

School of Engineering Weekly E-Newsletter

Week of April 10, 2017

Vol. 7- Issue 13

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:

**** 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 Sci-
ence 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.

Spring 2017 Semester

ANNOUNCEMENT!

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

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

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

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

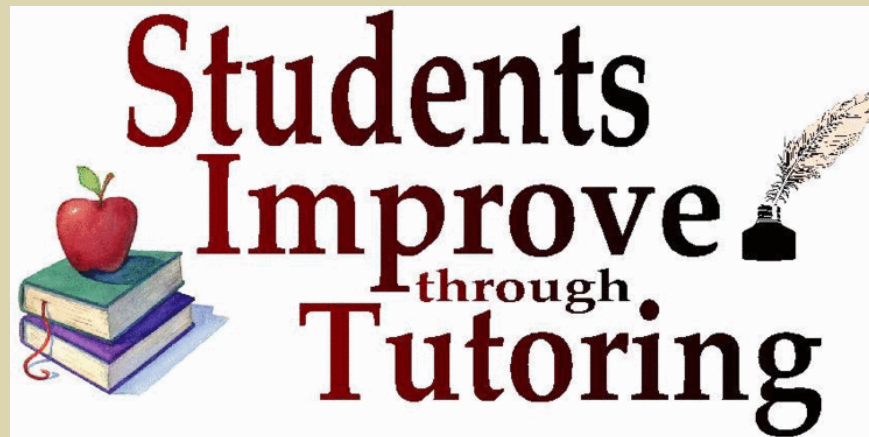


Spring 2017 Semester

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 see your advisor 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**

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:

Learn CAD (Computer Aided Design): Foundation

Food will be provided.

By the end of the workshop students will have a basic understanding of auto dimension, patterns, sweeps, resolves and plane offsets. 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 11, 2017

11:00 am—12:00 pm

SSM 154

<http://engineeringervicelearning.ucmerced.edu/events/computer-aided-design-foundation-o>

Arduino Prototyping: Weather Station Build

Food will be provided for registered guests.

Using the basics learned from the first workshop, students will use their knowledge to build a weatherstation using provided sensors and skills learned. This workshop will cover basic coding, installation, electronics, and circuitry. Knowledge from the previous foundation workshop is recommended.

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

Tuesday, April 11 & 18, 2017

5:00 pm—7:00 pm

S&E 160

<http://engineeringervicelearning.ucmerced.edu/events/arduino-build-weather-station>

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 to registered attendees of this workshop.

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

Wednesday, April 12, 2017

2:00 pm —3:30 pm

S&E 160

<http://engineeringervicelearning.ucmerced.edu/events/learn-solder>

Graphic Design: Put it together with InDesign

Food will be provided to registered attendees of this workshop.

In this workshop series, attendees will learn the fundamentals of creating a flier using the Adobe Software Suite. This second session will cover basic layout tools provided by the Adobe InDesign software.

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

Thursday, April 13, 2017

6:00 pm —8:00 pm

KL 208

<http://engineeringervicelearning.ucmerced.edu/events/graphic-design-put-it-together-indesign>

Workshops, Events & Sessions

Engineering Service Learning Workshops

Sign-up for any of the following events at:

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

Python for Engineering with Topcon

In this second of three sessions, students will develop a program using python that will take in data and plot it. This will be used to determine whether a noise dampener is in fact dampening a noisy signal that is being passed into it.

If you'd like to participate, you are required to register for all three 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 14, 2017

11:00 am — 1:00 pm

S&E 160

<http://engineeringervicelearning.ucmerced.edu/events/python-engineering-topcon>

BasketBall Analysis using SQL: Level 2

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.

If you have any questions, please contact us at

esl@ucmerced.edu

Friday, April 14, 2017

5:00 pm — 6:30 pm

SE1 100

<http://engineeringervicelearning.ucmerced.edu/events/sql-basketball-analysis-level-2>

Workshops, Events & Sessions

Engineering Service Learning Workshops

Sign-up for any of the following events at:

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

Improving your presentations with R!

Food will be provided at this event.

In this workshop, Derek Sollberger will be going over how to use R to help portray messages to your audience. R programming environment commonly used in statistics and mathematics, but can be easily learned and used to your benefit in any field of work.

esl@ucmerced.edu

Monday, April 17, 2017

6:30 pm — 7:30 pm

COB1 281

[http://engineeringervicelearning.ucmerced.edu/
events/improving-your-presentations-r](http://engineeringervicelearning.ucmerced.edu/events/improving-your-presentations-r)

Learn CAD (Computer Aided Design): Creating a Part

Food will be provided to registered attendees of this workshop.

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. By the end of the workshop students will have a basic understanding of auto dimension, patterns, sweeps, resolves and plane offsets.

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

Tuesday, April 18, 2017

11:00 am — 12:00 pm

SSM 154

Workshops, Events & Sessions

Engineering Service Learning Workshops

[http://
engineering-service-](http://engineering-service-learning.ucmerced.edu)

Sign-up for any of the following events at:

<http://engineering-service-learning.ucmerced.edu/events>

Python Junkyard Wars Competition with Topcon

In this final sessions students will build a physical noise dampener using provided materials. Students will then connect their noise dampeners to a computer running the python code that they developed in previous sessions. This program they created will determine how well each student's dampener works.

If you'd like to participate, you are required to register for all three 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 21, 2017

11:00 am — 1:00 pm

S&E 160

learning.ucmerced.edu/events/python-junkyard-wars-competition-topcon

BasketBall Analysis using SQL: Level 3

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.

If you have any questions, please contact us at

Workshops, Events & Sessions

CITRIS Workshops

Sign-up for any of the following events at:

<http://citrис.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	

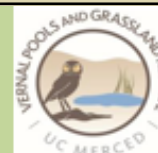
The application deadline is 5:00 pm on Thursday, April 13th. See the application materials for full eligibility requirements and instructions.

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**

Opportunities

Opportunities

Opportunities

SEMICON[®]WEST **SMART STARTS HERE**



Smart Starts Here: SEMICON West 2017 — Registration Now Open!

Everything you need to know about an industry in transition:

- **Smart Automotive, Smart Manufacturing, Smart MedTech & World of IoT** — Four new vertical application programs show you where the industry is headed.
- **New & Old Favorites** — Advanced technical sessions, plus Gartner and SEMI's ever-popular Bulls & Bears Symposium keep you updated on both technology and business issues.
- **Education** — New training and IEEE and SAE partnerships help you learn all about today's evolving technologies.
- **An Expo Like Never Before** — Expanded networking events and immersive experiences like the exciting, VR-driven SMART Journey bring new levels of education and entertainment, and amp up engagement on the Expo floor.
- **New Perks & Packages** — Select just what you want, from *All-In*, *Thought Leadership*, and *Expo-only* packages, to training and networking events à la carte.

Registration is now open. Register now and save!

[Register here!](#)

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](#)

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:



HENAAC Scholarship Application Website:

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

Opportunities

Flash Talks 2017

Lots of Food and Refreshments!

Tuesday, April 11, 2017

1:00 – 5:00 PM

California Room

1:00 – 2:00 PM: Network with Company Representatives and Judges

2:00 – 3:40 PM: Flash Talks Presentations

3:40 – 5:00 PM: Award Ceremony and Networking with Company Representatives and Judges

Meet with employers and hear the exciting activities that your fellow students are engaged in during the fast-paced Flash Talks competition!

For more information, email:

rgoodman@ucmerced.edu

UCMERCED
Center for Career &
Professional Advancement

Follow @hireucmeced.edu



Opportunities



Turlock Irrigation District Seasonal Internship (PAID)

Station Engineering Department **Electrical Engineering** Internship

This opportunity will expose the student intern to the electrical/mechanical/construction aspects of high voltage substations in an interconnected system. Intern must be pursuing an Electrical Engineering degree with a concentration in Power; major GPA of 3.0 or better.

Summer of 2017

Up to 40 hours per week, for up to 6 months, Monday through Friday, 7:00 am to 4:00 pm; or as assigned.

Primary Purpose

The intern will work with Station Engineering staff to review, evaluate and organize documentation (e.g. electrical schematics, outline drawings, operation manuals) that provide project details for each District substation. This will require site visits to District substations to verify records are consistent with the equipment in the field. Additionally, the intern will be on-site during various phases of construction of a new substation and will gain exposure to the electrical/mechanical/construction aspects of high voltage substations in an interconnected system.

Intern will be expected to complete a substation entry training program and become CPR qualified.

District is looking for an intern/candidate that has completed at least two years of coursework to include one semester of Power Engineering. The intern candidate should have some familiarity with reading electrical schematics; exposure to ANSI devices is a plus. Must be proficient with Microsoft Word & Excel and competent in using PDF software.

Essential Responsibilities and Expectations

Good sense of organization and structure in order to launch the framework of a document management system. Attention to detail is a must; person will be discovering and resolving discrepancies.

Requirements

- Full time student in good standing actively pursuing a degree in Electrical Engineering with a concentration in Power
- Ability to demonstrate professional verbal, written and interpersonal communication skills
- Excellent computer skills especially in Excel, Word and PDF
- Ability to manage multiple tasks
- Pass pre-employment drug screening, physical screening, and criminal background check

Interested applicants, please contact Adam Bolanos at abbolanos@tid.org or at (209) 883-8620 to submit your resume & cover letter.

Candidate resumes and/or applications review will begin on or before May 1st, 2017.

Opportunities

California Ecology and Conservation

IMAGE: CHRISTOPHER WOODCOCK

open to undergraduates from across the UC system

information for UC Merced students

COURSES

NRS BIOL/ENVS 188 California Ecology and Conservation

NRS BIOL/ENVS 189 Critical Conservation Issues in California

Fall and spring students enroll in both courses for a total of 15 units.

Summer students enroll only in NRS BIOL/ENVS 188 for a total of 12.7 units.

CREDIT ALLOCATIONS

Biological Sciences Major

BIO 133/ESS 133 Flora of California (5 units)

* BIO 148/ESS 148 Ecology (4 units)

** not earned by summer students*

BIO 149 and BIO 149F Conservation Biology (5 units)

Upper division BIO elective (1 unit/2.7 units in summer)

Earth Systems Sciences Major

ESS 133/BIO 133 Flora of California (5 units)

* ESS 180 Field Methods in Earth Systems (4 units)

ESS 149/BIO 149F Conservation Biology (4 units)

Upper division Earth Systems Science elective (2 units/3.7 units in summer)

DATES

	Spring 2017	Summer 2017	Fall 2017
Applications open	08-15-16	11-01-16	02-01-17
Applications due	10-24-16	02-03-17	04.20.17
Instruction begins	04-03-17	06-26-17	09.28.17
Instruction ends	05-22-17	08-14-17	11.16.17

Spend 7 weeks at UC Natural Reserves
Earn 19 quarter/15 semester units

Intensive instruction in:
hypothesis development • statistics
experimental design • public speaking
• scientific writing and publication

Apply at www.ucnrs.org

Opportunities



If you want to **lead today's tech world**, enroll in the UCLA Technology Leadership Summer Institute that puts you at the center of L.A.'s tech scene.

As part of the world's next generation of leaders, you understand that tech will drive many of the changes we see in the coming years. If you are interested in becoming a tech leader and influence these changes, you will first need to gain a strong technical proficiency and learn best practices.

The [Easton Technology Management Center](#) offers a unique, six-week Summer Institute so you can explore tech leadership by focusing on innovation, product development, data management, data analytics, and leadership through communications. It is led by [UCLA Anderson](#), a top-ranked business school and valued resource to the tech industry.

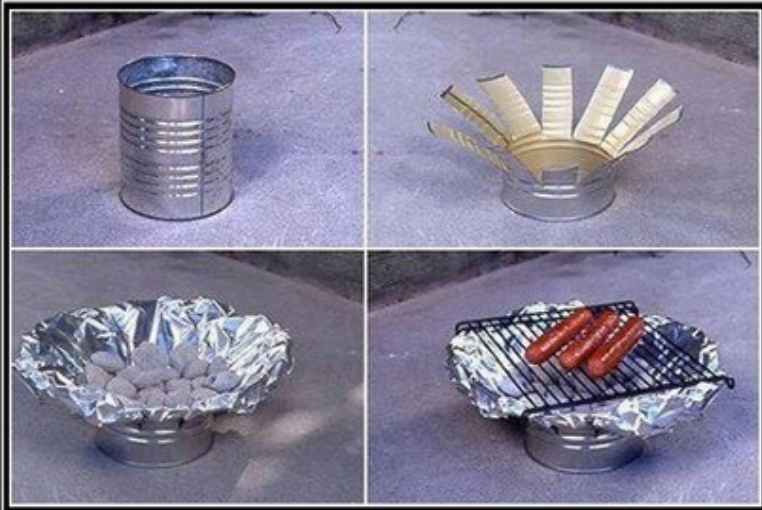
[Easton Technology Management Center](#) at the [UCLA Anderson School of Management](#).
[Technology Leadership Summer Institute](#)

Get a jump on your career and attain a highly regarded qualification

June 26 - August 4, 2017

[ENROLL NOW](#)

Engineering Humor



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.

LOLBARRY.com/post/40543/



Engineering
it works, bitches