Important Dates

<table>
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<th>Event</th>
<th>Date</th>
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<tr>
<td>Deadline to Apply for Spring Graduation</td>
<td>Feb 22</td>
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<tr>
<td>Spring Break Begins</td>
<td>Mar 19</td>
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<tr>
<td>Resign Deadline</td>
<td>Apr 20</td>
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Departmental Awards

**MAE Student Excellence Awards**

**Deadline to Apply: Feb 13**

Our MAE Undergraduate students exhibit excellence in a variety of ways. The MAE Student Excellence Awards recognize these students for their outstanding contributions.  

[Learn more](#) | [Apply](#)

Events

**UB World’s Challenge Challenge**

**Feb 12 | 4-5:30 pm | Student Union 210**

The World’s Challenge Challenge calls on students to solve some of the problems facing the world. In teams of three, students from diverse backgrounds will choose one idea and relate it to one of the 17 Sustainable Development Goals set by the global community. It is an engaging opportunity for students to gain real-world experience through social innovation and entrepreneurship.  

[Learn more](#) | See attached.

**BAE SYSTEMS Recruitment**

**Feb 13 | 7 pm | Baldy Hall 101**

UB Alum Mohammed Rahman will be on campus holding an informational session on Feb 13. He will also be on campus Feb 14-15 to recruit for several manufacturing engineering opportunities. A Job Description can be found on Handshake #1249743. All Seniors invited and encouraged to attend.

**ORNL & ORISE - Virtual Career Fair**

**Feb 22 | 12-3 pm**

Oak Ridge National Laboratory and the Oak Ridge Institute for Science and Education are excited to share a great opportunity to learn more about the variety of internships and research participation programs available.  

[Learn more](#) | See attached.

To post to the weekly bulletin, contact Brittany Sandor at bsmetank@buffalo.edu
TIRED OF HEARING HOW BAD THINGS ARE? DO SOMETHING ABOUT IT.

SUSTAINABLE DEVELOPMENT GOALS

1. NO POVERTY
2. ZERO HUNGER
3. GOOD HEALTH AND WELL-BEING
4. QUALITY EDUCATION
5. GENDER EQUALITY
6. CLEAN WATER AND SANITATION
7. AFFORDABLE AND CLEAN ENERGY
8. DECENT WORK AND ECONOMIC GROWTH
9. INDUSTRY, INNOVATION AND INFRASTRUCTURE
10. REDUCED INEQUALITIES
11. SUSTAINABLE CITIES AND COMMUNITIES
12. RESPONSIBLE CONSUMPTION AND PRODUCTION
13. CLIMATE ACTION
14. LIFE BELOW WATER
15. LIFE ON LAND
16. PEACE, JUSTICE AND STRONG INSTITUTIONS
17. PARTNERSHIPS FOR THE GOALS

STEP 1
Sustainable Development Mixer
February 12th
4-5:30pm
210 SU
Learn about the World’s Challenge Challenge and the SDGs! Attendance strongly encouraged

STEP 2
Video Application Due
March 1st
Available online at www.buffalo.edu/sustainability/WCC

STEP 3
UB’s World Challenge Challenge
April 3rd
4-6pm
10 Capen
1st place - $2,000
2nd place - $1,000
3rd place - $500

STEP 4
UB’s winner has a chance to go to Western University!
June 3rd-8th
1st place - $30,000
2nd place - $15,000
3rd place - $7,500

http://www.buffalo.edu/sustainability/WCC.html

University at Buffalo Sustainability
This Is Where Change Begins.
University at Buffalo International Education
ORNL Science Education and Workforce Development Virtual Career Fair: February 22, 2018

All times reflect Eastern Standard Times.

12:00 PM: Virtual Career Fair opens and recruiters are LIVE to chat from 12:00-3:00 pm.

12:00-1:00 PM: Dr. Jeremy Busby, Dr. Melanie Mayes, and Julie Ezold will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Jeremy Busby is the Division Director for the Materials Science and Technology Division in the Physical Sciences Directorate at ORNL. His contributions range from light water reactors to sodium reactors and space reactor systems as well as research in support of the ITER project.
- Dr. Melanie Mayes is an ORNL Senior Staff Scientist and Multi-scale Environmental Processes Team Leader with the Environmental Sciences Division and the Climate Change Science Institute.
- Julie Ezold has over 25 years of experience in the nuclear sciences and is currently the Californium-252 Program Manager. She is responsible for the technical aspects as well as the program management activities of each curium target campaign.

1:00-2:00 PM: Dr. Robert Duckworth and Marie Urban will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Robert Duckworth is a Senior R&D Staff Member in the Fusion and Materials for Nuclear Systems Division at Oak Ridge National Laboratory.
- Marie Urban is a Staff Scientist in the Geographic Information Science and Technology Group at ORNL. She is the Principal Investigator for the Population Density Tables (PDT) project and has been for the past decade.

2:00-3:00 PM: Dr. Erin Webb and Jay Billings will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Erin Webb is a Senior R&D Staff Member in the Environmental Sciences Division at Oak Ridge National Laboratory and Joint Associate Professor in the Department of Biosystems Engineering and Soil Science at the University of Tennessee.
- Jay Billings is a Research Scientist in the Computer Science Research Group of the Computer Science and Mathematics Division at ORNL. His research focuses on the design and implementation of modeling and simulation tools for energy science, a large part of which has been related to the study of scientific workflows in an HPC context.

3:00 PM: Virtual Career Fair closes
DISCOVER THE VARIETY OF RESEARCH OPPORTUNITIES OFFERED AT OAK RIDGE NATIONAL LABORATORY, THE DEPARTMENT OF ENERGY’S LARGEST SCIENCE AND ENERGY LAB!

Chat live with scientists and recruiters, explore program booths, and learn about the ORNL experience!

REGISTER TODAY!
UB Bulls vs. Bowling Green
Friday, February 16th, 2018 – 6:00PM (tipoff at 7:00PM)

Discounted tickets for alumni, faculty and staff! Pizza party, drinks and giveaways.
Game ticket info below.

- Pizza, drinks, and student club prizes sponsored by the UBEAA.
- Small number of free game tickets available for grad students (email @ address below)

<table>
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<th>DISCOUNT TICKETS FROM UBEAA</th>
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<tr>
<td><strong>Free</strong></td>
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<tr>
<td>Undergraduates with ID (courtesy of your student activity fee)</td>
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<tr>
<td>Party for Alumni &amp; F/S season ticket holders</td>
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<tr>
<td><strong>$10</strong></td>
</tr>
<tr>
<td>UB Alumni, Graduate Students, Faculty and Staff</td>
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<tr>
<td><strong>$15</strong></td>
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<tr>
<td>Friends of UB SEAS</td>
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REGISTER BY FEBRUARY 15th AT:
Engineering.buffalo.edu/basketball

Sponsored by

Questions? Call 716-645-2133 or
e-mail: EngineeringAlumni@buffalo.edu
February Announcements

University Graduate Roles: Apply now! Full-time applications are reviewed on a rolling admission basis, so apply soon:

- Engineering Residency (BS/MS), 2018
- Software Engineer (BS/MS), 2018
- Software Engineer (PhD), 2018
- Software Engineer, Tools and Infrastructure (SETI)
  - Check out this YouTube video to learn more about SETI
- Information Technology Residency Program
  - Check out this YouTube video to learn more about ITRP
- Data Scientist/Quantitative Analyst (PhD), 2018

2018 Summer Internships: Applications are open -- apply now!

- Hardware/Mechanical Engineering Intern
  - Both 3- and 6-month internships available! No deadline just yet.
- Industrial Design Internship: Deadline to apply February 16, 2018
Interested in exploring more roles and opportunities? Check out google.com/students! For all Google news and updates, check out the Google Student Blog.

Google’s Pay It Forward Challenge
In honor of Black History Month, Google is hosting it’s fourth annual Pay It Forward Challenge as a way to recognize students who are positively impacting their local communities by expanding access and opportunities for others. **The deadline to submit your entry is Monday, February 12th 2018 at 11:59pm PST.** If you have any questions that are not answered in our FAQs, please email us at g-events@google.com.

**Kickstart:** Join our online coding competition specifically for students!

Interested in developing your coding skills and pursuing career opportunities with Google? Join Kickstart, Code Jam’s global online coding challenge designed specifically for students. It’s a great opportunity to develop your skills and get a glimpse into the programming skills needed for a technical career at Google. Code Jam kicks off in early April, so this is a great way to practice.

**How to get involved:**

- Registration opens on our Kickstart website on **Monday, February 19 @ 8:00am PST**

Reach out to codejamkickstart@google.com with any questions.

If you have any questions, please reach out to techstudents@google.com.
From: Human, Christine
Subject: Silent Hoist and Crane Materials Handling Prize

SILENT HOIST AND CRANE MATERIALS HANDLING PRIZE
The Silent Hoist and Crane Materials Handling Prize is awarded annually for the best one or two papers on the topic of materials handling. The fund to support this competition was provided through a generous grant from the Wunsch Foundation in the name of Silent Hoist and Crane Company. Papers must address some aspect of materials handling. Topics related to movement, storage, control and protection of everything from raw materials to finished products are acceptable. The paper may be written specifically for this award, or it may be a paper written as part of a course, co-op, or internship.

Awards

- 1st prize = $4,000
- 2nd prize = $2,000

Note: The award selection committee reserves the right to determine the number of prizes awarded.

Eligibility

- There are separate undergraduate and graduate competitions for students in SEAS.
- Work must be completed during the prior 12-month period.

Deadline

- April 30

Submission

- Email PDF to chuman@buffalo.edu, Subject: Silent Hoist and Crane - Student Name (please also include if you are a graduate or undergraduate student)
- Include problem definition, discussion of method/approaches to solving the problem, implementation and outcomes, conclusions
- Max 2000 words

Christine Human, PhD
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chuman@buffalo.edu

University at Buffalo
School of Engineering and Applied Sciences