnetism, biolocomotion to quantum optics and more.

[hmc.edu/vb/physics](http://hmc.edu/vb/physics)

[hmc.edu/vb/lava-tube-rsrch](http://hmc.edu/vb/lava-tube-rsrch)



## **Collaborative, Problem-solving Approaches to Learning**

Science is a community endeavor. That's why our advising system is comprehensive. Encouraging students to work together and providing necessary support are a team of advisors, including peer academic liaisons (PALs) and grader/tutors (Grutors) who'll help you balance your workload.

[hmc.edu/vb/advising](https://hmc.edu/vb/advising)



## A Space to Celebrate the Arts

With acoustics that rival some of the best concert venues, the Wayne '73 and Julie Drinkward Recital Hall provides an intimate, stylish home to concerts, recitals, reading series and other performances, all free to students.





## Measure Twice, Cut Once

In the machine shop, Mudders get hands-on design experience using sophisticated machinery for fabricating and assembling items for research, Clinic and experimental projects, like a double-headed machinist's hammer, a mandatory project for all budding engineers.

[hmc.edu/vb/shop](http://hmc.edu/vb/shop)

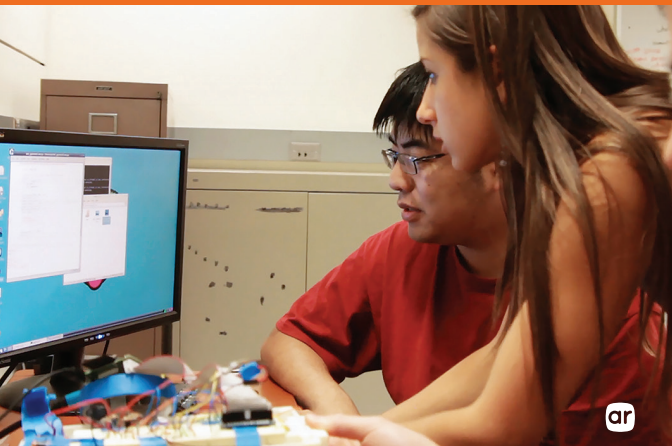


## Post-grad Options Make Us a Smart Investment

We don't like to brag (a lot), but we do produce pretty amazing alumni. Many Mudders secure high-profile industry positions and make great salaries. Payscale ranks us a top college for return on investment.

Considering grad school? Our graduates go on to top-tier PhD programs, often at places like Yale, Harvard School of Public Health and MIT.

[hmc.edu/vb/roi](https://hmc.edu/vb/roi)



## Real-life Problems, Real-time Implications

Harvey Mudd's internationally recognized Clinic Program allows you to conduct advanced research for industry, government and nonprofit clients. You'll get professional-grade experience in teamwork and communication as you solve contemporary problems, and your work may result in patents or employment.

[hmc.edu/vb/clinic](http://hmc.edu/vb/clinic)



## Research Opportunities Abound

Harvey Mudd recognizes the importance of collaborative student-faculty research, offering hands-on experiences usually reserved for grad students. You'll learn to think across disciplines, tackle problems from multiple angles and communicate your findings to varied audiences. And, you'll explore how your work could impact society.

[hmc.edu/vb/research](http://hmc.edu/vb/research)





## Our Solid Core Is Your Academic Foundation

It's steeped in tradition, constantly evaluated, endlessly relevant and unlike anything you experienced in high school. It's a suite of classes—in chemistry and computer science, mathematics and modeling, physics and biology, engineering and the humanities, social sciences and the arts—designed to give you a scientist's essential tools: a thorough grounding in the foundational knowledge of the field, with hands-on experience in fundamental skills and applications and a broad understanding of the context in which science is practiced. It's also a bonding experience: All first years take it, so you'll talk about it, work on it and conquer it together. Then, as you move through the rest of the curriculum, it will serve as a reference and a guide. The Core gives you a broad scientific background, no matter what your future major, and introduces you to the critical relationships between the STEM disciplines.

[hmc.edu/vb/academics](http://hmc.edu/vb/academics)



## Majors at Harvey Mudd

Harvey Mudd offers six traditional STEM majors as well as joint and specialized programs.

Our **Biology** major equips you to solve open-ended problems that have social and ethical ramifications.

**Chemistry** majors receive broad training through challenging classes and hands-on experience with modern instrumentation.

**Computer Science** majors are exposed to a balance of foundational theory and practice.

**Engineering** majors receive broad-based, hands-on experience in engineering practice and synthesis as well as in analysis.

**Mathematics** majors choose from a wide variety of courses in pure and applied mathematics and have many options for mathematical research.

The **Physics** major provides depth and breadth in classical and modern physics and is a strong foundation for graduate work or employment.

Taken in tandem with Core courses and the major, courses in humanities, social sciences and the arts provide humanistic and social scientific perspectives. Interdisciplinary majors are offered in **Chemistry and Biology; Computer Science and Mathematics; and Mathematical and Computational Biology.**



## Your Future Begins Here

Ranked one of the best in the country, the Office of Career Services is your resource for career counseling, skills development and self-assessment as well as help with job and internship searches and graduate school selection. Career fairs and workshops with alumni speakers are among its many helpful programs.



Nava Dallal '17 in Prague

## A Well-traveled Scientist

From Nantes to Nepal, Mudders are a global bunch. Our Office of Study Abroad helps you locate a program with strong academics and your choice of living environment. Best of all, your financial aid travels with you, so your family's contribution doesn't change. Worldwide research opportunities like our Global Clinic Program may also have you reaching for your passport!



## Science Abhors Sameness



The work we love would come to a halt if every scientist thought the same, came from the same community, operated under the same assumptions. So we take diversity seriously. Our Office of Institutional Diversity leads the community in discussions about issues of diversity (race, class, gender, religion and more) and provides funding for student-sponsored cultural programs as well as allyship training workshops.

[hmc.edu/vb/diversity](http://hmc.edu/vb/diversity)

## **Hixon Center for Sustainable Environmental Design**

Humanity's increasing carbon footprint is just one concern of the Harvey Mudd College Hixon Center for Sustainable Environmental Design. The Center works to invigorate innovative research and global action concerning some of today's most critical environmental challenges and to instill a high level of ethical and professional awareness in Harvey Mudd graduates.



## Well, Well, Well

**The Office of Health and Wellness** supports and co-educates students as they strive to find and maintain their work/life balance and provides them the resources needed to thrive as healthy, ethical leaders serving society and the world.

Driven by the College's strategic vision, the Office of Health and Wellness staff—which includes two full-time, licensed professionals—is focused on your well-being. Students also are supported by faculty advisors and peers (proctors and mentors). They are here to help you thrive, reduce risk factors and bring balance to your life. The College takes a holistic and multidimensional approach to wellness that involves a healthy lifestyle and a balance between the various dimensions of wellness: emotional, environmental, multicultural, occupational, physical, social and spiritual. By implementing intervention programs, the health and wellness team prepares students to deal effectively with current and future life demands.

[hmc.edu/vb/wellness](http://hmc.edu/vb/wellness)



Mathematics Professor Francis Su (center)

## Harvey Mudd Faculty Rock

All highly regarded experts in their fields, the dedicated members of our award-winning faculty—one-third of whom are women—know and care about their students. With an 8:1 student:faculty ratio and a faculty solely dedicated to undergraduate education and research as well as to your success, you're in great hands.

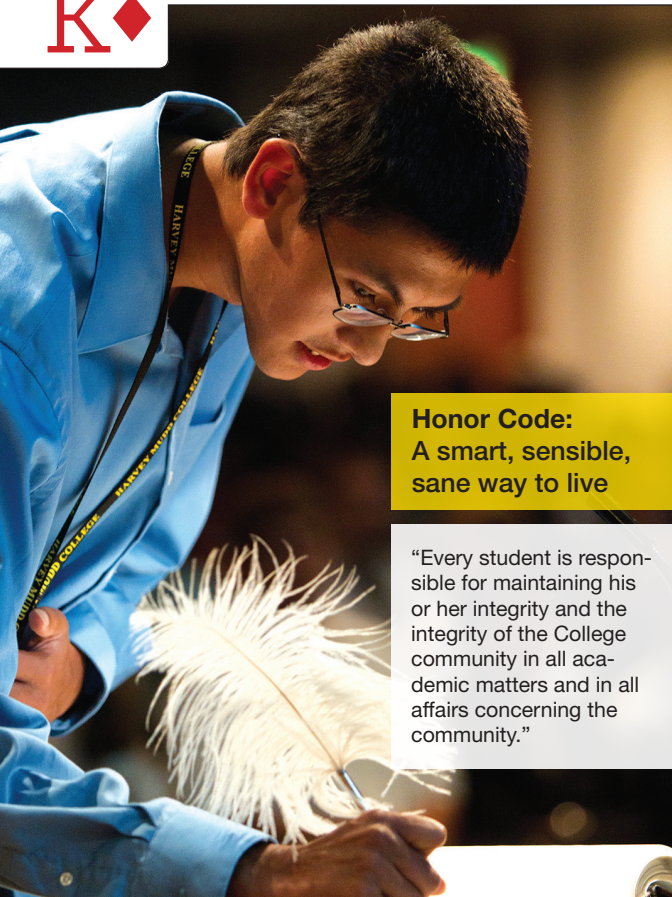




## Are You on a Mission?

We're looking for passionate problem solvers who are a good match for our mission: Harvey Mudd College seeks to educate engineers, scientists and mathematicians well versed in all of these areas and in the humanities and the social sciences so that they may assume leadership in their fields with a clear understanding of the impact of their work on society.

[hmc.edu/vb/mission](http://hmc.edu/vb/mission)



**Honor Code:**  
A smart, sensible,  
sane way to live

“Every student is responsible for maintaining his or her integrity and the integrity of the College community in all academic matters and in all affairs concerning the community.”



## Connecting With Community

What better way to share your expertise than to help those in need. The Office of Community Engagement connects students and community members through academic courses, internships, events and programs such as Science Bus, Mudders Making a Difference, Homework Hotline and the course Bicycle Revolution.

[hmc.edu/vb/community](http://hmc.edu/vb/community)

2 

## Residential Life Coach

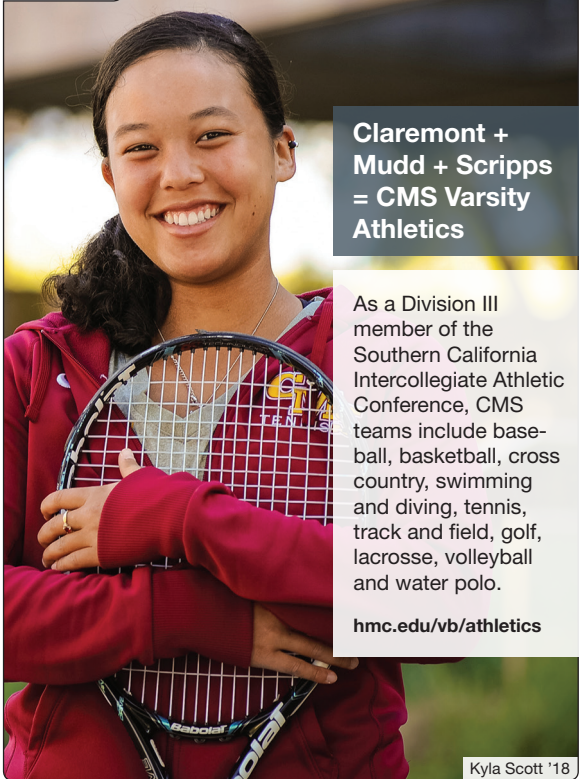
Stationed in every dorm, proctors and mentors help to oversee Harvey Mudd's unique residential culture, working to ensure every student feels at home away from home. Part older sibling, part friend, these knowledgeable, fun-loving Mudders are on call 24/7 to provide advice and support, whether academic, residential or social.



## Student Government

Every student is a member of the Associated Students of Harvey Mudd College (ASHMC) and is able to take advantage of all ASHMC-sponsored extracurricular and social events as well as to participate in many facets of student governance. The student government consists of an executive board, senate and honor board. Each class and each dorm elects its own presidents, and the student body collectively votes for executive and honor board members (even first years are encouraged to run!). A registered California 501(c)4 corporation, ASHMC has its own budget and has a real impact on the student body and the College. One of the activities ASHMC supervises is the Committee for Activities Planning (CAP), which plans events designed to get students off campus and having fun—think concerts, the beach, amusement parks and other Southern California events and attractions.

[hmc.edu/vb/ashmc](http://hmc.edu/vb/ashmc)



**Claremont +  
Mudd + Scripps  
= CMS Varsity  
Athletics**

As a Division III member of the Southern California Intercollegiate Athletic Conference, CMS teams include baseball, basketball, cross country, swimming and diving, tennis, track and field, golf, lacrosse, volleyball and water polo.

[hmc.edu/vb/athletics](http://hmc.edu/vb/athletics)

5♣



## Wednesday Nighters

This weekly event features student-led performances (singers, dancers, musicians, improv groups) or activities (games and trivia). It's a great way to take a mid-week break, enjoy free doughnuts on comfy sofas, share your gift or support your talented — or just brave — peers.





### **Bring on the Fun**

Crib Races, Battle Tie-Dye and more—all put on by DSA Muchachos, student leaders who plan zany, stress-relieving events to help Mudders maintain work/life balance. More than 50 campus clubs—from archery to improv to unicycles—offer diversions from the rigors of study.

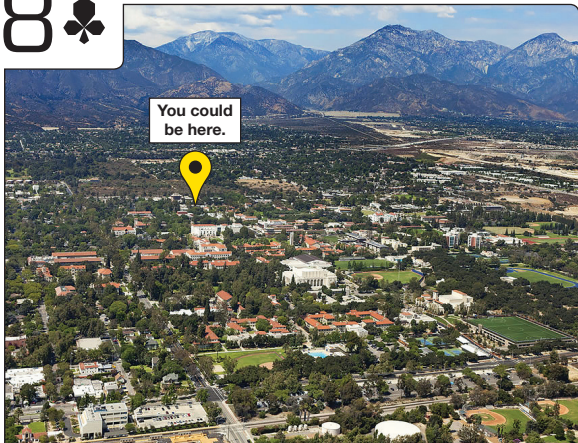


## **Collaborative Academic Tutoring**

The Writing Center and the Academic Excellence Program promote collaborative, problem-solving approaches to academic work.

Recognizing that even the best writers benefit from peer review, the Writing Center provides a welcoming space for writers to get feedback on their composition projects, whether written, spoken or visual. Writing Center consultants assist students in any discipline with any stage of the writing process, from developing an idea to polishing a final draft. You'll work through the writing process and improve the expression of your ideas by participating in individualized conferences and group workshops with trained peer consultants.

The Academic Excellence Program provides opportunities for students to work together to improve their understanding of concepts in the academic Core. Workshops are guided by student facilitators, outstanding upperclass majors recommended by their departments. They're trained to teach problem solving and collaborative learning strategies while helping you work to understand the material at the level of mastery required for success at Harvey Mudd.



You could  
be here.

## Separate Missions, Combined Resources

The Claremont Colleges are five outstanding undergraduate (5-Cs) and two innovative graduate schools, each with a unique culture. You'll have access to 2,500 classes, 700 faculty members, 300 organizations and dozens of programs—just like a small, well-appointed university.

**Creative Buzz ...**

This is the idea behind the Rick and Susan Sontag Center for Collaborative Creativity (nicknamed The Hive). It's an innovative setting where students from the 5-Cs can be intellectually daring and work in creative teams on projects of their choice.

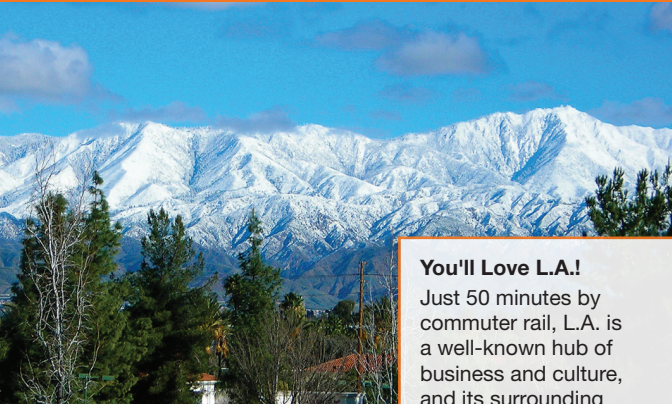
[hmc.edu/vb/hive](http://hmc.edu/vb/hive)

“The challenges we face today call for audacious thinkers and doers who can work collaboratively and creatively across disciplines.” —Rick Sontag '64



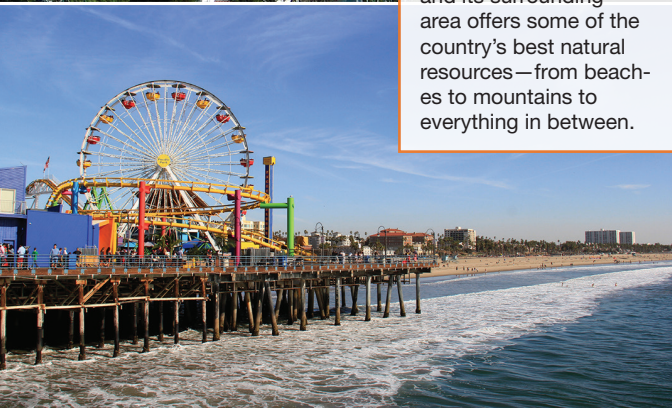
## L.A.'s Best-kept Secret

Claremont is a small town (for California), with a downtown village located just a dozen tree-lined blocks from campus. You'll find specialty shops, a movie theater, galleries, cafes and more. Parks abound, including a botanic garden and ample cycling and hiking trails in the nearby foothills. It's safe and accessible, with a lively community identity.



### **You'll Love L.A.!**

Just 50 minutes by commuter rail, L.A. is a well-known hub of business and culture, and its surrounding area offers some of the country's best natural resources—from beaches to mountains to everything in between.





Calvin Leung '17 and Mike Nino, mentor

## **A Welcoming, Inspiring Culture**

Harvey Mudd nurtures a close-knit, fun-loving, creative community. One program, Mudders Mentoring Mudders (M3), connects alumni, faculty and staff with students, who are supported throughout their time at Harvey Mudd.

[hmc.edu/vb/leung](https://hmc.edu/vb/leung)





### **All Work and No Play—Not Here!**

Even with super busy schedules, Mudders make time to relax, hang out and take a break. Without leaving campus, you'll find myriad activities arranged by the Division of Student Affairs, a well-equipped activities center and a very popular late-night hangout (Jay's Place).