Career Preparation

Career Fair Follow Up
I saw lots of BE students at career fairs all week. Please remember to follow up with the companies your interacted with. A simple “talk you for your time and I am very interested in your company” will separate you from the pack. Please let me know if you need help with cover letters, thank you notes, resumes, follow up strategies, etc.

BE Club - Trivia Night Tuesday, October 2, 6:30-7:30 pm
Take a step back from all the career activities and spend an hour with the BE Club Trivia night. Guaranteed fun and food.

What: With midterm madness soon upon us, BE Club will be having an exciting trivia night to kick back and have a little fun! Please join us for a great night getting to know your fellow BEs and eat some good food!
When: Tuesday, October 2, 6:30-7:30 pm
Where: Room 119 Farrall Hall

Education Abroad Expo, Thursday, October 4, 1-5 pm, Breslin
The Education Abroad Expo is a comprehensive information event for anyone interested in learning more about the many exciting education abroad opportunities available at Michigan State University.

Close to 200 exhibits displaying information about MSU’s wide variety of programs and support services will be available for students to browse and ask questions.

If you’ve ever thought about international study, the Education Abroad Expo is the perfect place to begin your search.

The BAE Department is sponsoring (2) summer 2019 faculty-led programs that will be at table 95. Sustainable Food, Environment, and Social Systems Australia is a 7-credit program that offers credits in ISS 310. Ecological Engineering in the Tropics Costa Rica is a 4-credit program that usually runs over winter break but is being moved to a summer program to avoid being out-of-country on Christmas day. Stop by the Expo to learn more or attend one of the following info sessions:

Info Sessions - Sustainable Food, Environment, and Social Systems Australia Summer 2019
- October 11, 6:00-6:45 pm, 103 Farrall Hall or Zoom - msu.zoom.us/j/5173533258
- October 22, 6:45-7:30 pm, 103 Farrall Hall or Zoom - msu.zoom.us/j/5173533258
- November 19, 6:00-6:45 pm, 103 Farrall Hall or Zoom - msu.zoom.us/j/5173533258

Info Sessions - Ecological Engineering in the Tropics Costa Rica Summer 2019
- October 11, 6:45-7:30 pm, 103 Farrall Hall or Zoom - msu.zoom.us/j/5173533258
- October 22, 6:00-6:45 pm, 103 Farrall Hall or Zoom - msu.zoom.us/j/5173533258
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ASMSU Student Forums for Presidential Search - College of Engineering, October 24, 7-8:30 pm, Engineering Auditorium
ASMSU’s president, Katherine Rifiotis, is hosting forums for each college to hear directly from students about their concerns and opinions about MSU’s presidential search. The discussions will include what students want the job description to look like, the direction of the university, and more!

Recent Handshake Opportunities

Smithfield
Job: Continuous Improvement Intern - Summer 2019
Employer: Smithfield
Apply before: Thursday, October 25, 2018 11:59 pm EDT

Smithfield
Job: Operations Intern - Summer 2019
Employer: Smithfield
Apply before: Thursday, October 25, 2018 7:59 pm EDT
Local Internships & Student Jobs in Handshake (415)

Attached “Local Internships Jobs update 9-27-18.xlsx” is a list of 169 current internship opportunities (plus 246-part time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 415 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:
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

Full Time

Genesee Conservation District - Engineer – Conservation Technical Assistance Initiative (CTAI)
Position Overview
The work involves the planning, design, and installation of conservation engineering practices to a variety of natural resource management and conventional agricultural resource concerns. The position will provide engineering services by conducting field investigations, topographic and stakeout surveys, preparing engineering designs and drawings, preparing construction cost estimates, and providing oversight of the installation of engineering structures and practices in several counties. Examples of the types of designs and implementation projects include: agricultural practices such as agrichemical handling facilities, livestock watering facilities, grade stabilization structures, grassed waterways, water and sedimentation control basins and wetland restoration projects. The engineer will work for Genesee Conservation District, under the technical guidance of the United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS).

**Essential Job Duties**

- Work within deadlines and manage conflicting demands while successfully operating in an ever-changing work environment with minimal direction from supervisor
- Maintain knowledge of and apply the best management practices as detailed by NRCS
- Conduct and/or coordinate construction inspections to ensure project specifications are met in accordance with construction drawings and structural and regulatory standards
- Conduct site visits and perform field assessments and surveys for water quality protection and enhancement projects, fish and wildlife habitat enhancement projects, drainage management projects, and structural projects such as livestock waste storage facilities, sub-surface drains, livestock crossings, and clean water diversions and dispersions
- Prepare engineering designs and drawings in accordance with NRCS policies and procedures
- Conduct topographic and stakeout surveys as assigned in accordance with NRCS policies and procedures
- Prepare construction cost estimates and documentation of as-builts by computing earthwork, concrete, and other material volumes
- Provide construction oversight of the construction and installation of engineering practices
- Accurately complete and submit required reporting to Genesee Conservation District, its partners, and funding agencies
- Utilize guidelines in the performance of all work. These guidelines include United States Department of Agriculture, Natural Resource Conservation Service (NRCS) policy and procedure as outlined in Bulletins, National Engineering Manual and Handbooks, Engineering Field Handbook, Technical Releases, Technical Guide, Michigan Department of Transportation (MDOT) and ASTM Specifications, and various manufacturer catalogs and specifications.

**Qualifications**

- The position requires completion of a Bachelor of Science in Civil, Environmental, or Agricultural Engineering or related engineering field (with focus in construction or water) accredited by the Accreditation Board for Engineering and Technology
- Demonstrated knowledge of the Fundamentals of Engineering practices and principles; successful completion of the Fundamentals of Engineering exam is desired, but not required
- Ability to work effectively with co-workers and the general public
- Possess and maintain a valid Michigan State drivers’ license
- Knowledge of or interest in a basic understanding of agricultural land use practices, common rural and urban land use practices, and the resource management issues and challenges facing the region
- Use of computers to prepare and record field and technical data, track work products, and write reports
- Use of computer programs such as AutoCAD, Arc GIS, and Microsoft Office Suite

**Desired Knowledge and Skills**

- Experience designing and preparing site maps and plans with AutoCAD
- Experience using and managing GIS software and databases
- Experience using GPS and post-processing software
Knowledge or understanding of a broad range of soil and water conservation principles, techniques, methods, and practices to apply and install conservation systems, which involve complex and diverse agricultural and other land uses

Knowledgeable of land survey practices and have experience interpreting maps and aerial photography

Knowledge or understanding of green stormwater infrastructure or low impact development stormwater management principles and design concepts

Knowledge of local, state, and federal environmental regulatory programs and applying that knowledge to the design and permitting of water management, steep slope management, shorelines management, forest health management

Knowledge and skill in written and oral communication techniques and public relations sufficient to explain technical engineering specifications for various projects and programs to individual landowners, various agencies, local sponsoring organizations, and other conservation partners

**Work Environment**

Work requires personal contact with co-workers, construction contractors, and landowners for the purpose of exchanging information, providing engineering consultative services, and obtaining experience in relating engineering practices to conservation programs. Approximately half of the work is normally performed in an office setting while seated at a desk. The normal work hours are 8 a.m. to 4:30 p.m. The employee frequently will make field visits that may involve walking on rough terrain, carrying equipment, or climbing steep banks during all weather conditions. The position requires average agility and dexterity during field visits. Protective clothing such as boots and gloves may be necessary during field visits.

**Compensation**

The position is a full-time, 40 hours/week position. The position is grant-funded; renewed annually. Benefits include a small benefit stipend, paid holidays, and paid time off according to District policies.

**To Apply**

Submit a cover letter stating your suitability for the position based on knowledge and skills, along with a resume, transcript, and list of references to Angela Warren by email at geneseeecd@yahoo.com. This posting will remain open until filled.

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**Research**

**CANR Undergrad Research Program Funding & Grants - Deadline October 15**

The College of Agriculture and Natural Resources (CANR) offers funding for students to participate in undergraduate research to increase academic engagement, intellectual inquiry and practical learning.

The Undergraduate Research Program (URP) provides opportunities for personalized real-world experience by working closely with faculty mentors and graduate students.

Participating students can expect to:

- Explore interdisciplinary interests and make career contacts.
- Strengthen research, analytical, writing and speaking skills.
- Present findings at professional meetings and conferences.
- Strengthen graduate school and internship applications.
- Broaden future employment opportunities.

BEFORE applying, contact a faculty member to be your research mentor. You can also ask your academic advisor for research mentor suggestions.

Apply now through Oct. 15 for URP funding during the spring 2019 semester!
Eligibility

We’re looking for highly motivated, inquisitive, committed and self-disciplined students with a drive to succeed.

CANR students at all class levels with a minimum 2.5 GPA are eligible to apply for URP funding. These funds are for students whose primary major is within the CANR only. Secondary majors, minors and coordinate majors are not eligible for this program.

Seniors in their last semester of study are welcome to participate but are not eligible for research support grants.

What do I need to do?

1. Determine your research topic and find a faculty research mentor.
2. Review Hints for Applicants and Notes for Mentors.
4. Fill out and submit the online URP Application by Oct. 15.

If you have any questions, please feel free to contact me at millenba@msu.edu.

Go Green!

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Undergraduate Research Office Fall 2018 Workshops

Unpacking Your Research Experience
Monday, October 1, 5:00 pm, Location: 105 Bessey Hall
Have you thought about how the skills you are gaining through your undergraduate research experience will assist you in the future? Come learn about strategies for communicating your abilities to others, such as graduate schools and future employers. This workshop will include information about creating an elevator pitch related to your research and an opportunity for you to critically reflect on the skills you have built by being involved in undergraduate research. Come prepared to interact and engage with your peers about your research!

Learning about Undergraduate Research
Tuesday, October 9, 7:30 pm, Location: TBD
Make research an integral part of your MSU experience! 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.
Finding a Summer Research Opportunity
Wednesday, October 17, 7:30 pm, Location: 304 Bessey Hall
There are a variety of summer opportunities available for students. Programs are hosted by colleges and universities around the United States and they provide an intensive research experience on a particular topic within a scholarly discipline. For undergraduates with plans for graduate or professional school after MSU, summer research provides the opportunity to expand your professional network and acquire experience in an area of interest. In this workshop, you will learn more about summer research, the benefits of participation, and effective search strategies, including how to find and apply for opportunities.

Troubleshooting Your Undergraduate Research Experience
Monday, October 22, 6:00 pm, Location: 773 Bessey Hall
Intended for students who currently hold roles as undergraduate researchers, this panel discussion provides insight and suggestions on how to manage common challenges and problems. How can you establish an impactful working relationship with your supervisor? How do you manage to balance your academic, personal, and research responsibilities? How can you optimize your relationship with your faculty mentor? A panel of undergraduate researcher ambassadors will share their experiences and ideas.

Finding a Summer Research Opportunity
Tuesday, November 6, 5:30 pm, Location: TBD
There are a variety of summer opportunities available for students. Programs are hosted by colleges and universities around the United States and they provide an intensive research experience on a particular topic within a scholarly discipline. For undergraduates with plans for graduate or professional school after MSU, summer research provides the opportunity to expand your professional network and acquire experience in an area of interest. In this workshop, you will learn more about summer research, the benefits of participation, and effective search strategies, including how to find and apply for opportunities.

Learning about Undergraduate Research
Wednesday, November 14, 7:30 pm, Location: 304 Bessey
Make research an integral part of your MSU experience! 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.

For more information, contact us via email at ugrsrch@msu.edu or phone at 517-884-4384.