

PHYSICAL SCIENCES QUARTERLY

FALL 2014 EDITION

<http://ps.uci.edu/stuaff/>

ANNOUNCEMENTS/ UPCOMING EVENTS:

- Come check out our page on Facebook for school updates and other important information . Look us up under UCI Physical Sciences <http://www.facebook.com/UCI.PhysSci>
- You can enroll in a maximum of 18 units when your window opens. This is increased to 20 units during Open Enrollment.
- As of October 10, 2014, iCAMP and Math 77 will no longer be offered.



IMPORTANT FALL QUARTER DATES:

- | |
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| Oct. 2 - Instruction begins |
| Oct 17 - Deadline to add/drop a class without dean's approval using WebReg (5pm) |
| Nov 11 - Veteran's Day |
| Nov 27-28 - Thanksgiving Holiday |
| Dec 12 - Last day of classes |
| Dec 13-19 - Final Exams |
| Dec 22-Jan 1 - Winter Break, holidays |

ADD/DROP POLICIES

****ADD/DROP:** The deadline to add or drop courses in the School of Physical Sciences is the end of Week 2 by 5:00PM. Add/Drops can be made in WebReg.

****CHANGE:** The deadline to change grade option or variable units is the end of Week 2 by 5:00PM. Changes can be made in WebReg.

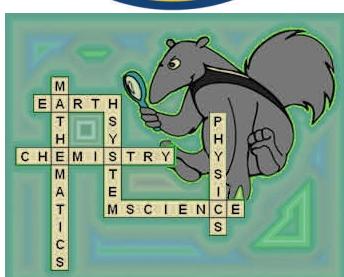
An online petition will be used for adds, drops, and changes after the listed enrollment deadlines have passed. Log into [STUDENT ACCESS](#) to submit an enrollment exception request.

****Some departments within the School of Physical Sciences have deadlines earlier than those for the School. Please see the comments in the SOC for details:**

NO CHEMISTRY LABORATORY CHANGES AFTER WEEK 1. Please NOTE:
This deadline is earlier than the School of Physical Sciences week 2

In this issue...

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- Math & Biology Minor and Specialization
- Math, Chem and ESS clubs
- Physical Sciences' Anteater Spotlight!
- Tutoring Info
- Research Opportunities
- ...and much, much more!



GRADUATING SENIORS

Don't forget to submit those graduation applications, the time is now if you plan on graduating in the spring or summer. Log in to Student Access today!



Mentor Program

Great opportunity to be paired up with an alumni or science professional as a mentor

Gain insights to potential career paths; map-out areas for personal and professional development; and seek council regarding issues of concern

For more information visit: <http://www.physsci.uci.edu/mentor>

The Physical Sciences Undergraduate Mentoring (PSUM) runs annually from November to May.

CAREERS AFTER COLLEGE

[HTTP://PS.uci.edu/stuaff/content/careers](http://ps.uci.edu/stuaff/content/careers)

- **Math** provides a solid foundation for further study in graduate or professional school, including law school or business school. Information about math careers is available at: [AMS Careers](#), [MAA Careers](#), and [AWM Career Resources](#).
- **Physics** majors are analytical thinkers with a basic understanding of natural processes. Even with a Bachelor's degree, physics majors are in high demand in our technological society. To get an idea of industrial opportunities go to: www.dice.com and search "physics", [AIP Careers](#), [APS Careers](#), and [SPS Careers](#).
- **Chemistry** majors are prepared to go on to careers in the chemical sciences as well as in biology, medicine, earth sciences, secondary education, business, and law. More information is available at: [AIC Careers](#), and [ACS Careers](#).
- **ESS** students go on to graduate school programs and careers as research scientists in academic, public, or private institutions. Students are prepared to enter the workforce directly as scientists in a diverse array of fields. ESS career information can be found at: [AGI Careers](#), [AGU Careers](#), and [GSA Careers](#).

MATH AND BIOLOGY SPECIALIZATION AND MINOR

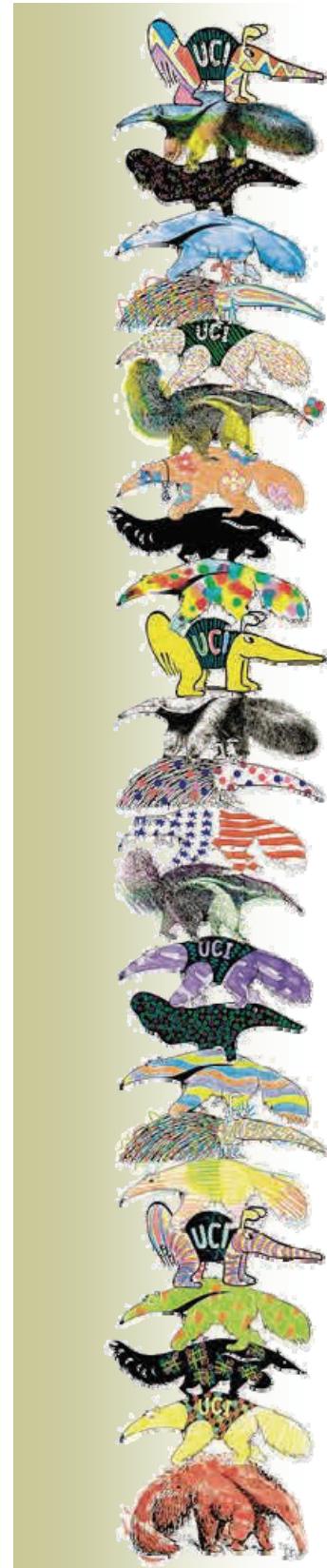
Interested in math AND biology?

Math majors, there is a **specialization in Mathematical Biology!** Mathematical biology is an integration of using mathematical models and tools and their applications in biology. Mathematical models and simulations are formulated and analyzed in order to answer biological questions.

There is also a **minor in Mathematics for Biology** for non-majors. Both the minor and specialization includes a new course, **Mathematical Modeling in Biology (Math 113A-B-C)**. If interested, please come by our office for more information!

UROP – UNDERGRADUATE RESEARCH

- What does UROP stand for? Undergraduate Research Opportunities Program
- UROP encourages and facilitates research and creative activities by undergraduates from all schools and academic disciplines at UCI.
- Research opportunities are available not only from every discipline, interdisciplinary program, and school, but also from many outside agencies, including national laboratories, industrial partners, and other universities.
- UROP offers assistance to students through all aspects of the research process, from proposal writing, to project management, awarding grant money, as well an opportunity to publish findings in UCI's own undergraduate research journal.



ANTEATERS MATHEMATICS CLUB

The Anteaters Mathematics Club is a student run organization that brings together students interested in mathematics. AMC provides opportunities for students to explore various topics of mathematics outside the classroom, enhance student communication and cooperation, and provide resources to help students prepare for future careers in mathematics. We also have some fun activities such as: talks from professors and graduate students, workshops on careers, graduate schools, and undergrad research as well. Math Club meets every Monday at 4-5PM at Natural Sciences 2, room 1201. You do NOT need to be a major to join AMC! Anyone who is passionate about mathematics is welcome. And please visit our Facebook page: <https://www.facebook.com/groups/anteater.math.club/>



EARTH SYSTEM SCIENCE CLUB

The Earth System Science Club is an undergraduate student run organization committed to bringing together individuals interested in the field of Earth System Science as a community. Our club provides ESS related volunteer and networking opportunities. We are open to all majors. Typical meeting times are Wednesdays at 4:00pm in Croul Hall 3101.

Like our page: <https://www.facebook.com/pages/Earth-System-Science-Club-at-UC-Irvine/401533326597977>

Join our group: <https://www.facebook.com/groups/196761771800/>

Email us at esscrvine@gmail.com

CAL TEACH CLUB

The UCI Cal Teach Club (CTC) was founded in the fall of 2008. The CTC is affiliated with UCI's Cal Teach Program, which is a 4-year undergraduate program where you can earn your bachelor's degree in Math or Science along with a secondary teaching credential. However, you do not have to be committed to the Cal Teach Program to be a part of the Cal Teach Club. We invite all individuals who are interested in teaching, tutoring, or learning more about the education field in general. Our mission is to foster a community of future teachers here at UCI, and to offer a chance to network with other future and current educators. We aim to achieve this by bringing in guest speakers such as current/retired teachers, alumni, and other experts in the education field. Club meetings will have snacks, social events, speakers and informative workshops! This is your chance to discover whether or not teaching is for you.



To find out more of what we have to offer and our upcoming events, feel free to contact us at calteachclub.uci@gmail.com. We have meetings on Tuesdays at 7 PM, every odd week; location may change so stay updated by visiting our website at <http://calteachclub.blogspot.com>!

CHEMISTRY CLUB



We are the American Chemical Society Student Affiliates also known as the Chemistry Club at UC Irvine. The Chemistry Club is an undergraduate organization that is committed to help other undergraduates on campus to reach their educational and career goals by showing them many opportunities that are available throughout the field of Chemistry. Our club has many exciting events including research talks, graduate student panels, field trips, and much more! These past quarters, our club has been privileged to have Chemistry professors such as Dr. Penner and Dr. Luptak to talk about their research. We have also had several guest speakers from different campuses to talk more about their research and what resources we have available. We also had a panel of graduate students where undergraduates had the opportunity to ask questions about graduate school, including how to apply, increase your likelihood of being accepted, and what life as a graduate student is like. Every

year, we go to the Santa Ana Zoo for National Chemistry Week to do a Chemistry experiment with children. We also visit the UCI's Nuclear Reactor with Dr. Shaka's supervision. We participate in the Wayzgoose Festival in Aldrich Park on Ring Road, and we are determined to participate in more school events including Relay 4 Life.

Our club looks forward to having more exciting events and bringing students together to celebrate Chemistry in its many forms.

Visit our Facebook Page: www.facebook.com/ucichemistryclub

The School of Physical Sciences presents

Anteater Spotlight

Richelle Homo

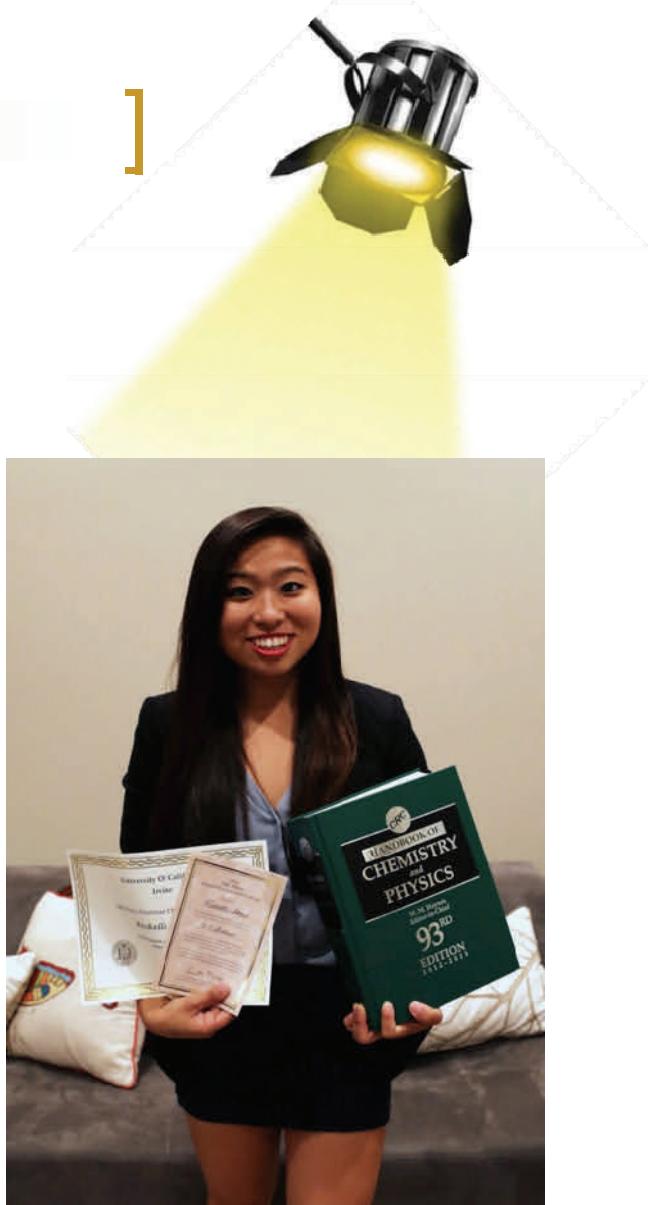
Meet Chemistry and Biological Sciences double major Richelle. Among her many accomplishments is that she is Vice President of Marketing and Communications for UC Irvine's Student Alumni Association. Her impressive academics put her in the top 1% of undergraduate students. Richelle recently decided to pursue a career in medicine, having been inspired her whole life by a close family member with special needs. In her time away from campus she volunteers at her local church and created a religious studies program that caters to children with special needs. She also serves as a caregiver for In-Home Support Services of Orange County. Oh, and if that didn't keep her busy enough, she also became a licensed pharmacy technician in 2013.

Richelle is also involved in research on campus, with Professor Jafari. Her lab group intends to slow the aging process in hopes of delaying the onset of disease and many other conditions, including cancer. She performs extractions, uses HPLC, ESI-TOF assays and works with fruit flies. She also does web design for her research group. As a member of the Chemistry Outreach Program Richelle visits nearby K-12 schools and educates students on the beauty and usefulness of chemistry in everyday life. She demos fun experiments in front of the kids.



As a Campuswide Honors Student she served as Student Council rep her first year and designed the CHP t-shirt the last two years. Richelle is a singer and a photographer too! Many offices on campus call Richelle to photograph their events. Her photos are used in letters, websites, and have been framed and displayed all over campus. Her amazing photos have also been featured at the OC Fair. There is not enough room to list her many awards and scholarships. Richelle is a shining example for all students. She balances her school work and personal life with perfection and we can all be sure that she will accomplish great things in her bright future!

Congratulations, Richelle!



Richelle Homo

Class of 2016

B.S. Chemistry

B.S. Biological Sciences

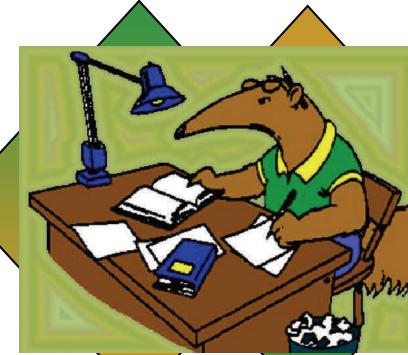


Free Tutoring!

Free and Private tutoring is available for CHEMISTRY, PHYSICS, and MATHEMATICS!

Visit this website for more information:

<http://ps.uci.edu/stuaff/content/tutoring>



WOULD YOU LIKE TO PARTICIPATE IN RESEARCH?

Visit the Research page of our office website, at

[http://ps.uci.edu/stuaff/opportunities/research.](http://ps.uci.edu/stuaff/opportunities/research)

Come in and see us for more info in RH 134.

APPLY TO BE A PEER ACADEMIC ADVISOR



Applications are available online for all academic units during 7th week Fall Quarter. These applications are also available at the Undecided/Undeclared Advising office located at 256 Aldrich Hall. This is a PAID position! Learn more about the Peer Academic Advising Program at

<http://www.due.uci.edu/paap>

UPDATE YOUR ADDRESS

Remember, every time you move, you should log on to the Student Access website and update your local and/or permanent address. This way, the Student Affairs Office and other offices on campus can send you important information in the mail.

MEET THE PEER ADVISORS AND ACADEMIC COUNSELORS

Our office is open weekdays from 9:00am—4:00pm, and we advise walk-in students every day, no appointment needed. We are in 134 Rowland Hall!

Christina Vu.....yucp@uci.edu

Andy Li.....liak1@uci.edu

Naomi Carrillo.....ncarril1@uci.edu

Jhealyn Rogers.....jfrogers@uci.edu



Questions?.... Please contact a Peer Academic Advisor or Academic Counselor at 949-824-6507, or pssazot@uci.edu, or come into the office to speak with us. We are located in Rowland Hall 134 and our walk-in hours are Mon-Fri 9:00 am—4:00 pm.