February 16, 2018

Contents

Career Preparation

• FE Exam Review Sessions
• Engineering Expo – February 20 & 22
• From The Center for Spartan Engineering - It’s here! National Engineers Week (Feb 18 - 25)
• Summer Co-Ops / Internships advice from the Center for Spartan Engineering – Another Resume Book Opportunity!
• The College of Natural Science proudly hosts 9th Annual Michigan Medical Schools Night Wednesday, February 21, 2018 6:30 – 9:00 pm

Scholarships

• College of Engineering - Undergraduate Scholarships - applications due February 28
• ASABE and ASABE Foundation Scholarship - applications due March 15
• MSU Student Affairs and Services Scholarships – applications due March 14

Opportunities on Handshake

DePuy Synthes (Johnson & Johnson)
DePuy Synthes (Johnson & Johnson)
Smithfield
Smithfield
Bimbo Bakeries USA
Bimbo Bakeries USA

Full Time

• Environmental Compliance Expert – Granger Waste Services – Lansing, MI

Internship

• MSU Extension Internship with Dr. Ghane, BAE Assistant Professor
• Disney College Program accepting applications for Fall 2018
• Walt Disney World Agricultural Sciences Professional Internship Opportunities

Local Jobs and Internships (418 opportunities)

Summer Opportunities

• W. K. Kellogg Biological Station Summer Programs and Courses

Research

• University Undergraduate Research and Arts Forum Registration Deadline February 18
• CANR Undergraduate Research Funding Applications Due March 9
• Research & UURAF Preparations
• REU – Materials for Sustainability in Energy and Manufacturing – University of Houston
Career Preparation
These events and opportunities are your gateways to internships, professional networking and full-time employment – you have to attend – no excuses. Please participate!

FE Exam Review Sessions
BE is offering the following FE Exam review sessions for anyone preparing to take the FE Exam this spring. All session will be recorded and available for a live audience.

Electric Circuits – Dr. Surbrook – Wednesday, February 21, 4:30 pm, 102 Farrall Hall
Statistics and Probability – Dr. Mitchell – Thursday, February 22, 4:00 pm, 102 Farrall Hall
Thermodynamics – Dr. Saffron – Wednesday, February 28, 4:30 pm, 102 Farrall Hall
Economics – Dr. Marks – Thursday, March 1, 4:30 pm, 102 Farrall Hall

Engineering Expo – February 20 & 22
The Engineering Expo is meant to be an interactive, information sharing event. A chance for our students to gain knowledge of companies, interact with alumni, network with professional engineers, and get the “insider” information.

Engineering Expo 2018:
Day 1 Career Fair (Tuesday, February 20, 3-6pm) IT, Computing, Consulting, Civil, Environmental & Construction
Day 2 Career Fair (Thursday, February 22, 3-6pm) Automotive, Energy, Biomedical, Manufacturing, Electrical, High Tech, Supply Chain, Technical Sales & Packaging

Where: Inside the College of Engineering (200 & 300 hallway - 1st, 2nd and 3rd floors)

Who's attending: Check out the list of registered companies at https://msu.joinhandshake.com/career_fairs/3475/employers_list !

From The Center for Spartan Engineering - It’s here! National Engineers Week (Feb 18 - 25)
National Engineers Week is almost here. Again this year the College of Engineering will be celebrating with all kinds of activities - from Fun to Professional. A complete list of activities is attached!
Three Activities to note:

Sunday, Feb. 18, Noon - 4 pm: Spartan Engineering Day at Impression 5 Museum. Again this year our engineering student organizations will be hosting demonstrations at the Impression 5 Children's Museum in downtown Lansing. Multiple engineering student organizations will be hosting tables created to excite and intrigue. Head downtown and check it out!

Wednesday, Feb. 21, 5:30 - 8 pm: Networking with Executives Dinner. REGISTRATION IS REQUIRED
As you may be aware we are really mixing up the Traditional SWE Banquet this year. Now known as Networking with Executives, we have invited over 25 high ranking executives from our corporate partners and other active companies to Network with our Engineering students.
This event will consist of a one hour networking event (with heavy appetizers), where students can rotate from table to table to interact with the executives. Then we will have a short awards ceremony recognizing the WIE, DPO, and Center Scholarship winners, the High Achieving Students, and the College Service Award winners. Following the awards ceremony we will have a moderated question and answer session with the Executives, taking questions from the students.

**Sunday, Feb. 25, 8a - 5 pm: Vex Robotics Tournament**

Nearly 500 students will compete in the 2018 VEX Robotics State Championships to be held in Jenison Field House. The excitement is intoxicating, it's like nothing you've ever experienced before.

*As usual we will be serving Pizza on Monday (Noon) in the Lobby,* hosting our Hot Wheels Race on Monday evening (in 1345 EB) and our annual Engineering Expo (NOW 2 DAYS) in the hallways of the EB (all 3 floors), on both Tuesday (2/20) and Thursday (2/22) from 3 - 6 pm each day!

**Summer Co-Ops / Internships advice from the Center for Spartan Engineering – Another Resume Book Opportunity!**

If you are still seeking a summer internships, continue to apply like crazy on Handshake (msu.joinhandshake.com), Engineer Jobs (www.engineerjobs.com), and LinkedIn (www.linkedin.com), as postings are going to explode in January and continue to pop up throughout the spring career fair season. I will be sending out resume books to companies across the country over the next three months, so if you'd like some added visibility, please apply to this resume book with and updated version of your resume. Once you receive an offer (or if you already have), please withdraw your resume from this posting on Handshake.

https://msu.joinhandshake.com/jobs/1041755/

Kyle Liechty | Co-op / Intern Coordinator

**The College of Natural Science proudly hosts 9th Annual Michigan Medical Schools Night Wednesday, February 21, 2018 6:30 – 9:00 pm**

Program for Sophomores through Seniors
Natural Science Building

ALL seven Michigan Medical Schools will present key information about their programs and admission criteria as well as offer tips/strategies on how to be a successful applicant.

Students will have the opportunity to rotate through four presentations and ALL schools will have 30 minute presentations at the following times: 6:30 pm, 7:05 pm, 7:40 pm, and 8:15 pm.

Students are not required to attend all sessions

Please preregister at:
https://natsci.msu.edu/students/mi-medical-schools-night

This session will be repeated every year. Since we do not have the space to accommodate all MSU premedical students, freshmen are asked to please attend at a later year.
Scholarships

College of Engineering - Undergraduate Scholarships - applications due February 28
https://www.egr.msu.edu/undergraduate/resources/scholarships

Scholarship Guidelines
The following guidelines govern the scholarship selection process:

1. Academic excellence is the primary criterion, but financial need is considered for some awards. Other awards are based on extracurricular activities, community service, co-op and other work experience, membership in professional and honor societies, career interests, and other relevant information. The one-page resume that you attach to your application should reflect these accomplishments.

2. Applicants must be full-time students, taking a minimum of 12 credits during the semester(s) in which the scholarship will be awarded.

3. A minimum cumulative grade-point average of 3.00 based on credits at MSU (including Fall Semester) is required.

4. New students must have completed a minimum of 12 credits at MSU at the end of Fall Semester.

5. Scholarships will not be awarded for internship or co-op semesters.

The MSU College of Engineering offers more than 300 scholarships to undergraduate students each year totaling approximately $600,000; the individual annual scholarship amounts range from $100 to $13,000.

Incoming first-year students and current engineering students have separate selection processes.

The following faculty members represent their departments on the Undergraduate Awards and Financial Aid Committee. This committee meets at the end of the spring semester to determine scholarship awards and allocate funds for the upcoming academic year. Students will be notified of the outcome of the status of their applications by July.

Dr. Daina Briedis - Chairperson
Dr. Laura Genik - Applied Engineering Sciences
Dr. Dawn Reinhold - Biosystems & Agricultural Engineering
Dr. Pat Walton - Chemical Engineering & Materials Science
Dr. Mehrnaz Ghamami - Civil & Environmental Engineering
Dr. Richard Enbody - Computer Science & Engineering
Dr. Virginia Ayers - Electrical & Computer Engineering
Dr. Geoff Recktenwald - Mechanical Engineering

ASABE and ASABE Foundation Scholarship - applications due March 15
SABE Foundation Engineering Scholarship - $1,200 given annually

William J. Adams, Jr. and Marijane E. Adams Scholarship - $1,200 given annually

MSU Student Affairs and Services Scholarships – applications due March 14
Please share these exciting scholarship opportunities! See flyer attached!
MSU Student Affairs and Services has more than 20 scholarships available for undergraduate and graduate students. The deadline for most of these scholarships is March 14. For more information and to apply, visit the MSU Student Affairs and Services scholarship page: http://studentaffairs.msu.edu/scholarships/

If you have any questions, please contact Allison Tilma at tilmaall@msu.edu

**Opportunities on Handshake**

**DePuy Synthes (Johnson & Johnson)**

**Job:** Senior Quality Engineer - New Product Development  
**Employer:** DePuy Synthes (Johnson & Johnson)  
**Apply before:** Friday, February 16th 2018 11:55 pm EST

**DePuy Synthes (Johnson & Johnson)**

**Job:** Quality Engineer II  
**Employer:** DePuy Synthes (Johnson & Johnson)  
**Apply before:** Friday, February 16th 2018 11:55 pm EST

**Smithfield**

**Job:** Engineering Intern - Summer 2018  
**Employer:** Smithfield  
**Apply before:** Sunday, March 11th 2018 11:59 pm EDT

**Smithfield**

**Job:** Operations Intern - Summer 2018  
**Employer:** Smithfield  
**Apply before:** Sunday, March 11th 2018 11:59 pm EDT

**Bimbo Bakeries USA**

**Job:** Production Supervisor  
**Employer:** Bimbo Bakeries USA  
**Apply before:** Tuesday, May 1st 2018 1:00 am EDT

**Bimbo Bakeries USA**

**Job:** Manufacturing Transformation Co-op  
**Employer:** Bimbo Bakeries USA

5
Apply before: Tuesday, May 1st 2018 11:00 am EDT

Full Time

Environmental Compliance Expert – Granger Waste Services – Lansing, MI
Dr. Marks,

Below is a link to a position opening here at Granger. We also posted to the MSU “Handshake” board but I thought I would also contact the Department directly.


Thanks.

Tim
Tim Krause, P.E.
Director of Engineering
Granger Waste Services
D 517-372-8342
C 517-706-1082
www.grangernet.com

Internship

MSU Extension Internship with Dr. Ghane, BAE Assistant Professor
Apply on Handshake #1271935 MSU Extension Summer 2018 Internship MSU Campus - Evaluating drainage water management in the River Raisin Watershed

https://msu.joinhandshake.com/jobs/1271935

About this Job Description

This internship program will be part of the project entitled “Evaluating drainage water management in the River Raisin Watershed.” Goals for this internship program are:

1- Gain research experience on evaluating the water quality benefits of drainage conservation practices in Lenawee County within the Western Lake Erie Basin watershed. Intern will help collect water samples, download flow rate data, analyze water samples using the Gallery Discrete Photometric Analyzer, process water quality and quantity data, collect soil samples, and write a report in a poster format. The student will become familiar with two drainage conservation practices of controlled drainage and saturated buffer. The student will learn the basics of how to monitor a subsurface drainage system including the use of a flow rate measurement sensor and water sampling equipment, and analyze nutrients in the lab using the Gallery Analyzer. He/she will gain an understanding of water-soluble nutrients such as nitrate and different forms of phosphorus. Overall, the student will gain experience in evaluating the water quality impact of a drainage system in an agricultural landscape.

2- Learn about MSU Extension education and outreach efforts. The student will travel with Dr. Ghane to MSU Extension workshops and field days, and he/she will assist with the preparation of educational content. The student will visit and work with Shelby Burlew, MSU Extension Livestock Environmental Educator based in Hillsdale County, on a weekly basis and/or as necessary to learn about programming efforts focusing on mitigating environmental impacts on livestock farms (manure management, etc.), and learn about the daily tasks performed at the MSU Extension office. He/she will also help develop and deliver education and outreach resources (i.e. MSU Extension News Articles, assist in planning a Field
Day, farm visits, network with agency and industry partners). Overall, the student will have the opportunity to become familiar with MSU Extension education and outreach while meeting educators and producers.

$12.50/hr, 40 hr/wk, 12 wk.

Contact Dr. Ghane with questions at ghane@msu.edu or stop by 220 Farrall Hall.

**Disney College Program accepting applications for Fall 2018**

Exciting news – Our Disney College Program application is officially open. Students can apply now on www.DisneyCollegeProgram.com to be considered for our fall programs at the Walt Disney World Resort and Disneyland Resort.

Many of our Professional and Management Internships are now available on www.DisneyInterns.com. Others will be posted over the next few weeks. Note: Students are encouraged not to delay in applying as posting deadlines do vary.

Apply today! Our official close date for the Disney College Program application is tentatively scheduled for March 23, 2018, BUT it may close early!

**Walt Disney World Agricultural Sciences Professional Internship Opportunities**

Dear Educational Partner:

Hello from Walt Disney World in Orlando! The Agricultural Sciences team is looking for undergraduate college students and recent graduates who have received their Bachelor’s degree within 6 months of our internships’ start dates to participate in our fun and challenging six-month hands-on internship in several different agricultural and science education fields including Plant Science, Entomology, Biotechnology, and Aquaculture. Feel free to forward this email along to students and career centers at your university.

If you are receiving this email and do not wish to be on our email list in the future, please respond with your request, and we’ll be happy to do so. If you know of any other contacts that you would suggest in your stead, we would appreciate the recommendation!

We’d like to ask for your assistance in advertising this internship opportunity to students at your university by forwarding this email to students and faculty. We are currently looking for students to fill internships for the Fall 2018 term (June 2018 – January 2019). The deadline to apply will be in mid-February, but please encourage students to apply as soon as possible to get the process started.

Desired majors include but are not limited to: Ag. Communication, Ag. Education, Agribusiness, Agriculture, Agronomy, Aquaculture, Aquatic Biology, Biology, Biotechnology, Botany, Crop Science, Biological and Biosystems/Agricultural Engineering, Entomology, Environmental Horticulture, Fisheries, Food Science, Horticulture, Landscape Design, Marine Biology, Microbiology, Molecular Biology, Ornamental Horticulture, and Plant Science.

Attached, interested applicants will find information on our internship program as well as how to apply.

Interested students should apply online and should attach their cover letter, resume and school transcript to their application. Selected students will be interviewed via phone to further discuss the internship.

Please refer interested students to http://www.disneyinterns.com/science. At the bottom of the page, they can click “Search Jobs” then do a keyword search for “Agricultural Sciences” to view internship postings about the Plant Science, Entomology, Biotechnology, and Aquaculture internship positions along with
many other science related internship openings. If students have any questions with accessing the site, please have them email us directly at WDW.EPCOT.Science.Internship@disney.com.

Thank you for your assistance in helping us share the news about this exciting internship opportunity with your students, and don’t hesitate to contact us with any questions.

Sincerely,

Les Frey
Horticulturalist, Student Program Manager
(407) 560-4547

Laura Kleiss
Horticulturist, Student Program Manager
(407) 560-2433

Samantha Honors
Agricultural Sciences Coordinator
(407) 560-7186

Agricultural Sciences at Epcot
Walt Disney Parks & Resort
2013 N. Avenue of the Stars
Lake Buena Vista, FL 32830

Local Jobs and Internships (418 opportunities)
Attached is a list of 200 current internship opportunities (plus 218 part time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 418 internships and part time jobs are posted in your Handshake account at the CareerNetwork.msu.edu website.

It pays to apply for jobs as soon as possible as employers sometimes close postings quickly. You can learn more about AND apply for jobs through the free online Handshake service.

Once at Handshake, you'll need to fill out your profile and upload your resume. With your profile and resume in place, you'll be able to search for job openings and submit applications by clicking on the "Apply" button in the job description or following the employer’s instructions.

Here’s how to quickly locate a specific job posting in Handshake:
1) Log in to your student account in Handshake at msu.joinHandshake.com
2) Copy and paste a Job ID number from the attached spreadsheet into the search box
3) Click search, click on the job title, read the details and apply if appropriate

Good luck with your student job or internship search!

MSU Career Services Network
Summer Opportunities

W. K. Kellogg Biological Station Summer Programs and Courses
We are pleased to announce that we are now accepting applications for 2018 summer programs at MSU’s W. K. Kellogg Biological Station. These include research experiences, internships, and summer courses for both undergraduate and graduate students. For more information, visit us online at:

http://www.kbs.msu.edu/education/

Sara Garnett
Academic Programs Fellow, Kellogg Biological Station

Research

University Undergraduate Research and Arts Forum Registration
Deadline February 18
This is a reminder that the University Undergraduate Research and Arts Forum (UURAF) registration deadline is approaching. Students may register no later than Sunday, February 18th at 11:59 PM.

https://urca.msu.edu/uuraf/reg

UURAF is celebrating 20 years this spring and we expect nearly 1,000 students to participate. By presenting their scholarship and creative activity at the forum, students gain experience in presenting their research, answer questions about their work from audience members and guests, and receive constructive feedback from judges.

With nearly 30 categories that represent disciplines in every college across campus, participation in UURAF is open to all undergraduate students, regardless of their major, year, or level of experience in research. UURAF will take place on Friday, April 13th in the MSU Union from 8am-5pm.

Questions? Contact the Undergraduate Research Office at ugrsrch@msu.edu or by phone at 517-884-4384.

CANR Undergraduate Research Funding Applications Due March 9

CANR UNDERGRADUATES: If you would like to broaden your employment opportunities, strengthen your graduate school application or simply acquire a clearer view of your career interests and options, the CANR Undergraduate Research Program is for you!

Applications are open now for Summer semester 2018.

The program allows you to become more actively engaged in your education through intellectual inquiry and practical learning. If selected, you will work closely with a faculty mentor to gain a more in-depth understanding of your field, as well as real-world experiences.

Funding is competitive (up to $2,000 per semester) to cover research, workshops, presentation opportunities, and other support for the faculty-student team. A minimum of ten $2,000 awards will be made for each award cycle. Awards are made each Fall, Spring and Summer semester.

Important: Past award recipients must submit a new application to be considered for an additional semester of funding. Students may receive funding from this source for two semesters total. The deadline to apply is March 9, 2018.
How to apply for participation and funding:
Carefully and Completely read all of the information associated with the URP at https://www.canr.msu.edu/academics/undergraduate/undergraduateresearch/

Suggestions for writing a strong application are provided here. There is also a link to information for faculty mentors. Students must prepare their application with their faculty mentor.

Complete and submit the online application found at http://web2.msue.msu.edu/undergradResearch/applicantAdd.cfm

Be sure that your faculty mentor supplies a letter of support on your behalf by the deadline date. Instructions for adding letters of support are included in the online application web site.
Questions? Contact Ms. Susan DeRosa (derosa@msu.edu).
The CANR URP is generously supported by the Office of the Provost and the CANR. BE students are eligible for this program.

Research & UURAF Preparations

Spring 2018
Undergraduate Research Workshops

Learning about Undergraduate Research
Tuesday, Feb 20: 7:00-8:00pm, 312 Bessey Hall
Make research an integral part of your Spartan saga! Come learn about the opportunities available for involvement in research and creative activities at Michigan State. You can expect a short presentation, discussion, and Q & A facilitated by current undergraduate researchers. This workshop is a repeat of the January 22nd workshop.

Preparing Poster Presentations
Tuesday, March 20: 5:15-6:15 pm, 307 Bessey Hall
A presentation poster requires a very different approach than a research report on the same work. You need to be visually appealing, draw in your reader, and convey your purpose and findings in a concise, direct manner. Dr. Tom Wolff, Faculty Emeritus from the College of Engineering, has judged engineering project posters for many years. He will speak about layout, communication, and people’s perceptions of typeface and graphic design. Workshop participants will review examples of posters - both good and not-so good - and consider common pitfalls. Discussion of the function of a poster session as a vehicle for sharing your work with visitors and judges will conclude the workshop.

Preparing Oral Presentations
Thursday, March 29: 5-6 pm, 107 Bessey Hall
Led by Professional Writing professor Danielle DeVoss (Writing, Rhetoric, and American Cultures), this workshop will cover the basics of constructing well-crafted slide presentations. We’ll talk about slide fundamentals, how to whittle a large research project down to a short presentation, and how to integrate visuals to support your points.

Preparing for Success at UURAF
Monday, April 2: 6:00-7:00 pm, 316 Bessey Hall
First time presenting at the University Undergraduate Research and Arts Forum (UURAF)? Let our panel of seasoned UURAF presenters help you make the most of your experience. You'll get lots of great tips for printing your poster, timing your presentation, what to wear, what time to arrive, and what kinds of questions to expect on the big day.
REU – Materials for Sustainability in Energy and Manufacturing – University of Houston
We will be hosting at UH this summer an exciting REU program. If you know of undergraduate students in your institution interested in doing research during the summer. Please let them know about this opportunity. We will be receiving applications until March 9th.

Thank you,

Debora F. Rodrigues, Ph.D.
Associate Professor
Department of Civil and Environmental Engineering University of Houston A Carnegie-designated Tier One public research university

Cullen College of Engineering Building 1
4726 Calhoun Road, Room N107
Houston, TX 77204-4003
Ph: 1-713-743-1495
Email: dfrigirodriques@uh.edu

REU - Interdisciplinary Water Science and Engineering Virginia Tech, Blacksburg, Virginia *deadline today
Qualified and motivated undergraduate students (rising sophomores, juniors, and seniors) from all U.S. colleges and universities are invited to submit applications to participate in a 10-week (May 20 - July 28, 2018) summer research experience in interdisciplinary water science and engineering at Virginia Tech. U.S. Citizens or Permanent Residents are eligible to apply. The research program is funded through the National Science Foundation’s Research Experiences for undergraduates (NSF REU) Site program. The 10-week internship will begin May 20, 2018, (arrival day) at Virginia Tech and will end July 28, 2018, (departure day). This research internship includes a stipend of $500/week, housing (two persons per room), meals, and travel expenses (limited to a maximum of $500 per person for students working at Virginia Tech and a maximum of $1500 for those students travelling to India). From our prior sites, during 2007-2017, we have graduated 95 excellent undergraduate researchers representing 55+ institutions in the United States. Application materials, details about research mentors, along with information on summer 2018 research projects and other program activities, are posted under the “NSF-REU SITE” tab on the following website: https://urldefense.proofpoint.com/v2/url?u=http-3A__lewas.ictas.vt.edu_&d=DwIGaQ&c=nE__W8dFE-shTxStwXtpOA&r=mOKxmi_sGrGhFvSt25nob1Q&m=oZF6vRkSHMDaGJ4O49t07iQdXgQSFIl7kTDZIopKNTU&s=CSA6A8S1l6cn3jk0IrR93r4j62OAcW-DyGMIMKedsM&e=

Applicants are requested to upload their applications along with the other required documents by the deadline. Review of applications will begin February 12. However, we’ll continue to accept applications until February 16, 2018. We’ll start contacting successful applicants by February 23. Please contact Dr. Vinod K. Lohani (phone: (540) 231-0019; FAX: (540) 231-0970; E-mail: vlohani@vt.edu) if you have questions.

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Zhen (Jason) He, Ph.D.
Professor, Department of Civil and Environmental Engineering Director, Center for Applied Water Research and Innovation (CAWRI) Virginia Polytechnic Institute and State University (Virginia Tech)
403 Durham Hall, 1145 Perry St., Blacksburg, VA 24061
Phone: 540-231-1346; Email: zhenhe@vt.edu
Webpage: www.ebbl.cee.vt.edu
Study Abroad

International Food Law
I’m writing to let you know there are still 3-4 open seats for the International Food Laws study abroad program. We always love having your students with us. Please feel free to let your students know—interested students can contact me directly for additional information.

Program Dates: May 7-27, 2018
Program fee: $3655
4 credits

Also, this program can substitute for FSC 421 (Food Laws and Regulations) which is part of the Food Processing and Technology minor.

https://osa.isp.msu.edu/Programs/program/index/108149

Thanks!

Rhonda Crackel
Director of Study Abroad
College of Agriculture and Natural Resources
Justin S. Morrill Hall of Agriculture
446 West Circle Drive, Room 121
Michigan State University
East Lansing, MI 48824
Tel. (517) 353-8878