

School of Engineering Weekly E-Newsletter

Week of March 27 2017

Vol. 7- Issue 12

Announcements

Advising and More! More information on Page 2.

Commencement Information. More information on Page 7.

Graduation Information. More information on Page 8.

Important Dates:

** Deadline to withdraw with “W” —

April 4

** Fall 2017 Registration opens—

April 10

If you need assistance, please contact your [advisor](#)



Internships, Jobs, Fellowships, & Graduate School

[New: NCCAVS Undergraduate Scholarship Opportunity
Institute for Broadening Participation](#)

[Rentec Direct's Tech Mastery Scholarship](#)

[Nourish Technology Inc. CSE Intern](#)

[Nourish Technology Inc. ME Intern](#)

[CRM Administrator & Applications Programmer
\(Contract\)](#)

[Biosense Webster](#)

[The Air Force Research Laboratory](#)

[GEICO Achievement Award](#)

[Entry Level Jobs and Internships at Pfizer](#)

[Santa Cruz Biotechnology-Entry Level Computer Science
position](#)

[GoEngineer webinars](#)

[AccessComputing](#)

[Pathways to Science](#)

[NASA internships, fellowships and scholarships](#)

[California Energy Commission energy analyst](#)

For more information visit:

[http://enr-advising.ucmerced.edu/resources/
career-resources/internships-research-
opportunities](http://enr-advising.ucmerced.edu/resources/career-resources/internships-research-opportunities)

Advising/Student Services

Don't forget to check us out on [Facebook](#)!

Need to contact your academic advisor? Check [here](#) for more information.

Visit our website at <http://enr-advising.ucmerced.edu/>

Academic Advising

Advising WALK-IN

Monday: 9:00am - 11:45am, 1:00pm—4:00pm

Tuesday: 9:00am - 11:45am, 1:00pm—4:00pm

Wednesday: 9:00am - 11:45am, 1:00pm - 4:00pm

Thursday: 9:00am - 11:45am, 1:00pm - 4:00pm

****See advising website for your advisors specific availability****

Last Names A-E (all students) – Nadia Margison
(nmargison@ucmerced.edu)

Last Names F-L (all students) – Christina Mayo-Hessler
(cmayo@ucmerced.edu)

Last Names M-Q (all students) – Phung Colvin
(pcolvin@ucmerced.edu)

Last Names R-Z (all students) – Karla Gonzalez
(kgonzalez34@ucmerced.edu)

Resources

Stem Resource Center— Free tutoring, STEM courses

Location: AOA 114

Website: <http://stemresourcecenter.ucmerced.edu/>

Tutoring Schedule:

<http://stemresourcecenter.ucmerced.edu/tutoring>

Bright Success Center— Peer Assisted Learning Support
available start **February 2nd**.

Location: KL 222

Website:

<http://learning.ucmerced.edu/programs/tutoring>

Note: Please check the website as the schedule will continue to develop. All sessions are **free** of charge, no sign-ups needed.

Center for Career & Professional Advancement (Career Services)

Center for Career & Professional Advancement has open walk-in hours every day from 10 am to 2pm to assist you with career related questions.

If you would like to talk to the STEM Career Specialist, Robert Goodman, please email him at rgoodman@ucmerced.edu.

Spring 2017 Semester

ANNOUNCEMENT!

Walk-In hours and **appointment** times have changed!

Advisors will be seen during Walk-In ONLY starting March 24, 2017 until April 14, 2017.

Please be sure to check our advising website for specific times.

<http://engr-advising.ucmerced.edu/see-my-advisor>

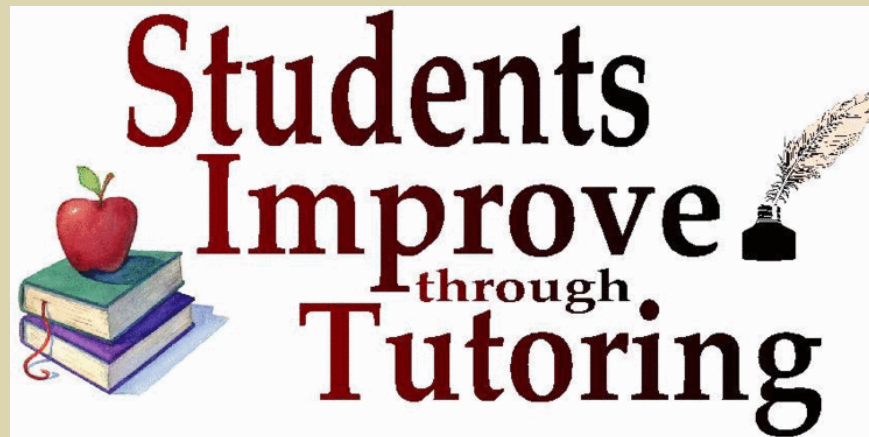


Spring 2017 Semester

Tutoring

Mid-term exams are upon us!

Don't forget about tutoring at the [STEM Resource Center](#), [PALS Program](#), and [The Math Center](#)!



Spring 2017 Cohort!

Jump Start Your 3rd Year!

Is this your second year at UC Merced? Are you an Engineering Student? Did you start here as a freshman student? If you answered yes,

Please make your appointment regarding Jump Start Your 3rd Year!

Let us get a “jump start” on preparing for your 3rd year of college as a School of Engineering student!

Topics to be discussed will include (but not be limited to):

- How's school going?
- What are your plans for after graduation?
- Are you already involved in internships/research/volunteering?
- Have you visited the Center for Career and Professional Advancement?



*** Holds were placed on March 10, 2017**

**** After deadline, holds will be placed on registration until appointment has been satisfied**

Fall 2016 Semester

THE MATH CENTER

UCMERCED
mathcenter.ucmerced.edu

Like us on Facebook: facebook.com/ucmmathcenter/

Learn math with us!

Monday - Thursday
11:30am - 6:30pm
SSB 320

The Math Center provides UC Merced undergraduates with support for all math-related coursework and questions by offering extensive hours of availability, instructor involvement, and experienced teachers.

Check out our friends at:



bit.ly/PALS_Schedule



stemresourcecenter.ucmerced.edu

Commencement Information

Calling all Spring 2017 and Summer 2017 graduates!

If you've completed over 90 units, you may be eligible to participate in Commencement 2017!

New location for Commencement 2017: The Carol Tomlinson-Keasey Quad

CEREMONY INFORMATION:

SCHOOL OF ENGINEERING & SCHOOL OF NATURAL SCIENCES

SATURDAY, MAY 13, 2017 -- 9:00 A.M.

SCHOOL OF SOCIAL SCIENCES, HUMANITIES, AND ARTS

SUNDAY, MAY 14, 2017 - 9:00 A.M.

GENERAL REQUIREMENTS:

Eligible candidates (undergraduate and graduate) who are completing their degree requirements must have a [Graduation Application](#) on file with the Registrar prior to completing the [Commencement Participation Registration Form](#).

If you are a senior planning to graduate, you will need to complete the [Graduation Application](#) for the term in which you will complete your degree requirements.

- continued on next slide—



Graduation Information

Calling all Spring 2017 and Summer 2017 graduates!

Please reference the application deadlines below:

Graduation Term	Graduation Application Deadline	Commencement Registration Deadline
Spring 2017	February 15, 2017	February 15, 2017
Summer 2017	June 15, 2017	February 15, 2017

For questions regarding your Graduation Application, please contact the Office of the Registrar at: registrar@ucmerced.edu.

COMMENCEMENT PARTICIPATION APPEALS:

[Commencement Participation Appeals](#) may be submitted by students who wish to participate in Commencement 2017, but are scheduled to complete their degree in Fall 2017 or later. Appeals are reviewed individually and granted on an **as-needed basis only**. The deadline to submit a participation appeal is March 20, 2017.

TICKETS AND PARKING:

Each commencement participant will receive eight (8) guest tickets and a maximum of two (2) parking permits. Distribution information will be sent out during the spring semester.

WEBSITE & ADDITIONAL QUESTIONS:

The [Commencement website](#) is now live and you will be able to find the answers to several of your questions there. If you have any additional questions, please contact us at any time via email at commencement@ucmerced.edu.

Workshops, Events & Sessions

Engineering Service Learning Workshops

Sign-up for any of the following events at:

<http://engineeringervicelearning.ucmerced.edu/events>

Learn CAD (Computer Aided Design): Foundation

Food will be provided.

At the end of the workshop student will understand basic CAD knowledge and modeling skills. This workshop is apart of a series on Computer Aided Design using the AutoDesk Inventor software. Students should attend all workshops in the series as each session builds on the previous.

If you have any questions, please contact us at esl@ucmerced.edu

Tuesday, April 4, 2017

11:00 am—12:00 pm

SSM 154

[http://engineeringervicelearning.ucmerced.edu/
events/computer-aided-design-foundation](http://engineeringervicelearning.ucmerced.edu/events/computer-aided-design-foundation)

Arduino Prototyping: Foundation

Food will be provided for registered guests.

Learn the basics needed to begin using the Arduino electronic prototyping platform. This workshop will cover basic coding, installation, electronics, and circuitry. No previous knowledge or experience is required.

If you have any questions, please contact us at esl@ucmerced.edu.

Tuesday, April 4, 2017

5:00 pm—7:00 pm

S&E 160

[http://engineeringervicelearning.ucmerced.edu/
events/arduino-foundation](http://engineeringervicelearning.ucmerced.edu/events/arduino-foundation)

Workshops, Events & Sessions

Engineering Service Learning Workshops

Sign-up for any of the following events at:

<http://engineeringservicelearning.ucmerced.edu/events>

Graphic Design: Photoshop Done Right

Food will be provided to registered attendees of this workshop.

In this first of two workshops, join us to learn the fundamentals of creating a flier using the Adobe Software Suite. This first session will cover basic photo editing using Photoshop.

If you have any questions, please contact us at esl@ucmerced.edu

Thursday, April 6, 2017

6:00 pm —8:00 pm

KL 208

<http://engineeringservicelearning.ucmerced.edu/events/graphic-design-photoshop-done-right>

Python Basics with Topcon

Students will cover the basics of python with the help of a Python expert. This is the first workshop in a 3-part series that will go through a common problem Topcon and other industry professionals have to solve.

If you'd like to participate, you are required to register for all four Topcon workshops. Space will only be given to registered guests and if you'd like an exception made please email esl@ucmerced.edu.

Friday, April 7, 2017

11:00 am—1:00 pm

S&E 160

<http://engineeringservicelearning.ucmerced.edu/events/python-basics-topcon-o>

Workshops, Events & Sessions

Engineering Service Learning Workshops

Sign-up for any of the following events at:

<http://engineeringservicelearning.ucmerced.edu/events>

BasketBall Analysis using SQL: Level 1

Food will be provided to registered attendees of this workshop.

Attendance to all workshops in this series is recommended since each session builds on the previous.

Student will learn how to use the SQL database to analyze basketball games. During this session, participants will be setting up the data and creating relationships about different games to analyze.

If you have any questions, please contact us at esl@ucmerced.edu

Friday, April 7, 2017

5:00 pm —6:30 pm

SE1 100

<http://engineeringservicelearning.ucmerced.edu/events/sql-basketball-analysis-level-1>

Workshops, Events & Sessions

CITRIS Workshops

Sign-up for any of the following events at:

<http://citriss.ucmerced.edu/calendar/2017-03>

Please continue to check the website for any updates.

There are currently no CITRIS Workshops available at this time.

Workshops

ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS
SACRAMENTO CHAPTER

STUDENT NIGHT MEETING SCHOLARSHIPS & POSTER SESSIONS

TUESDAY, APRIL 25, 2017

Old Spaghetti Factory
1910 J Street, Sacramento CA

5:30 – 7:00 pm	Social Hour & Student Posters
7:00 – 8:00 pm	Dinner & Announcements
8:00 – 8:15 pm	Scholarship Awards
8:15 – 8:30 pm	Raffle

The AEG Sacramento Chapter is hosting its annual Student Night meeting on Tuesday, April 25th. The meeting is a great opportunity for geology students to meet/interact with professional geologists in the environmental & engineering geology fields. Student dinners are only \$10!

*Students (both undergraduate and graduate) are encouraged to display posters highlighting your thesis research and/or classroom research for discussion/input in an informal setting. For students who are graduating soon, it is a great way to network with prospective employers. If you are planning on displaying a poster, please notify Matt Buche at mbuche@sageengineers.com. **The first 8 students who sign up and display posters will be awarded \$50. Attendees of the meeting will vote on the best poster, and the winner will receive an additional \$100!***

**Two \$1,000 scholarships to junior or senior year undergraduate students
Two \$1,500 scholarships to graduate students pursuing a Masters degree with
an environmental or engineering geology emphasis**

Applicants must be currently enrolled in one of the following four-year universities:

CSU Chico	CSU Sacramento	UC Davis	Univ. of Pacific
CSU Fresno	CSU Stanislaus	UC Merced	

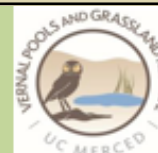
The application deadline is 5:00 pm on Thursday, April 13th. See the application materials for full eligibility requirements and instructions.

Meeting reservation details and scholarship applications materials are available at:

www.aegsacto.org

Workshops

Naturalist Training Course Vernal Pools and Grassland Reserve



Spring 2017



Hiking, nature study, bird watching, fun!



Course is meant to provide UCM students with the background, knowledge and hands-on experience to become student naturalists and lead trips in the Vernal Pools and Grassland Reserve. Non-credit. No cost!



Topics Covered



- Introduction to Reserve ecosystem: endangered habitats and organisms.
- Common animals, birds and plants of the Reserve: identification, habitats, range, diet and foraging
- Navigating the Reserve: maps, features, orienteering, and using a GPS
- Avian raptors: predator-prey relations
- Invasive plants: characteristics, adaptations and impacts
- Local hydrology, climate and weather patterns



Schedule & Time

Mondays, 9-11:50am
Feb 6- April 24, 2017

Location

107 Social Science &
Management Building

**To Register: Contact Mo Kolster, Reserve
Director, at mkolster@ucmerced.edu**

Graduate School on your Mind?

California Forum for Diversity in Graduate Education

Saturday, April 8, 2017 | University of California, Merced
8:00 am-4:00 pm

The Forum is an all day event designed to acquaint students from underrepresented groups with the academic and career opportunities associated with advanced study in a wide range of disciplines.

Open to: Sophomores | Juniors | Seniors | Master's Candidates
**minimum GPA of 3.0 recommended for all students)

The forum will offer workshops on

- ♦ How to Pay for Grad School: Before, During, and After
- ♦ Demystifying the GRE
- ♦ How to Prepare for the GRE
- ♦ The Relation of the Master's to the PhD
- ♦ How to Select, Apply to, & Prepare for Graduate School
- ♦ Undergraduate Research Opportunities
- ♦ Identifying Pathways for AB 540 and Undocumented Students
- ♦ How to Write a Winning Statement of Purpose
- ♦ Keys to Success and Survival in Grad School
- ♦ Successful Strategies for Acquiring Strong Letters of Recommendation

All participating students must register for the forum at: <http://www.caldiversityforum.org/register> by using the registration code: **bobcat2017**. will get a confirmation email with event details.

2017 Northern California Forum for Diversity in Graduate Education

UC Merced will be hosting the **2017 Northern California Forum for Diversity in Graduate Education**. The Forum will be held on **Saturday, April 8, 2017**, from 8:00 am to 4:00 pm. This is a great event designed to encourage student who come from underrepresented groups to get acquainted with academic opportunities in graduate education. Between 1,000 to 1,200 diverse undergraduates and master's students will attend from the northern UCs and CSUs, and many of the northern California privates (Stanford, UOP, USF, Mills, etc.).

and subject specific workshops on

- ♦ Physical Sciences & Math
- ♦ Arts & Humanities
- ♦ Life Sciences
- ♦ Social Sciences
- ♦ Engineering & Computer Science
- ♦ Education
- ♦ Behavioral Sciences
- ♦ Health & Human Services

Plus! **Graduate Recruitment Fair**

Featuring **150+ recruiters** from across the nation

The Forum will provide **FREE LUNCH**.

Register now — space is limited!

To participate in the Forum, please visit: caldiversityforum.org/register.

The registration code is: **bobcat2017**

UC Merced: Graduate Division

For more information: grad@ucmerced.edu

Opportunities

NCCAUS Undergraduate Scholarship Opportunity

The Northern California Chapter of the AVS (NCCAUS) is awarding an undergraduate scholarship for student(s) who show exceptional promise in areas of interest to the AVS. The AVS is an interdisciplinary, professional society that supports networking among academic, industrial, government, and consulting professionals involved in a variety of disciplines - chemistry, physics, biology, mathematics, all engineering disciplines, business, sales, etc. through common interests related to the basic science, technology development, and commercialization of materials, interfaces, and processing area.

The scholarship is for \$5,000 per year, renewable up to four years as long as the student remains in good standing with a minimum 3.0 GPA. The student must be enrolled full time in a scientific or technical area of study relevant to the AVS. The awardee will receive a complimentary student membership in the AVS and will be given the opportunity to participate and organize the NCCAUS annual equipment exhibition, technical symposium, and student poster session.

Requirements for the scholarship include:

- First or second year undergraduate student enrolled in a 4-year college or university within the geographic bounds of the NCCAUS (which includes California zip codes 93700-96099 and Nevada)
- Declared major in a field that displays relevance to the AVS.
- Minimum 3.0 cumulative GPA

To apply, submit the following materials to nccaus_scholarship@avs.org:

- A one-page statement of purpose, describing the applicant's career interests and how it may be relevant and contribute to the mission of the AVS. (See <http://avs.org/About> for more information)



*Science and Technology
of Materials, Interfaces, and Processing*

- One letter of recommendation from someone who can assess the student's potential for areas of interest to the AVS. (The letter may be sent separately by the reference)
- Unofficial Academic Transcript. Abbreviations of classes should be correlated with class titles if not provided on the transcript. Official Transcripts will be required prior to award

Applications are due no later than Mar. 31, 2017. The award will be announced by May 19, 2017.

Opportunities



<http://maces.ucmerced.edu/>



**Merced Nanomaterials Center for
Energy and Sensing (MACES)
Undergraduate Research Fellowship, UC Merced
Summer 2017**

<http://maces.ucmerced.edu/summer-undergraduate-research-program>

Stipend/Duration: \$3,200; June 5 – August 4, 2017

Eligibility: Full-time UC Merced undergraduate students with at least two semesters of college experience (GPA 3.0 or above); US citizen or permanent resident status

Application Deadline: **April 1, 2017**

Application materials:

- Unofficial transcript
- Contact information of one reference
- 300 word statement of research interests
- Name of preferred (and second choice) MACES faculty advisor:
<http://maces.ucmerced.edu/summer-undergraduate-research-program>

Email application to: Petia Gueorguieva, pgueorguieva@ucmerced.edu

Opportunities

Have you submitted your HENAAC scholarship application yet? Don't delay, submit TODAY!

The Great Minds in STEM™ (GMiS) 2017 HENAAC Scholarship Application Portal is Now Open!

DEADLINE: 11:59 PM PST, April 30, 2017

Graduating high school seniors, undergraduate students and graduate students, who intend to or are currently pursuing a science, technology, engineering, or math (STEM) degree at an accredited college/university in the U.S. or Puerto Rico, are encouraged to apply for these merit-based scholarships. Students must have an overall minimum 3.0 GPA and must be of Hispanic descent or demonstrate strong leadership or service within the Hispanic community.

Scholarship awards range from \$500 - \$10,000.

Scholarship recipients will be invited to attend the 29TH HENAAC Conference, from October 18 – 22, 2017, in Pasadena, CA. Great Minds in STEM subsidizes over \$850 in registration, travel and housing for the Scholars to attend this conference, where they will meet their sponsors, be awarded their scholarship and formally recognized as new members of the GMiS Scholars Society.

SAVE THE DATE!
HENAAC Conference
Pasadena, CA
October 18-22, 2017



[LEARN MORE](#)

Sign up to be a mentee:



[Scholarship FAQs](#)

HENAAC Scholarship Application Website:

<http://www.greatmindsinstem.org/college/scholarship-application-information>

Types of scholarships:

Corporate / Government Sponsored Scholarships – These scholarships are made possible thanks to our dedicated scholarship sponsors from corporate America, federal agencies and affinity groups.

Special Recognition Scholarships

- **Intel Scholarship** – These highly-competitive \$10,000 scholarships are awarded to qualified [graduate students pursuing a computer science, IT or related software development degree](#). Recipients may also have the opportunity to receive a Letter of Intent from Intel.
- **U.S. Navy STEM Scholarship** - These highly-competitive \$10,000 scholarships are awarded to qualified [graduating high school seniors](#), who have a minimum 3.0 GPA, and will be pursuing a STEM degree at a [Hispanic-Serving Institution \(HSI\)](#). During their first semester in college, these scholars have the opportunity to apply for the Student Employment Program, which provides them a summer internship and continued funding through their undergraduate career, so long as the student maintains a competitive GPA.

In Memoriam and Personal Scholarships - Great Minds in STEM awards some very special scholarships, which have been established in the loving memory of an endeared supporter of GMiS or have been established by long-time supporters and dear friends of GMiS. Scholarships begin at \$500.

Please visit the GMiS website to learn more about the various types of scholarship



[LEARN MORE](#)

Follow Us Here:



Opportunities

Intern Opportunity

Post Date: March 1, 2017

Closing: March 21, 2017

Start Date: April 17 desired

Title: Intern – Energy Careers Experience Program

Term: Through August 31, 2017, with possibility of term extension based on performance and organizational need.

To Apply:

Application Period: March 1-21, 2017

Applications will only be accepted during the application period stated above.

Interested individuals who meet minimum requirements should email a Cover Letter stating their interest in and qualifications for the position, as well as a resume outlining relevant work and/or academic experience to the Green Communities Project Manager, Jeremy Terhune, at jeremy.terhune@valleyvision.org.

Reply to: jeremy.terhune@valleyvision.org

Subject Line: Energy Careers Experience Program- (YOUR COUNTY)

- **Minimum Qualifications:**

- Valid driver's license
- Reliable transportation for frequent business-related travel
- Current vehicle insurance and vehicle registration
- Ability to work in the United States
- Academic background in Engineering or Business
- Strong communication skills
- Ability to dedicate at least sixteen (16) and up to thirty (28) hours per week to a paid position
- Adherence to all safety requirements

- **Desired Qualifications:**

- Strong interpersonal skills (e.g. ability to respond to challenging questions posed by utility customers)
- Commitment, length of service
- Responsible, driven, self-sufficient
- Professional demeanor
- Problem-solvers
- Resident of target outreach area
- Experience in Agricultural Industry and/or small business strongly preferred
- Knowledge of small business operations, farm operations, mechanics, and general understanding of electricity and natural gas industry strongly preferred

- **Physical Requirements:**

- Office (approximately 50%):
 - Sitting, standing, walking
 - Keyboard use
- Site Visits (approximately 50%):
 - Driving to and from site in the intern's personal vehicle
 - Exposure to the elements (e.g. temperature, humidity, wetness, dust, fumes)
 - Kneeling, squatting, bending
 - Walking on uneven ground

Opportunities

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*** (minimum GPA of 3.0 recommended for all students)*

The forum will offer workshops on

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- ♦ Successful Strategies for Acquiring Strong Letters of Recommendation

and subject specific workshops on

- | | |
|----------------------------|----------------------------------|
| ♦ Physical Sciences & Math | ♦ Engineering & Computer Science |
| ♦ Arts & Humanities | ♦ Education |
| ♦ Life Sciences | ♦ Behavioral Sciences |
| ♦ Social Sciences | ♦ Health & Human Services |

Plus! Graduate Recruitment Fair

Featuring **150+ recruiters** from across the nation

The Forum will provide **FREE LUNCH**

Register now — space is limited!

To participate in the Forum, please visit: caldiversityforum.org/register.

The registration code is: **bobcat2017**

UC Merced: Graduate Division

For more information: grad@ucmerced.edu

Engineering Humor

