

# School of Engineering Weekly E-Newsletter

Week of February 13, 2017

Vol. 7- Issue 9

## Announcements

**Advising and More!** More information on Page 2.

**Commencement Information.** More information on Page 6.

**Graduation Information.** More information on Page 7.

### **Important Dates:**

\*\* Mid-semester grades out—  
**March 14**

\*\* Deadline to withdraw with “W” —  
**April 4**

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



## Internships, Jobs, Fellowships, & Graduate School

[New: ASUCM Academic Affairs Fellowship and Undergraduate Research Symposium](#)

[New: REU @UCSD-Biomaterials for Tissue Engineering and Drug Delivery](#)

[New: Maryland Sea Grant Summer REU Program](#)

[Harvard-Amgen Scholars](#)

[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](#)

# 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 (lunch from 12-1pm)

Tuesday: 9:00am - 11:45am (lunch from 12-1pm)

Wednesday: 1:00pm - 4:00pm (lunch from 12-1pm)

Thursday: 1:00pm - 4:00pm (lunch from 12-1pm)

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

**Last Names A-E (all students)** – Nadia Margison  
([nmargison@ucmerced.edu](mailto:nmargison@ucmerced.edu))

**Last Names F-L (all students)** –

([cmayo@ucmerced.edu](mailto:cmayo@ucmerced.edu))

**Last Names M-Q (all students)** – Phung Colvin

([pcolvin@ucmerced.edu](mailto:pcolvin@ucmerced.edu))

**Last Names R-Z (all students)** – Karla Gonzalez  
([kgonzalez34@ucmerced.edu](mailto: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](mailto:rgoodman@ucmerced.edu).

# Spring 2017 Semester

## ANNOUNCEMENT!

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

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

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

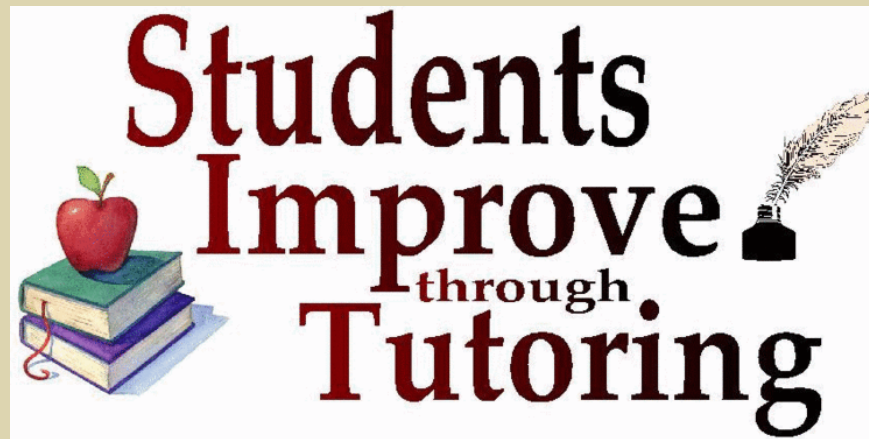


# Fall 2016 Semester

## Tutoring

It's never too early to start thinking about getting ahead!

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



# Fall 2015 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,

Then please keep an eye out for emails 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?



# 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](mailto: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](mailto:commencement@ucmerced.edu).

# Workshops, Events & Sessions

## Engineering Service Learning Workshops

Sign-up for any of the following events at:

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

### Excel: Advanced

Food will be provided to registered attendees of this workshop.

This workshop will cover advanced functions and basic data analytics using the Microsoft Excel spreadsheet software.

If you have any questions, please contact us at [esl@ucmerced.edu](mailto:esl@ucmerced.edu)

Monday, February 13, 2017

4:30 pm—6:00 pm

KL 208

<http://engineeringservicelearning.ucmerced.edu/events/excel-advanced>



### Introduction to Electronic Circuits!

Food will be provided.

The workshop will introduce basic circuit elements such as resistors and LEDs and allow participants to build circuits alongside the instructor. At the end of the workshop, participants can observe advanced possibilities of circuit applications from the instructor and ask questions about possible projects

If you have any questions, please contact us at [esl@ucmerced.edu](mailto:esl@ucmerced.edu).

February 15, 2017

2:00 pm—3:30 pm

S&E 160

<http://engineeringservicelearning.ucmerced.edu/events/introduction-circuits-4>

# Workshops, Events & Sessions

## Engineering Service Learning Workshops

Sign-up for any of the following events at:

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

### Learn to Solder

Food will be provided.

By the end of this skill session, students will have a working understanding with basic soldering skills.

If you have any questions, please contact us at [esl@ucmerced.edu](mailto:esl@ucmerced.edu)

Friday, February 17, 2017

2:00 pm—3:30 pm

S&E 160

<http://engineeringervicelearning.ucmerced.edu/events/introduction-soldering>

### Front-End Web Development: Introduction

Food will be provided.

This workshop will be going over Web Development Basics, such as finding domain/name services, going over the CPanel Environment, and setting up Brackets for local web development. It will also go over the introduction of HTML and CSS syntax as Markup Languages, and show how to do PDF-to-HTML conversions.

If you have any questions, please contact us at [esl@ucmerced.edu](mailto:esl@ucmerced.edu).

Thursday, February 23, 2017

11:00 am—12:30 pm

S&E 160

<http://engineeringervicelearning.ucmerced.edu/events/front-end-web-development-introduction>



# Workshops, Events & Sessions

## Engineering Service Learning Workshops

Sign-up for any of the following events at:

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

### GIS: ArcGIS Online and Pro

Food will be provided.

This workshop will expose students to the essentials of Geographic Information Systems (GIS). GIS are designed to capture, store, manipulate, analyze, manage, and present all types of spatial or geographical data.

If you have any questions, please contact us at [esl@ucmerced.edu](mailto:esl@ucmerced.edu)

Friday, February 24, 2017

10:00 am—2:00 pm

SSM 209

<http://engineeringervicelearning.ucmerced.edu/events/gis-arcgis-online-and-pro>



# Workshops, Events & Sessions

## CITRIS Workshops

Sign-up for any of the following events at:

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

### MAC Workshop #2: UI/UX

February 16, 2017

5:30 pm

COB 2 140

### MAC Workshop #3: Android Development

February 28, 2017

5:30 pm

COB 2 140

### MAC Workshop #3B: IOS Development

March 2, 2017

5:30 pm

COB 2 140

# Workshops

## Resume and Cover Letter Workshop

**February 8**

**SSB 230  
3 PM - 4 PM**

**March 7**

**SSB 250  
10 AM - 11 AM**

**April 5**

**SSB 230  
3 PM - 4 PM**

Learn how to attract an employer's attention  
with a targeted resume and cover letter.

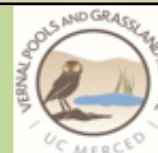
**UCMERCED**  
Center for Career &  
Professional Advancement

**@hireucmerced**



# 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](mailto:mkolster@ucmerced.edu)**

# Internship

## Properties in Integrated Cellular Systems (EBICS)

**Calling all BIO, BIOE, MSE, or ME students!**

The NSF-funded research center on Emergent Properties in Integrated Cellular Systems (EBICS) is offering REU summer internships. The application deadline is Feb 17th (including 2 reference letters). And because I, Dr. McCloskey, participate in this research center, UC Merced students are given priority for acceptance into the REU program. You must designate a preferred campus, but I suggest selecting at least 1 faculty at each of the 3 campuses (this increases your chances of getting accepted). This program offers:

- 10 weeks of hands-on research at MIT, UIUC, or GT.
- \$4500 stipend per student.
- Free housing & allowances for meals and travel
- Grad school prep, faculty mentoring, professional development and social engagement with other students on campus.
- All-expenses-paid to attend 2017 EBICS Annual Retreat in Georgia to learn about Center research, to showcase your own research, and to network with REUs across GT, UIUC, and MIT, as well as students and faculty across all 11 EBICS institutions

Poster and oral presentation at the end of the summer

Apply here:

<http://ebics.net/diversity-outreach/about-reu-program>

# Forum

## 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**. The registration deadline is scheduled for March 24, 2017 or once Forum reaches capacity, whichever comes first. After submitting the online registration, the students 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](http://caldiversityforum.org/register).

The registration code is: **bobcat2017**

UC Merced: Graduate Division

For more information: [grad@ucmerced.edu](mailto:grad@ucmerced.edu)

# Opportunities

## Maryland Sea Grant Summer REU Program

We bring upper-level undergraduate students to the Chesapeake Bay to conduct individual research projects with a scientist-mentor at the University of Maryland Center for Environmental Science. We select undergrads in many disciplines, including engineering, biology, chemistry, physics, mathematics, ecology and marine and environmental science.

In particular, we encourage students from colleges and universities where access to marine science and to research opportunities is limited and who are from groups traditionally underrepresented in science, technology, engineering and math. We believe bringing together students from many disciplines, backgrounds and parts of the country makes for a more interesting and educational summer experience.

We are accepting applications through February 15. Please visit our website to find out more ([www.mdsg.umd.edu/reu](http://www.mdsg.umd.edu/reu)) or drop me a note at [reu@mdsg.umd.edu](mailto:reu@mdsg.umd.edu).

### DETAILS:

- **Where?** Chesapeake Biological Lab and Horn Point Lab, the University of Maryland Center for Environmental Science
- Program Flyer download <http://bit.ly/MDSGREU17>
- **12-week program: May 21 to August 13, 2017.**
- **\$6,000 stipend** plus housing and travel support to and from host institution
- **Applications due:** February 15, 2017
- Application and guidance <http://www2.mdsg.umd.edu/reu/apply/index.php>

### RESEARCH EXPERIENCES FOR UNDERGRADUATES Maryland Sea Grant • Summer 2017



[www.mdsg.umd.edu/reu](http://www.mdsg.umd.edu/reu)

# Opportunities

## *Research Experience for Undergraduates* **Biomaterials for Tissue Engineering and Drug Delivery** UC San Diego – Summer 2017

### *Program Highlights:*

- \$500 per week stipend and on-campus housing
- Presentations at at UC San Diego Research Symposium and BMES National Meeting
- GRE prep classes

### *Eligibility:*

- Full-time undergrad student and 18+ years old
- U.S. citizen or permanent resident
- Women, underrepresented minorities, and military veterans are encouraged to apply

### *Important Dates:*

- Application Deadline: February 15<sup>th</sup>
- Notification Date: March 15<sup>th</sup>
- Program Dates: June 24<sup>th</sup> - August 19<sup>th</sup>

### *For more information and application:*

<http://www.reumanager.com/biomaterials/>



**UC San Diego**  
Bioengineering

# Opportunities

## *The* DREAM CAREER ACADEMY

The Dream Career Academy has been designed to empower undocumented students through a six-week, small group, interactive career seminar managed by the Center for Career and Professional Advancement.

The program will meet every Friday for six (6) weeks

**FEBRUARY 17, 2017 - MARCH 24, 2017**  
**11 AM - 12:30 PM | SSB 250**

The program is restricted to 15 students per session in order to optimize interaction by all seminar members

**DEADLINE TO APPLY : WEDNESDAY, FEBRUARY 1, 2017**

CONTACT: MYRA FERNANDEZ  
MFERNANDEZ29@UCMERCED.EDU

**UCMERCED**  
Center for Career &  
Professional Advancement

hire.ucmerced.edu  
careercenter@ucmerced.edu  
SSB 230



# Opportunities

## **ASUCM Academic Affairs** **Fellowships and Undergraduate** **Research Symposium**

Interested in completing your own research project? The Associated Students of UC Merced (ASUCM) would like to assist in funding your research interests! Apply today to the ASUCM Academic Affairs Fellowships and Undergraduate Research Symposium (FURS) and receive up to \$1,000 in research grant funds. For more information and to apply visit [asucm.ucmerced.edu/furs](http://asucm.ucmerced.edu/furs) or attend the following Applicant Information Sessions:

### **Applicant Information Sessions:**

February 16th, 2017: 1:30pm – 3pm, Bobcat Lair

The deadline for applications is February 17th, 2017 by 11:59pm.

Please contact Andre Frise, Director of Academic Affairs, with any questions or to schedule a separate meeting Applicant Information Session: [afrise@ucmerced.edu](mailto:afrise@ucmerced.edu)

A poster for the ASUCM Academic Affairs Fellowships and Undergraduate Research Symposium (FURS) Application. The background features a large, stylized sculpture of two interlocking rings, resembling a figure-eight or infinity symbol, set against a blue sky. In the background, a large, modern building with many windows is visible. The ASUCM logo, featuring a bobcat head inside a circular seal with the text 'Associated Students of the University of California Merced', is centered over the sculpture. The text 'Fellowships and Undergraduate Research Symposium (FURS) Application' is written in a large, white, sans-serif font at the top. At the bottom, there is a yellow banner with black text.

Fellowships and Undergraduate Research Symposium (FURS) Application

ASUCM  
Associated Students of the University of California Merced

Apply today to receive up to \$1,000 in research grant funds to pursue your research interests!

Guidelines to apply at [asucm.ucmerced.edu/furs](http://asucm.ucmerced.edu/furs)

Deadline to apply is February 17, 2017

Please contact Andre Frise, ASUCM Director of Academic Affairs, with any questions: [afrise@ucmerced.edu](mailto:afrise@ucmerced.edu)

# Engineering Humor

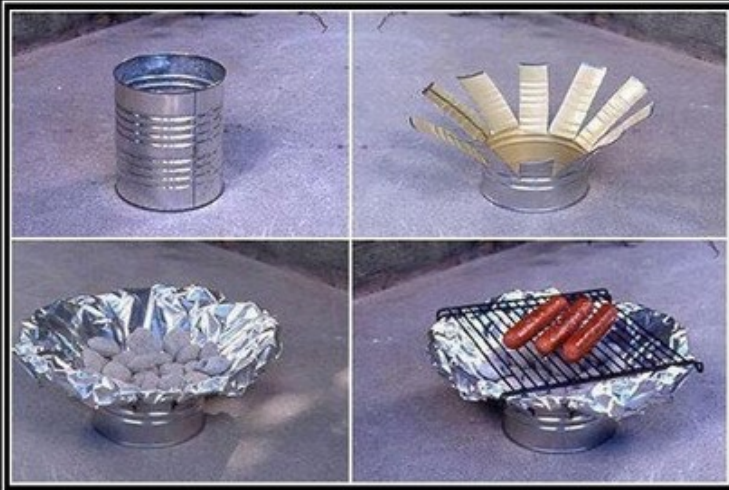
## ENGINEERING FACT

LONG TIME AGO, PEOPLE WHO  
SACRIFICED THEIR SLEEP, FAMILY,  
FOOD, LAUGHTER AND OTHER JOYS  
OF LIFE WERE CALLED

**SAINTS**

NOW, THEY ARE CALLED

**ENGINEERS**



## ENGINEERING

For those times when you go camping and pack tin snips,  
an empty tin can, tin foil and some random cooking grid  
instead of a stove.

