March 11, 2019

Contents

Career Preparation

• BE Club – Dr. Kirk - Anaerobic Digestion – Mar. 12, 6:30 pm, 119 Farrall
• BE Club – Etiquette Dinner – Mar. 26, 6-8 pm, 114 Farrall – RSVP required
• MSU Summer Job and Internship Fair 2019 - Tuesday, March 19, 3-6 pm, Breslin Center
• ASME E-Fest April 5-7

Recent Handshake Opportunities

• Meijer
• Herbalife
• Mondelēz International (makers of Nabisco and Cadbury brands)
• Federal Energy Regulatory Commission
• Vertex Pharmaceuticals
• Vertex Pharmaceuticals
• Vertex Pharmaceuticals
• Keurig Dr Pepper
• Dow
• Zoetis
• Schreiber Foods
• Profile Food Ingredients
• Stryker
• Smithfield
• Clarke Solutions
• Local Internships & Student Jobs in Handshake (238)

Opportunities not on Handshake

• Summer Internship Opportunity with USDA/ARS Lab in Fruit Harvesting Research - East Lansing, MI
• Great Lakes Packing Company Internship, Kewadin, MI - Apply by March 15
• MSU Dairy Plant is looking for summer workers - apply now!
• Department of Energy Alaskan Summer Internship Program - Applications due April 1

Scholarships

• ASABE and ASABE Foundation Scholarship applications due March 15, 2019
• MSUFCU Intern Award Application Period Now Open

Research
Career Preparation

BE Club – Dr. Kirk - Anaerobic Digestion – Mar. 12, 6:30 pm, 119 Farrall
What: BE Club will be having Dr. Kirk talk about anaerobic digestion and MSU’s very own south campus digestor managed by BAE!
When: Tuesday, March 12, 6:30-7:30 pm
Where: Room 119 Farrall Hall

BE Club – Etiquette Dinner – Mar. 26, 6-8 pm, 114 Farrall – RSVP required
What: Sign-up for the 2019 BE Club Etiquette Dinner is OPEN! The cost to take part in this event is $5 for club members and $10 for non-club members. This includes a formal dinner, a presentation on professional dining etiquette, and networking throughout the evening with industry representatives. Turn in your money to Matt Wholihan, Club Treasurer, to sign up! If you cannot make it to the next BE Club meeting, contact Matt at wholiha1@msu.edu to find an alternate time. Space is limited, so sign up today!
When: Tuesday, March 26, 6-8 pm
Where: Room 114 Farrall Hall

MSU Summer Job and Internship Fair 2019 - Tuesday, March 19, 3-6 pm, Breslin Center
For students in any major looking for a full- or part-time summer job or internship. This is your chance to talk with any of the 150+ employers looking to hire Spartans! Employers attending are described in Handshake and include: Auto-Owners Insurance, DTE Energy, Merrill Lynch Wealth Management, Neogen, MSU FCU, Thomson Reuters, Grand Hotel, and many more!
https://app.joinhandshake.com/career_fairs/8352

ASME E-Fest April 5-7
From Craig Gunn with Mechanical Engineering.
The Department of Mechanical Engineering invites you!!! Lots of fun, great entertainment, and fantastic technical content at the ASME E-Fest April 5-7 at and around the Breslin Center. Check out the information below!!!! Additional information at efestnorth.asme.org or contact gunn@egr.msu.edu

Recent Handshake Opportunities

The Meijer opportunity is a great fit for BE students, and we have had multiple Meijer placements in recent years.

**Meijer**

**Job:** 2019 Summer Internship Opportunity - Properties: Energy/Sustainability  
**Employer:** Meijer  
**Apply before:** Friday, April 5, 2019 5:00 pm EDT

**Herbalife**

**Job:** Intern, Technical Operations (R&D / Food Science)  
**Employer:** Herbalife  
**Apply before:** Friday, May 3, 2019 9:00 am EDT

**Mondelez International (makers of Nabisco and Cadbury brands)**

**Job:** Senior Engineer II  
**Employer:** Mondelez International (makers of Nabisco and Cadbury brands)  
**Apply before:** Thursday, March 28, 2019 8:20 pm EDT
Federal Energy Regulatory Commission

Job: FERC Summer Internship 2019 - Energy Industry Analyst
Employer: Federal Energy Regulatory Commission
Apply before: Saturday, May 11, 2019 11:55 pm EDT

Vertex Pharmaceuticals

Job: Co-Op, Biochemical and Biophysical Research
Employer: Vertex Pharmaceuticals
Apply before: Monday, May 13, 2019 8:25 am EDT

Vertex Pharmaceuticals

Job: Intern, Pharm Ops Project Coordinator
Employer: Vertex Pharmaceuticals
Apply before: Wednesday, July 17, 2019 7:25 pm EDT

Vertex Pharmaceuticals

Job: Intern, Medical Writing
Employer: Vertex Pharmaceuticals
Apply before: Friday, May 31, 2019 9:05 am EDT

Keurig Dr Pepper

Job: Corporate Sustainability Graduate Intern
Employer: Keurig Dr Pepper
Apply before: Friday, March 22, 2019 10:25 am EDT

Dow

Job: Data Scientist - Full Time - R&D Information Research
Employer: Dow
Apply before: Saturday, October 12, 2019 1:00 am EDT

Zoetis

Job: Bioanalytical Chemistry Intern
Employer: Zoetis
Apply before: Sunday, March 31, 2019 12:00 am EDT
Schreiber Foods

Job: Maintenance Team Advisor
Employer: Schreiber Foods
Apply before: Tuesday, April 30, 2019 2:00 am EDT

Profile Food Ingredients

Job: R&D Summer Internship
Employer: Profile Food Ingredients
Apply before: Tuesday, April 2, 2019 5:00 pm EDT

Stryker

Job: Corporate Compliance Intern
Employer: Stryker
Apply before: Friday, March 15, 2019 11:55 pm EDT

Smithfield

Job: Operations Intern - Summer 2019
Employer: Smithfield
Apply before: Friday, March 29, 2019 11:55 pm EDT

Clarke Solutions

Job: Pharmaceutical Validation Engineer
Employer: Clarke Solutions
Apply before: Friday, March 15, 2019 3:10 pm EDT

Local Internships & Student Jobs in Handshake (238)

Attached “Local Internships & Jobs 3-6-19.xlsx” is a list of 172 current internship opportunities (plus 66 part-time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 238 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’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!
Opportunities not on Handshake

Summer Internship Opportunity with USDA/ARS Lab in Fruit Harvesting Research - East Lansing, MI
A summer internship opportunity with the U.S. Department of Agriculture (USDA) Agricultural Research Service (ARS)’s engineering laboratory, adjunct with the Department of Biosystems & Agricultural Engineering at Michigan State University, will be available for the summer months of 2019. The intern is expected to work with a team of researchers on a new research project on the development of robotic technology for harvesting apples. The specific tasks for the position may include but are not limited to: 1) designing and testing a fruit picking mechanism, 2) contributing to the improvement and evaluation of the robotic actuation and control systems, and 3) assisting in testing and evaluation of the harvesting robot prototype for picking apples in a simulated, lab environment and/or in the orchard. The student should have background in Biosystems/Agricultural Engineering and is willing to learn new techniques and hands-on skills in mechanical design and construction, sensors, and controls. The intern is expected to work full time during summer months for at least eight weeks. She/he will be hired as a USDA/ARS employee and hence, U.S. citizenship is required for the position. Minorities and women are encouraged to apply. If you are interested in the position, please send your curriculum vitae to Dr. Renfu Lu at Renfu.lu@ars.usda.gov or you can stop by his office at 224 Farrall Hall.

Great Lakes Packing Company Internship, Kewadin, MI - Apply by March 15
Please see the following regarding internships with Great Lakes Packing Company. Please note the deadline and how to submit your materials. We have had prior BE placements here.

To apply, please submit your cover letter and resume to Larry Zink via email to zink@msu.edu by Friday, March 16, noon.

Note: Great Lakes Packing will be interviewing on campus March 20. They will be attending the Summer Employment and Internship Fair March 19.

Please address your cover letter to and list the position you are interested in

Scott Pryde
Plant Manager
Great Lakes Packing Company
6556 Quarterline Rd.
Kewadin, MI 49648

2019 Internship Program – Employment Opportunities

Logistics Assistant (Kewadin, MI)
Ensures packing supplies, trucks, and drivers are available as needed for packing. Maintains daily inventory of supplies. Organizes truck driver orientation. Understands the schedule of incoming raw product and plant production to communicate a tentative schedule with drivers, freezers, and plant personnel. Arranges trucks and drivers to haul finished product to cold storage while utilizing return trips to backhaul sugar, buckets, pits, raw product, etc.

Product Tracker (Kewadin, MI)
Coordinates the transferal of fresh cherries from the receiving area into the processing area. Connects field records from raw to finished product and initiates records for prepped stock and juice stock recovered from the processing lines.

Raw Product Specialist (Hart, MI)
The Raw Product Specialist performs duties central to product tracking in a busy processing environment, such as communicating dump information to Production Control and accurately entering data into company software. Responsible for creating reports, reconciling shift totals, and supporting the Raw Product Tracker in receiving local deliveries of cherries.

Quality Captain (Kewadin, MI & Hart, MI)
The Quality Captain is responsible for maintaining our busy quality lab and informing the Quality Assurance (QA) Supervisor about noticeable changes in the quality of the product. Duties include grading cherries to USDA and in-house standards, ensuring retention samples are created for each lot code, and proper recordkeeping. Organizational skills required.

Raw Product Receiver (Kewadin, MI)
Ensures cherries are graded and placed according to time received and/or production specifications. Verifies that the receiving log records every grower ticket and tank accurately.

Production Control (Kewadin, MI & Hart, MI)
Completes the production process by coding and labelling finished product and by recording important data for the company trace and inventory programs. Production Control in Hart also alerts the QA Supervisor of any problems and performs the important function of verifying metal detection.

Quality Assurance Specialist (Kewadin, MI)
Coordinates efforts to maintain GLPC’s high standards of quality and food safety. Duties include training and monitoring quality personnel; adjusting color sorters and pit detectors; overseeing daily sanitation measures; and assisting with environmental monitoring procedures.

Maintenance Assistant (Hart, MI)
Assists Maintenance Supervisor with preseason setup. Duties include installing processing equipment, such as electrical, mechanical, and pump systems, and troubleshooting problems. Assigned additional responsibilities during harvest season.

Human Resources/Administrative Assistant (Kewadin, MI)
Learns to recognize key people within GLPC, its sister companies, and business associates to facilitate communication. Manages and directs office flow. Creates shipping paperwork and obtains approvals for shipping product. Understands the paper flow of the employee files from application through hiring process. Assists with Workman’s Compensation claims and injury reports. Report new hires to the state of Michigan and other payroll support functions.

Production Reconciler/Administrative Assistant (Kewadin, MI)
Learns to recognize key people within GLPC, its sister companies, and business associates to facilitate communication. Manages and directs office flow. Creates shipping paperwork and obtains approvals for
shipping product. Reconciles raw product data with daily production and researches discrepancies in order to maintain accurate records.

Administrative Assistant (Hart, MI)
The Administrative Assistant handles the reception, interfaces with all employees, and supports the Quality Manager and Payroll Manager. Significant duties include fielding phone calls; entering scoresheet data; creating and filing reports; and making sure production personnel have enough personal protection equipment (PPEs), supplies, and log forms. Spanish speaking skills and organizational skills required.

**MSU Dairy Plant is looking for summer workers - apply now!**
This has been a fantastic opportunity for many BE students and a great resume builder. If you are still looking for summer opportunities, this is a good option.

Hi Dr. Reese,

We are gearing up to hire students for this Summer. Thanks as always for helping us spread the word to Biosystems students! Please see invitation below and attached flyer.

Are you sticking around campus this Summer to take classes? Are you looking for a food related job to bolster your resume? The MSU Dairy Plant is currently accepting applications for the Summer of 2019. The dairy plant offers a unique opportunity for undergraduate students to receive hands-on experience with industry relevant operations including food production, sanitation, and food safety. Students who wish to apply must meet the following qualifications:

- Summer staff is expected to work at least 20 hours a week, although full-time availability over the summer is preferred. The dairy plant is dedicated to accommodating student class schedules.
- Be willing to work hard! Previous food production experience is not required! You will receive on-the-job training for tasks such as proper cleaning and sanitizing, assembly and disassembly of production equipment, packaging product, and so on.
- Previous work experience in any field is preferred.
- Self-motivated, team-oriented individuals thrive at the dairy plant. Students who are exceptional workers will be invited to continue working beyond this Summer.

Interested applicants can contact the MSU Dairy Plant Operations Coordinator, Rodney Clark, at clarkr11@msu.edu
Department of Energy Alaskan Summer Internship Program - Applications due April 1

Organization
Department of Energy (DOE)

Reference Code
DOE-EERE-RPP-AMO-2019-1100

How to Apply
A complete application consists of:

- An application
- Transcript(s) - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate may be required to provide proof of completion of the degree before the appointment can start.
- A current resume/CV

All documents must be in English or include an official English translation.

If you have questions, please send an email to DOE-RPP@orise.orau.gov. Please list the reference code for this opportunity in the subject line of your email.

Application Deadline
4/1/2019 5:00:00 PM Eastern Time Zone

Description
To boost Alaska’s contribution in technology and innovation advancements in manufacturing, the U.S. Department of Energy Advanced Manufacturing Office (AMO) has launched the DOE Alaskan Summer Internship Program.

This program will provide opportunities for students and recent graduates with strong ties to Alaska to collaborate with researchers at the following national laboratories: Idaho National Laboratory, AMES National Laboratory and Pacific Northwest National Laboratory. Successful applicants will be paired with a mentor from one of these laboratories to participate in a project of interest to the laboratory and AMO.
Applications will be reviewed by mentors at the hosting national laboratories. Laboratories will select candidates based on the qualifications of the applicants and the needs of the laboratory. Selections made by the hosting laboratories and the project assignments will be forwarded to AMO for final selection.

The Advanced Manufacturing Office (AMO) within the DOE Office of Energy Efficiency and Renewable Energy (EERE) is dedicated to improving energy and material efficiency, productivity, and competitiveness of manufacturers across the industrial sector. AMO brings together manufacturers, not-for-profit entities, research organizations, and institutions of higher education to identify challenges; catalyze innovations; and develop cutting edge material, process, and information technologies needed for an efficient and competitive domestic manufacturing sector.

For more information on The Office of Energy Efficiency and Renewable Energy and AMO’s mission please visit https://www.energy.gov/eere/amo/advanced-manufacturing-office

Participant Benefits
Stipends start at $600 per week depending on academic status. May be eligible to receive $150 per week housing allowance. Up to $1,000 to support travel to and from the appointment site for participants who live more than fifty miles, one-way from the assigned site.

Duration
Appointments are offered for 10 weeks beginning in Summer 2019.

Nature of Appointment
The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications
Meet one of the following conditions:

- Be enrolled as an undergraduate junior or senior, or master’s student during Sprint 2019 pursuing a degree in science, technology, engineering or mathematics (STEM) discipline or in a discipline that supports the Advanced Manufacturing Office (AMO) mission.
- Have earned an undergraduate or master’s degree in science, technology, engineering or mathematics (STEM) discipline or in a discipline that supports the Advanced Manufacturing Office (AMO) mission.
- Have strong ties to Alaska. Applicants to this program must indicate their strong ties to Alaska. This may include but is not limited to: birth in Alaska, resident of Alaska, heritage from Alaska, and/or attendance at an Alaskan university or other institution of higher learning. Applicants may also demonstrate their strong ties to Alaska in the application essay questions related to career and professional goals, and experience.

Preferred skills:

- Strong computer, computational and analytical skills
- Problem solving and communication skills.
- Knowledge in domains related to the mission of AMO.

Scholarships

ASABE and ASABE Foundation Scholarship applications due March 15, 2019


MSUFCU Intern Award Application Period Now Open

Internship Opportunity Award Overview
Through the generosity of the Michigan State University Federal Credit Union (MSUFCU) and individual donors, the MSU Career Services Network is able to grant stipend awards for undergraduate students participating in unpaid internships located in the United States during the Summer 2019 semester. The MSUFCU Internship Opportunity Award program was established to encourage students who have demonstrated the capacity to accomplish educational and professional goals, the motivation to achieve these goals and the initiative to seek experiential learning opportunities to further progress toward their career.

Recipients will be selected based on the following criteria:
- Undergraduate MSU student in good standing;
- Preference will be given to students graduating in Fall 2019 or later;
- Accepted to or actively pursuing a high quality, unpaid, career-related internship focusing on the following areas: non-profit organizations, government, media, the arts, public relations and advertising;
- Demonstrated financial need (as determined by student essay and the MSU Office of Financial Aid);
- Open to U.S. based internships ONLY, preference will be given to applicants interning at non-profits located in the Lansing area, non-profits in Michigan and Michigan start-up businesses in operation less than two years;
- Program is not open to students interning with an MSU department, who are interning internationally, who are past Award recipients, or graduate level students.
- Late applications will not be accepted.

Internship Awards – Summer 2019
Awards of up to $1000 each are available. The number of awards will be given based on available program funds and demonstrated student interest and need.

Recipients will be required to express acceptance and appreciation in writing within three (3) weeks of notification of the award, participate in a pre-internship Career Services workshop and post-internship donor event, and help with other program-related activities (details shared after award notifications.)

Application Checklist
To be considered for this award, all applicants need to submit an MSUFCU Internship Award Application via Desire 2 Learn, a 500-word personal essay (prompt included below) and a current resume via their Desire 2 Learn account through the MSUFCU Intern Award Course.

Write a statement of up to 500 words that addresses the following information:
- Your academic and career goals
- How this internship fits into your strategy for achieving those goals (If you have not yet secured an internship, describe your “first choice” internship you are pursuing.)
- What you will be doing and learning in this internship
- Your passion for the internship
- Any financial considerations that are affecting your ability to pursue this internship

Deadline to Apply: 11:59 pm, March 20, 2019