# February 6, 2018

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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 !

5th Annual Science and Health Career Boot Camp event at Michigan State University- February 16
This conference-style career event for MSU students is a collaboration between the College of Education (Kinesiology), College of Agriculture and Natural Resources, Lyman Briggs College, College of Nursing, the College of Natural Science, and MSU Career Services.

During this event, you will have the opportunity to learn about the dynamic career paths in the science and health industries through workshops, panel discussions and networking activities. Your decision to participate in this event is a significant investment in your career development as an undergraduate student in the science and health related majors. Tap into your potential and pursue your purpose while exploring career options at Science & Health Career Boot Camp.
Program Agenda: check back soon for a program agenda including panel discussions and interactive workshops with alumni and other professionals

Date: Friday 2/16
Time: 1:00 pm to 5:00 pm
Location: Brody Hall, Room 112, MSU Campus
RSVP Required in advance to attend. Please go to "join event" on your screen to register. This event costs $10 to attend and must be paid by credit/debit card. Registration will remain open until Monday, February
The Confectionery Foundation announces Next Generation program &
Career Fair at Sweets & Snacks Expo 2018

College students interested in learning more about working in the confectionery industry are invited to apply for the Next Generation program at the National Confectioners Association Sweets & Snacks Expo on May 23, 2018 in Chicago.

Food Science, Business, Marketing, Engineering, Chemistry, Nutrition, Computer Science or Technology majors as well as FIRST Robotics alumni, are encouraged to apply.

This valuable career-immersion day allows selected students to gain an understanding of industry segments and career paths by meeting with mentors and visiting with some of the more than 750 companies exhibiting.

Applicants for this limited invitation should be:
• aged 20 -30 years
• currently enrolled in an educational degree program at a public or private college/university
• seeking a career in the confectionery industry
• prepared to submit a current resume and signed waiver by April 20, 2018
• able to send an industry or academic reference
• willing to participate in a phone or Facetime interview and a survey as part of the application and event follow-up
• available to participate in the Next Generation program at McCormick Place from 8AM to 6PM on Wednesday, May 23rd

How to apply:
First: Submit the online form at www.ConfectionLink.org/Students (Invite code: NextGen)
Second: Email Education@ConfectionLink.org with a short note. Attach your resume in pdf
Third: Respond promptly to requests for conversations and/or references
Fourth: If selected, send a Thank you note after the event to The Confectionery Foundation

Past participants have commented on the value of the experience. “To engage face-to-face with company executives is a very special networking and learning opportunity. The Confectionery Foundation’s program at Sweets and Snacks Expo was instrumental in shaping my career path.” 2018 marks the seventh year of NCA’s The Confectionery Foundation career education day at the annual Sweets & Snacks Expo. Student guests are responsible for their own travel.

Resume Builder - Engineering Expo Ambassador
https://msu.joinhandshake.com/events/110435
Tuesday, February 20th 2018, 8:00 am - Thursday, February 22nd 2018, 7:30 pm EST

Event Description
Want a free t-shirt? Sign up to be a student ambassador at Engineering Expo! As an ambassador, you will have the distinct opportunity to volunteer your time as a liaison between employers and event staff, connect with company recruiters, and advance your professional network. Your time and talent will benefit your professional career development while giving back to the College of Engineering in a powerful way.

There are many shifts to choose from to best fit your schedule. It is acceptable if you can only work a portion of a shift.
From The Center for Spartan Engineering - It's Michigan Co-op Month!
National Engineers Week (Feb 18 - 25) - Check our the Bi-Weekly Job & Event Report
Good Morning! Not sure what you’ve been hearing but the demand for our students and graduates has never been stronger! This month is extremely busy with Engineering Expo (Feb 20 & 22) PLUS Michigan has declared it Co-op Month!

There are currently 2,814 Intern/Co-Op and 5,186 Full-Time positions posted on Handshake, our online career management tool that are available to engineering students!

Attached is a list of 139 engineering co-op/internship opportunities (plus 212 full-time jobs) that are set to expire before February 16th. You will also find a list of the upcoming career events and interview schedules taking place on campus targeting engineering students.

To see an up-to-date list of employers attending Expo, go to this link:
https://msu.joinhandshake.com/career_fairs/3475/student_preview

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/share_preview>
Kyle Liechty | Co-op / Intern Coordinator

Spring Break Corporate Tour – Due February 9
For the first time ever, the annual Spring Break Corporate Tour is splitting into day trips and will be open to all undergraduate levels, as we will be visiting corporations across the State of Michigan! The tour offers direct networking with recruiters, executives, and alums at a range of companies, as we will be visiting 3 companies and participate in an evening networking social each day of the corporate tour. We will spend a day in Detroit, Grand Rapids, Jackson, and Lansing, as they have become the largest hubs for employment in the state. To apply, submit your resume to the Handshake posting and follow the directions in the form to share your tour preferences (number of days looking to attend, cities of interest, etc.). This is a one of a kind experience and great way to gain understanding of various companies / industries and possibly talk your way into a job!

https://msu.joinhandshake.com/jobs/1235692

Mars Sophomore Experience
The Mars Sophomore Experience Program combines diverse experiences and continuous learning for students with an investment in you that’s personalized to you. Humble-and-hungry students will quickly find that our unique culture grows the person, as well as the professional, and opens up opportunities to be one of our top interns next year! You will have the opportunity to explore many distinct careers with a first look at the Mars Inc. culture and ways of working.

If you’ve set your sights on learning, the Mars Sophomore Experience is a great place to start. If chosen to join us on Friday, May 18, 2018, the Mars Sophomore Experience will allow you to see one of our offices and gain a deeper understanding about the functional area that aligns best to your major.
Scholarships

College of Engineering - Undergraduate Scholarships - Applications due February 28, 2018
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, 2018

SABE Foundation Engineering Scholarship - $1,200 given annually

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

Opportunities on Handshake

Tetra Tech, Inc.

Job: Civil Engineer -( Entry with EIT)
Employer: Tetra Tech, Inc.
Apply before: Saturday, March 31st 2018 11:00 pm EDT

Consumers Energy

Job: Public Safety Intern
Employer: Consumers Energy
Apply before: Sunday, March 4th 2018 10:00 pm EST

Consumers Energy

Job: Analytics and Systems Intern
Employer: Consumers Energy
Apply before: Sunday, March 4th 2018 11:55 pm EST

Smithfield

Job: Operations Intern - Summer 2017
Employer: Smithfield
Apply before: Sunday, March 4th 2018 11:59 pm EST

Schreiber Foods

Job: Production Supervisor
Employer: Schreiber Foods
Apply before: Friday, May 4th 2018 10:00 am EDT

Manufacturing Engineering Intern - Keurig Green Mountain
33 Coffee Ln, Waterbury, Vermont 05676, United States and 1 more
Seasonal Full-Time Internship (5/21/18 - 8/13/18)
Remediation Environmental Engineers Needed For January 2018 Hiring Needs Nationwide - December 2017 Graduates Welcome! - Arcadis

United States
Full-Time Job
Paid
Environmental Services
25,000+ employees
No on-campus interviews
Applications close on July 12th at 8:25 am

Biomedical Engineer - Aerotek
Full-Time Job Applications close Friday, 3/30 Lake Bluff, IL All Employer Preferences Match
Responsibilities for the Test Engineer Test Engineer will spend 80% of time mechanical / Hands-on testing of prototype and on-market consumable plastics products, test method development, and other laboratory related duties. 20% data documentation of testing…

Keurig Green Mountain | Digital Showcase | 1340 EB
February 12, 2018 at 10:00 am
Engineering Building, 1340D

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

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
Horticulturist, 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 (434)
Attached is a list of 205 current internship opportunities (plus 229 part time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 434 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

Research & UURAF Preparations

Spring 2018
Undergraduate Research Workshops

Writing Abstracts
Monday, February 12: 5:00-6:00pm, 112 Bessey Hall
Undergraduate scholars are often required to write abstracts that describe their research or creative activity for grants, scholarships, research papers, and even UURAF. Led by Professional Writing professor Danielle DeVoss (Writing, Rhetoric & American Cultures), this workshop will provide an overview of the essential components of an abstract and give tips on how to write an effective abstract.

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.

Summer 2018 USDA-NIFA undergraduate research fellowship program - South Dakota State University

I am pleased to announce that South Dakota State University is accepting applications for the Summer 2018 USDA-NIFA undergraduate research fellowship program (May 29 – August 3). Our USDA-NIFA undergraduate research fellowship is an opportunity to make a difference in sustainable energy, water resources, natural resources, and the environment. The projects our research fellows conduct continue on after they leave because they have real-world impact. We are proud to offer this fellowship experience to a select few students who will work side by side with leading researchers at SDSU. Fellows receive a $5,000 stipend plus up to $350 for travel expenses. Lodging is provided.

Students have the chance to work with excellent SDSU faculty mentors from six departments:
- Agricultural & Biosystems Engineering
- Agronomy, Horticulture & Plant Science
- Biology & Microbiology
- Chemistry & Biochemistry
- Civil Engineering
- Electrical Engineering

Last year, research fellows came to South Dakota State University from across the country (plus Costa Rica and a couple current SDSU students!); the attached booklet provides details about each of their projects:

See attached for more information about the program and how to apply. I am happy to answer general questions about the program. Research-specific questions should be directed to Dr. Zhengrong (Jimmy) Gu at Zhengrong.Gu@sdstate.edu. In the past, students have asked about receiving credit from their home university (research experience, independent study, etc.) for their research fellowship. We are open to discussing that option, but it must be established before the summer begins. Applications are due March 30, 2018.

We look forward to working with you and your students!

Jasmine

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