February 15, 2020

Contents

Career Opportunities

- E-Week - Engineering in the Mitten - Feb 17 2
- E-Week - Engineering Expo - Feb. 19 & 20 3
- BE Club Meeting - Board Game Night - Monday, February 17, 6:30 pm, 119 Farrall 4
- BE Club - Escape Room - Monday, February 24, 6 or 7 pm, The Hive, RSVP required 4

Recent Handshake Opportunities (select) 4

- First Solar 4
- Schreiber Foods 4
- Vertex Pharmaceuticals 5
- US Food and Drug Administration (FDA) 5
- Project Manager - Solar 5
- Health Scientist - Toxicologist 5

**Philips**

- Full Time – Field Service Engineer – Lansing, Michigan – 2020 5
- Bristol-Myers Squibb 5

6
Career Opportunities

E-Week - Engineering in the Mitten - Feb 17

The College of Engineering at Michigan State University will be hosting the 1st Annual Engineered in the Mitten Expo on Monday, February 17 from 1-4 pm in the halls of the Engineering Building. While the college hosts a range of employment events throughout the academic, including the larger Engineering Expo taking place later that week, this event will highlight a range of summer and fall internship / co-op experiences, as well as full-time gigs following graduation.
We will place companies based on the geographic zone that the primary operation is based out of, so student attendees can see what companies are coming from certain areas around the state. If organizations have facilities across multiple regions, they will be placed in the area with the greatest employment need.

Below are the different regions that will be represented at the event, based on alignment with the State of Michigan’s Labor and Economic Opportunity Department:

Zone 1: The Upper Peninsula
Zone 2: Greater Traverse City Area
Zone 3: Greater Alpena Area
Zone 4: Greater Grand Rapids + Holland Area
Zone 5: Greater Midland + Bay City + Saginaw Area
Zone 6: The Thumb
Zone 7: The Capitol Area
Zone 8: Greater Kalamazoo + Battle Creek Area
Zone 9: Greater Jackson + Ann Arbor Area
Zone 10: Metro Detroit

NEW - Join Yello!

- We are excited to partner with Yello for the Expo on February 17! Yello is a recruiting platform that makes it easier for you to connect with the world’s leading employers at career fairs. Over 50 companies will be using Yello’s mobile app to connect with students and view your resume at the event.
- To ensure employers can collect your information smoothly at the career fair, we encourage you to create a Yello profile at https://join.yello.co today to receive your Passport code. With Passport, you will typically sign in with employers in as little as 10 seconds, will spend less time filling out forms at employer booths, leaving you more time to speak directly with recruiters.
- Yello is your passport to find more opportunities at the career fair. Sign up at https://join.yello.co.

See the complete list of 67 companies at:
https://msu.joinhandshake.com/career_fairs/12993

**E-Week - Engineering Expo - Feb. 19 & 20**

Location: Engineering Building hallways (428 S Shaw Ln, East Lansing, Michigan 48823)

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.

**Where:** The halls of the Engineering Building (428 S Shaw Ln, East Lansing, Michigan 48823)

Day 1 **Session 1** (Wednesday, February 19, **11am-2pm**)
Civil; Construction; Environmental; Biomedical & Biopharmaceutical; Energy; Biochemical

Day 1 **Session 2** (Wednesday, February 19, **4-7pm**)
Beverage/Food; Consumer Packaged Goods; Textiles; Automotive; Mobility; Transportation
Day 2 **Session 1** (Thursday, February 20, **11am-2pm**)
Supply Chain; Tech Sales; Packaging; Grad School; Computing/It; Fintech; Entertainment; Consulting

Day 2 **Session 2** (Thursday, February 20, **4-7pm**)
Aerospace/Aviation; Defense; Manufacturing- Other

See the complete list of 137 companies at:
https://msu.joinhandshake.com/career_fairs/13084

Attached is `<2020EngineeringExpoCompaniesforDistribution.xlsx>` which is the listing of companies/organizations expected to attend Engineering Expo or Engineering in the Mitten. I have highlighted a few to possibly target. Use the list to research prospective companies to talk and network with.

**BE Club Meeting - Board Game Night - Monday, February 17, 6:30 pm, 119 Farrall**
**Who:** All BE and interested students
**What:** Midterms are now upon us so BE Club will be kicking back with a board game night! Games will be provided, or you can bring one of your favorites to teach the Club. Take a break from studying and come on out!
**When:** Monday, February 17, 2020, 6:30 – 7:30 pm
**Where:** 119 Farrall Hall

**BE Club - Escape Room - Monday, February 24, 6 or 7 pm, The Hive,** **RSVP required**
**Who:** All BE and interested students
**What:** BE Club will be going to an escape room! We will be meeting outside the engineering room called "The Hive" in Wilson Hall. There are 6 pm and 7 pm time slots available. Please RSVP using the link below. This event takes about 45 minutes to complete and it is free. If you have never done an escape room before, here is your chance! We hope you can make it!
**When:** Monday, February 24, 2020, 6 or 7 **RSVP @** https://forms.gle/CdF8YRfueW6fnnw97
**Where:** "The Hive" Wilson Hall

**Recent Handshake Opportunities (select)**

**First Solar**
**Job:** Manufacturing Systems Analyst Intern
**Employer:** First Solar
**Apply before** Saturday, March 28, 2020 5:55 pm EDT

**Schreiber Foods**
**Job:** Controls Engineering Co-Op
Employer: Schreiber Foods
Apply before Thursday, April 30, 2020 11:00 am EDT

**Vertex Pharmaceuticals**
Job: Intern Real World Evidence (EC)
Employer: Vertex Pharmaceuticals
Apply before Wednesday, March 25, 2020 12:35 pm EDT

**US Food and Drug Administration (FDA)**
Job: FDA Environmental Assessment of Human Drugs Fellowship (from Post-Bacc to Post-Doc)
Employer: US Food and Drug Administration (FDA)
Apply before Sunday, May 31, 2020 9:45 am EDT

**LA Solar Group • Van Nuys, CA**
Project Manager - Solar

**Cardno • San Francisco, CA and 6 more**
Health Scientist - Toxicologist

**Philips • Lansing, MI**
Full Time – Field Service Engineer – Lansing, Michigan – 2020

**Bristol-Myers Squibb**
Job: Drug Safety Evaluation- Summer 2020 Intern
Employer: Bristol-Myers Squibb
Apply before Friday, March 6, 2020 11:55 pm EST

**Bristol-Myers Squibb**
Job: Summer Intern, MS&T Parenteral Drug Product Department
Employer: Bristol-Myers Squibb
Apply before Friday, March 6, 2020 11:55 pm EST
Bristol-Myers Squibb
Job: Discovery Internship Program - Summer 2020
Employer: Bristol-Myers Squibb
Apply before Friday, March 6, 2020 11:55 pm EST

Johnson & Johnson Family of Companies
Event name: J&J Supply Chain/Engineering Co-Op Virtual Info Session
Date: Tuesday, February 18, 2020
Time: 5:00 pm - 6:00 pm

U.S. Department of Energy
Job: Administrative Officer
Employer: U.S. Department of Energy
Apply before Monday, February 17, 2020 11:55 pm EST

Bristol-Myers Squibb
Job: Biologics Process Development Intern
Employer: Bristol-Myers Squibb
Apply before Saturday, March 7, 2020 11:55 pm EST

Bristol-Myers Squibb
Job: Process Development Downstream Intern
Employer: Bristol-Myers Squibb
Apply before Saturday, March 7, 2020 11:55 pm EST

Environmental Resources Management (ERM)
Job: Environmental, Health and Safety Consultant (Chicago)
Employer: Environmental Resources Management (ERM)

The Nature Conservancy
Job: Fresh Water Intern
Employer: The Nature Conservancy
Apply before Saturday, March 21, 2020 12:55 am EDT
Internships/Part Time

Local Internships & Student Jobs in Handshake (330)
Attached “Local internships & jobs 2-12-20.xlsx” is a list of 156 current internship opportunities (plus 174 part-time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 330 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 will need to fill out your profile and upload your resume. With your profile and resume in place, you will 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 is how to quickly find a specific job posting in Handshake:
Log in to your student account in Handshake at msu.joinHandshake.com
Copy and paste a Job ID number from the attached spreadsheet into the search box
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

Agricultural Sciences Professional Internship Offerings at Walt Disney World - apply by April 1
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 Bachelors’ degree within 12 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.

We would 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 2020 term (June 2020 – January 2020). Please encourage students to apply as soon as possible to get the process started; applications will open later today (January 17th).

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.

We would also like to share a video that the Walt Disney Company created to showcase one of our plant science interns, which features her love for agriculture and why she chose to do the internship. You can find the video at this link: https://www.facebook.com/DisneyWorldCommunity/videos/2336870386546562/?t=74

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. Have them click on “Enter Job Title or Keywords” 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.

msu.joinhandshake.com/jobs/3472178

**Scholarships**

**College of Engineering - Undergraduate Scholarships - Applications due February 29, 2020**
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. Luke Reese - Biosystems & Agricultural Engineering
Dr. Pat Walton - Chemical Engineering & Materials Science
Dr. Mehrnaz Ghamami - Civil & Environmental Engineering
Dr. William Punch - Computer Science & Engineering
Dr. Virginia Ayers - Electrical & Computer Engineering
Dr. Patton Allison - Mechanical Engineering

ASABE and ASABE Foundation Scholarship applications due March 15, 2020
ASABE Foundation Engineering Scholarship - $1,500 given annually

William J. Adams, Jr. and Marijane E. Adams Scholarship - $1,500 given annually

Research

EnSURE 2020 program is now open
https://www.egr.msu.edu/graduate/ensure

The EnSURE (Engineering Summer Undergraduate Research Experience) program at Michigan State University offers summer research opportunities for high achieving undergraduates who are studying at institutions in the United States or Puerto Rico. During Summer 2019, the EnSURE program will take place on the MSU campus from May 18 through July 24, 2020.

EnSURE is an "internship in graduate school" and provides participants with an early opportunity to become involved in research by working with faculty mentors in one of eight Engineering departments:

- Biomedical Engineering
- Biosystems & Agricultural Engineering
- Chemical Engineering & Materials Science
- Civil & Environmental Engineering
- Computational Mathematics, Science & Engineering
- Computer Science & Engineering
- Electrical & Computer Engineering
- Mechanical Engineering
Curious about what the undergraduate research experience is all about? Check out this video, http://bit.ly/1uQ6dB8 featuring an EnSURE program alumna and other undergraduates from MSU.

Expectations and Eligibility
As part of EnSURE, students work full-time on a substantive, faculty-guided research project and participate in professional development activities, including attending weekly seminars and completing periodic writing assignments. Due to the intensive nature of this program, it is expected that students will not enroll in summer coursework or accept other employment during the work week. At the discretion of the faculty mentor, it may be possible for students to enroll in limited (4 credits or less) online coursework or independent study; the student is responsible for any enrollment fees.

Applicants must meet all of the following criteria:
- current undergraduate student, studying at an institution in the United States or Puerto Rico, from any institution or major
- eligible for employment in the USA (you must have a social security card before the EnSURE program starts)
- returning for one or more semesters of undergraduate study after Summer 2020 (i.e., not graduating before December 2020)
- minimum cumulative GPA of 3.20 (on a 4.0 scale)
- able to commit to full-time employment on the MSU campus during the 10-week summer program (May 18 to July 24, 2020)
- not taking classes during Summer 2020 (exceptions may be made for up to 4 credits of online coursework, with permission from the faculty mentor)
- at least 18 years old by May 1, 2020

Compensation and Housing
Students participating in the summer research experience are paid $12.50 per hour and typically work 40 hours per week for 10 weeks (up to $5,000 in total compensation). Participants are considered student employees of MSU and are responsible for applicable taxes. Students are responsible for their own meals, housing, transportation and personal expenses; a variety of housing options are available both on-campus (liveon.msu.edu) and in the surrounding area (elmanac.msu.edu).

Application Timeline
Applications for EnSURE are reviewed on a rolling basis until the program is filled. Students will be notified if they are selected by a faculty mentor and will have approximately 2 weeks to accept or reject the offer to participate in EnSURE. Based on previous years, we expect that the EnSURE program will be filled by April 1. Please note that priority is given to students who have not previously completed EnSURE.

Ready to Apply?
The EnSURE program application requires basic contact and demographic information, a resume (.pdf format) and an unofficial transcript (a .pdf printout of your University's grade reporting system is sufficient). Applicants must also submit brief statements (about 500 words each) explaining why you want to participate in EnSURE (what do you hope to learn? do you have any specific skills or prior research experience to contribute?) and why you think it is valuable to foster inclusion and diversity in engineering. You should use these statements as an opportunity to expand briefly on the skills and experiences you have to contribute, and/or what you hope to learn from participating in this summer program.
CLICK HERE to apply for EnSURE 2020. https://www.egr.msu.edu/graduate/form/ensure-student-application

Other Research Opportunities
We typically receive far more applications from outstanding students than we are able to accommodate in the program; in previous years, we were only able to offer summer positions to 20-30% of applicants. In addition to applying to our summer research program, you may be interested in on-campus opportunities found through venture.msu.edu, in nationwide undergraduate research programs sponsored by the National Science Foundation, and in the SROP (Summer Research Opportunities Program) sponsored by the CIC. Students with experience in composites and materials may also wish to consider the IACMI Internship Program. MSU students can also identify a variety of on- and off-campus positions on MySpartanCareer.com.

KBS Undergraduate Research Apprenticeship (URA) Program and KBS Internship Program - apply by March 1
Partners, please share the following with your MSU students and colleagues:

KBS, in partnership with several departments, offers a wide variety of field-based summer courses that include important prerequisite courses in biology and ecology, plus advanced botany, grant writing, wetland ecology, and GIS.

Students can also apply for the KBS Undergraduate Research Apprenticeship (URA) Program and KBS Internship Program! These students pair a KBS summer course with a paid research or internship experience. Work hours accommodate the student's course schedule, and they work in close collaboration with a KBS mentor. Applications for the URA & Internship programs close March 1, 2020.

Links to detailed course and program information can be found at:

KBS courses & programs - www.kbs.msu.edu/education/undergraduate-program/

Any questions can be directed to:  KBSsummer@kbs.msu.edu

Thanks!

Beth

________________________________________
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AOAC International "Testing for Life" Student Award

This AOAC Award, supported by contributions from the Eurofins Foundation, is designed to encourage student researchers who are advancing basic or applied science in analytical or molecular testing for food safety, food security, food defense, food authenticity, or health and environmental protection.

Apply now  https://form.jotform.com/AOACINT/eurofins-foundationaoac-testing-for

Eligibility, application guidelines, and Award details

Please read the eligibility and submissions guidelines below before submitting your application.

Eligibility

- Student applicants enrolled full-time in a degree-granting program (undergraduate or graduate);
- Research can be basic or applied in support of analytical or molecular testing for food safety, food security, food defense, food authenticity, or health and environmental protection.
- Application Content:

  - All applicants must provide:
    - An abstract (300 word maximum) describing the research that details the objective and applicability for the work, the methodology, results, and conclusions. Applicants must demonstrate the innovative nature and the value of the research and how it advances the analytical capabilities in support of food and/or agriculture safety.
    - 2 letters of recommendation
    - Other pertinent supporting documentation,
    - Supervisory/faculty concurrence in support of the submission package and for participation in the mentorship portion of the prize.

Application Dates:

Deadline for applications is March 31. Awardees will be notified in June.

Prize and Expectations for the winner(s):

- All winners will be awarded a cash prize of $3,000,
- All winners will be awarded a complimentary 1-year membership in AOAC INTERNATIONAL to include all rights and benefits,
- All winners will be provided complimentary travel, lodging and registration to attend the 2020 AOAC INTERNATIONAL Annual Meeting,
- All winners will be formally recognized during the meeting’s opening session and in the AOAC bi-monthly magazine, Inside Laboratory Management (ILM),
- All winners will be expected to prepare a poster to describe the award-winning research. Posters will be showcased during a regularly scheduled poster session at the annual meeting. Winners will also be required to prepare and give a 10-minute oral presentation as part of a mini-symposium to feature research by young scientists,
• All winners will be provided with a 2-day, external mentorship experience tailored to their current research activities and work experience,
• Up to 5 prizes will be awarded.