EEE Newsletter
October 2, 2020

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Protect Purdue

All of the information and resources you may need can be found at https://protect.purdue.edu/

Faculty, staff & students are being encouraged to program the Protect Purdue Health Center (PPHC) phone number into their phone to ensure they are aware if PPHC is attempting to contact them. The phone number for the PPHC is 765-496-4636.

EEE Registration Season for Spring 2021

- Registration season for Spring 2021 is nearing! Students who will be registering as an undergraduate student for Spring 2021 should have received a BoilerConnect email from Tammi Thayer earlier this week about EEE mentoring and advising steps. (December 2020 graduation candidates were NOT included.)
- You may access the newsletter for ‘EEE Registration - Spring 2021’ by taking this path -
  EEE -> Current Undergraduate Students -> Useful Resources -> EEE Student Newsletter

SEEE Update

SEEE is still welcoming new members for those who still haven’t joined. Those interested should contact Erica Wang at wang3438@purdue.edu if they have any questions or want to join the mailing list. Meetings are Monday at 5:30 via Zoom. The next meeting will be October 12th. The club has also selling T-shirts and would like to gage interest for the current picked design. If you are interested in purchasing a T-shirt click the following link to fill out the survey bit.ly/SEEE-Fall-Merch.

Job Corner with Ms. Whelton, PE

Career fair season is still happening. The next two upcoming career fairs are using a different format through Simplicity. Hopefully this format will be more user friendly.

Generally, there are around 40 companies listed as looking for environmentally focused employees at the CE Career Fair. Usually the companies at this career fair are mainly consulting focused. More details are given below.

CE Career Fair
Thursday Oct 8th
9:30 AM - 4:30 PM
Virtual via Symplicity (note: the format is different than IR. Quick tour of platform found here.)

Career fair info: https://engineering.purdue.edu/CESAC/careerfair/companyinfo

They just closed employer applications on September 11th and haven’t published anything for students yet. Keep checking and I will keep you updated. Hopefully there will be seminars.
The College of Agriculture Fall Career Fair is another career fair you may want to attend. There may be more opportunities with agricultural companies and on the ecological side of things. With the online formats this year, I suggest if possible you attend all the fairs to maximize your potential connections with companies.

Details: College of Agriculture Fall 2020 Career Fair
Tuesday October 6th
9:00am-3:00pm
Online via Symplicity (see comments above for virtual tour, etc)

You must register here to attend: https://purdue-csm.symplicity.com/events/b9e48ce1f769ccdc3abea4da0f0dc5e31/overview
Note: It says GPA is not required and you just have to write it in a section if you’d like to include it. If your GPA is below 3.0, you probably don’t want to include it. You can also include your resume in a resume book sent to employers-this should link to your CCO account so make sure to update your resume in that system.

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Look for those companies interested in “Natural Sciences and Environmental Studies” and also ABE.
See who’s attending: https://purdue-csm.symplicity.com/events/b9e48ce1f769ccdc3abea4da0f0dc5e31/employers
Checklist for the career fair: https://ag.purdue.edu/oap/career/Documents/CAREER%20FAIR%20CHECK%20LIST.pdf
Through the link above, you can allow 10 companies to preview your resume prior to the career fair!

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Through the link above, you can allow 10 companies to preview your resume prior to the career fair!

Don’t forget to research the companies you are interested in prior to each career fair.

The CCO also has a feature to help you with the interview process. You can now practice interviewing from your home! They will even help you develop answers to common interview questions. Check out Big Interview to help you get prepared: https://purdue.biginterview.com/

If you need a quiet space for an interview, you can reserve a room in Young Hall via this link.

**Phillips 66 Alumni Panel**

Interested in Learning about career opportunities with Phillips 66 as well as what current EEE alumni have been doing there? Then attend the Phillips 66 Career Panel. The Panel will have Stephen Kelly and Danielle Klawitter who have both graduated from Purdue and are now working as Environmental Engineers for Phillips 66. The event is October 8th at 10:30 am. See flyer at end of newsletter for details. The event will be held on Zoom at the following link: https://purdue-edu.zoom.us/j/99948777666?pwd=dFZxdGlwZ09rN3hiZnphYmdRN2hhUT09

**EEE Combined Degree Program**

COVID changes to EEE 4+1 program - For the current academic year, the application deadlines for the combined degree program have been adjusted. If you are a senior who is graduating in December 2020 or May 2021 or August 2021 and interested in an MSEE or PhD please send Prof. John Howarter (howarter@purdue.edu) an email and he will provide additional details. Realistically, this decision will impact your course selection for future semesters so having a conversation sooner rather than later is probably best. Learn more at Combined Degree Program.

He will host Zoom informal “office hours” on Tuesday, Oct 13 from 3:00-5:00. The zoom link for Prof. Howarter’s office hours is https://purdue-edu.zoom.us/j/4243970275?pwd=OVkwN2Q3NjJkZWIyUmJGL0RWWVdJZz09

**Big Ten+ Graduate School Expo**

Big Ten+ Graduate School Expo is October 4-5th. The online platform has made this year’s event more accessible than ever. Grad Expo is your virtual one-stop shop for learning about top-ranked graduate programs in the STEM disciplines. Includes: workshops, networking, and a graduate school fair with Big Ten and peer institutions. There will also be break-out rooms with faculty and graduate students to learn more about Purdue research areas and insider application tips. Registration is free. Receive an application fee waiver to Purdue when you attend! Check out some highlights here.

The zoom link for Sunday’s EEE BigTen+ event can be found here.

Check the link for most up to date info - https://www.purdue.edu/gradschool/gradexpo/

Specific to EEE - Prof. John Howarter will be hosting a EEE information session on Sunday night October 4 from 6:45-7:45 PM. This will have mostly non-Purdue students who are attending the BigTen+ Expo, but everyone is invited to join.
EEE Travel Assistance Request Opportunity *

- Looking for a funding opportunity to assist with costs associated with your Study Abroad, Global Experience, Service-Learning Project, Conference, etc. that you are planning?
- Students seeking monetary assistance for travel costs associated with studying abroad, presenting research or other educational activities should use the attached form to validate their need for such support. Applicants should have an initial discussion concerning the intended program with Tammi Thayer.
- Applications are due 5pm on Friday, October 30 to Dr. Nina Robinson, EEE Administrative Director. Send to nirobins@purdue.edu. Application form is attached.

Don’t Forget to Check for Holds!

It is time for the annual review of your Financial Obligations Statement and Emergency Contact Information. Please take a few minutes to review and complete both of these important tasks in order to avoid issues with your upcoming spring 2021 registration. Action is required for both:

- Affirmation of Financial Obligations: Review and update your annual agreement by visiting the Bills & Payments page via mypurdue.purdue.edu and click the link “Affirmation of Financial Obligations” found within the Student Account section. Doing so will automatically release the hold on your account. Lack of compliance will result in your inability to register for classes, including the ability to drop or add courses for fall.
- Emergency Contact: Add or validate an existing emergency contact by visiting the Academics page via www.mypurdue.purdue.edu and click the link “Emergency Contacts” found within the Personal Information section. Doing so will automatically release the hold on your account. Lack of compliance will result in your inability to register for classes, including the ability to drop or add courses. If an emergency contact exists, you must click the Verify/Submit Changes button at the bottom of the page even if there are no changes made. This will trigger the automatic release of the hold.

Detailed instructions are provided at https://www.purdue.edu/registrar/currentStudents/students/holds.html.

Additionally, there is an opportunity for you to provide your cell phone number in order to receive text messages from your academic advisor, Office of the Registrar and Student Success Programs. You can access this option at www.mypurdue.purdue.edu. Click on the Academics page and look under the Personal Information section.

Research Opportunity Chemical Disinfectants*

The purpose of the internship is to improve the knowledge on the use of chemicals disinfectants and sanitizers to control the SARS-Var-2 transmission that cause the Covid-19 and improve the functionality of internet-based courses on Water, Sanitation and Hygiene (WASH). The intern will work under the coordination and guidance of Ing. Patricia Segurado, Advisor on WASH and Dr. Ana Boischio, Advisor on Chemical Safety. This opportunity is unpaid. More information can be found at the end of the newsletter. If you are interested contact Karen Gladbach (WDC) at gladbach@paho.org.

Engineering Resources Webpage for International Students

- A College of Engineering webpage is available for international engineering students. Within this page you will find useful information on Academic Success, Career Planning, Visa regulations, and Video resources.
- Link to webpage: https://engineering.purdue.edu/Engr/InfoFor/InternationalStudents
- You may also link to this on the EEE webpage. Follow path - EEE -> Current Undergraduate Students -> Useful Resources -> CoE International Students Page

Data Science Certificate Program*

You can add a data science certificate to any major in as few as six courses! There is a data explosion throughout society and virtually every job requires using data in decision-making. A certificate in data science gives you an advantage in the job market and throughout your career. For more information see the attached flyer or contact data.science.cert@purdue.edu.

Honors College Withdrawal

- Honors College students - No longer interested? No longer planning to pursue completion of the Honors program?
To withdraw formally from the Honors College, please contact your Honors College Advisor via email to express your intentions. To find your assigned Honors College Advisor, look in BoilerConnect or go to https://honors.purdue.edu/current-students/honors-advising/index.php.

You must officially withdrawal from the program to have the Honors block removed from your myPurduePlan audit sheet. Having that extra block on your MPP slows the system down so it makes sense to get it removed!

**Pre-professional Advising**

Planning on pursuing professional education such as law or healthcare? Check out Purdue Pre-Professional Advising to get versatile assistance from choosing a specific profession to applying to professional programs!

Learn more at [http://www.purdue.edu/preprofessional/](http://www.purdue.edu/preprofessional/)

**New Brightspace Widget**

A new student-facing widget now appears in the Purdue West Lafayette Brightspace course homepage and includes up-to-date links to Protect Purdue, Campus Resources, Academic Help, and Technology Help. The widget appears as a resource menu directly under Announcements on the right-hand side of the course homepage but is visible only to learners.

**Center for the Environment Newsletter**

The Purdue Center for the Environment has begun their own newsletter to advertise all of their upcoming events and other information related to the environment. If you want to sign up for their newsletter send an email to environment@purdue.edu with “Please subscribe me to the Earth Today newsletter” in the subject line. Some upcoming events are below:

"Pursuing Racial Justice Together" Series - Rebecca Nagle
Tuesday, October 6 | 7:00 PM

Rebecca Nagle is a writer, activist, and the host of the popular “This Land” podcast, and will be the featured speaker in the upcoming installment of the “Pursuing Racial Justice Together” series. The series is organized by the Division of Diversity and Inclusion. Nagle is also a citizen of the Cherokee Nation and an advocate for stopping violence against Native women. [Register here.](#)

Lunch & Learn: Environmental Justice & Public Health- Exposure and Other Stressors
Wednesday October 7th, 12:00 pm - 1:30 pm

Continuing the Center for the Environment’s year-long program of conversations about intersections between environmental and social justice, Dr. Ellen Wells, Center affiliate and Associate Professor of Environmental and Occupational Health, will speak on some of the history and scope of environmental justice as a critical environmental and public health concern. She will also discuss in detail her experience in interacting with a community facing environmental justice issues in East Chicago, Indiana. All are welcome to attend via Webex. [Register here.](#)

**Undergraduate Environmental Expo**

October 8, 3:30 - 5:00 PM | October 9, 2:30 - 4:00 PM

The Center for the Environment and NRES are holding the 2020 Undergraduate Environmental Programs Virtual Expo on October 8th and 9th this year. The expo will provide students the opportunity to discuss their academic interests with advisors and current students in a variety of environmental majors, minors, and programs at Purdue. Each info session will
include virtual breakout rooms for different programs. The Expo will take place via Zoom. Register to attend here.

**Student Grant Program for Community Service**

Purdue’s Office of Engagement provides grants to students or student organizations for work on community service-learning projects. This program’s goal is to expand the community involvement of Purdue students in partnership with communities, nonprofit agencies, schools, and governmental bodies. Both the application and guidelines for the grant program can be found here. The early submission deadline is 9/24 and the final deadline is 10/8. Students will be notified no later than 10/29 if they have been chosen. Questions may be directed to Lisa Duncan, Purdue Office of Engagement at 49-40899 or lduncan@purdue.edu.

**Message from the Study Abroad Office**

1. **Spring 2021 Study Abroad**
   a. We are planning to run Spring 2021 programs as we can. Some programs have been cancelled already, and the remainder of programs will be reviewed on a program-by-program basis. We are expecting decisions to be made by November 2nd.
   b. **Registration:** All Spring 2021 study abroad students are being advised to work with their academic advisor and to register for Spring 2021 courses at Purdue during their normal time-ticket as a back-up plan. Once programs are confirmed to run, students will then drop those courses. The study abroad office will complete registration for SA course numbers during open registration for programs that are running.
   c. In the event of a cancellation, we will do our best to work with students to find an alternate program that is still running (if they wish).
   d. **Study Abroad Deposit:** the refund policy has been adjusted:
      i. Exchange programs: Refunded if the program is cancelled and are also refundable up until 14 days before the program start date (for any cancellation reason).
      ii. Co-sponsored programs: many of our partners are offering similar refund policies. Students should consult their study abroad advisor to be sure or if they have any questions.
      iii. These policy changes are for Spring 2021 only at this time.

2. **Summer 2021 Study Abroad**
   a. At this time, summer 2021 programs are open for applications and we are planning to run as many programs as we safely can.
   b. A decision date on whether or not programs will run has not been determined.
   c. If there are concerns about availability of programs our office is happy to work with students to help identify potential back-up options.
   d. Departmental programs may not be showing up yet. Program leaders have until November 1st to submit program proposals. Therefore, students should check back in November to see more options.

3. **Planning Resources**
   a. Video Resources including our new “How to Pick a Study Abroad Program” and “Study Abroad Application Process Explained” are available here.
   b. Virtual appointments can be made here.
   c. Calendar of events and info sessions can be found here.
Interested in learning about career opportunities with Phillips 66? Interested in what EEE Alumni have been doing after graduation? Come to the Phillips 66 Alumni Panel! At the panel will be Stephen Kelly (Class of 2012) and Danielle Klawitter (Class of 2020). Both are current Environmental Engineers working at Phillips 66 in San Francisco, CA. They will be here to talk about their experiences working with Phillips 66 as well as answer any questions you might have.

Click the following link to join the Zoom call:
https://purdue-edu.zoom.us/j/99948777666?pwd=dFZXdGlwZ09rN3hiZnphYmdRN2hhUT09
Meeting ID: 999 4877 7666
Passcode: 075658
Environmental and Ecological Engineering
Travel Assistance Request Form: Study Abroad, Global Experience, Service-Learning Project, Conference, etc.

Students seeking monetary assistance with tuition, fees, travel or related expenses associated with studying abroad, doing/presenting research or other educational activities including travel should use this form to validate their need for such support. Applicants should have an initial discussion concerning the intended program with the EEE Associate Director of Advising. Applications are due to the EEE Administrative Director by relevant deadline.

Application Deadlines: October 30 for support of winter or spring term experiences
                                      March 15 for support of summer or fall term experiences

Basic information:
Name, PUID ________________________________________________________________
Semester/Dates of travel ____________________________________________________
Location/Program/Conference Name ____________________________________________
Number of credits to complete (if applicable) __________________________________
Specific course equivalencies (list) ____________________________________________
Name all faculty sponsors (if applicable) _______________________________________

Personal Statement: On a separate sheet in 500 words or less, describe the planned experience and how it will help you to grow as an individual and future professional, as well as any benefits to clients or community groups. Include relevant details on how funding could eliminate financial obstacles to your participation.
If the experience is not a course-based program (study abroad), answer each of the following in your statement and have the lead/supporting faculty member or instructor indicate approval with a signature.
1. Describe the project or area to be studied. What are the main questions of study?
2. Describe your learning objectives and goals? What do you hope to accomplish through the experience?
3. Describe how you will show you have met your learning objectives — what products, reports, or other deliverables will you produce to show that you have met the objectives?
4. Describe how your project relates to EEE, to material covered in other EEE courses, and/or to your professional goals.
5. If credit for a course will be given, state how you intend to use this credit toward EEE degree requirements.

Estimated Budget:
Travel $__________          Funding Already Received:
Food & Incidents $__________
Housing $__________
Insurance $__________
Tuition/Fees $__________

List other funding sources being pursued: _______________________________________

Have you received previous funding from EEE:
☐ No
☐ Yes For what? Amount? ___________________________________________________

If EEE agrees to provide support, you will be required to provide a “deliverable” to EEE. Indicate below how you wish to meet this requirement.
☐ Presentation to EEE 29000 Intro to EEE Seminar
☐ Presentation to EEE affiliated student organization
☐ EEE volunteer hours upon return to campus (~10hrs)
☐ Write student spotlight to be featured on EEE webpage
☐ Poster for display
☐ Report
☐ Other __________
Overview of the Unit CE/CDE

CE/CDE leads strategic, collaborative and multi-sectoral efforts to reduce the burden of disease caused by environmental factors. The Unit aims to strengthen public health systems by implementing preventive and responsive measures to reduce health effects and health inequities attributable to the impacts of climate change, unsafe water, sanitation and hygiene (WASH), and exposure to air, water and soil pollution, as well as by increasing resilience and capacity to prevent, respond and recover from harmful effects of environmental determinants of health.

Objective

The purpose of the internship is to improve the knowledge on the use of chemicals disinfectants and sanitizers to control the SARS-Var-2 transmission that cause the Covid-19 and improve the functionality of internet-based courses on Water, Sanitation and Hygiene (WASH).

Summary of Responsibilities

The intern will work under the coordination and guidance of Ing. Patricia Segurado, Advisor on WASH and Dr. Ana Boischio, Advisor on Chemical Safety, according to the responsibilities described below, and is expected to deliver the following products during her internship period:

The responsibilities of the intern will include, but are not limited to:

(a) Perform a literature review and summarize findings regarding the use of chemicals disinfectants and sanitizers to control SARS-Var-2 transmission;
(b) Monitor the release of new information related to the use of chemicals disinfectants and sanitizers to control SARS-Var-2 transmission from key international and national agencies
(c) Verify the content and functionality of four internet-based self-learning courses on WASH are aligned with the learning objectives established.
(d) Support the preparation of meetings and workshops
(e) Participate in meetings and workshops, drafting reports of activities.
Expected Products

(a) A report presenting the summary of the findings and addressing recommendations based on identified gaps related to the use of chemicals disinfectants and sanitizers to control SARS-Var-2 transmission;
(b) Present a weekly report of the most important releases of new information related to the use of chemicals disinfectants and sanitizers to control SARS-Var-2 transmission;
(c) A report with recommendations on how to improve the functionality, content and navigability of four internet-based self-learning courses on WASH.
(d) An agenda of promotional activities for the event and support tools
(e) A report summarizing each of the meetings the intern will participate

Supervision and Mentorship

During the internship, the student will be mentored and directly supervised by Ing. Patricia Segurado and Dr. Ana Boischio with a second level supervision of Dr. Marcelo Korc. She will keep her supervisor abreast of critical issues and developments and interact with other CE team members as needed. By the end of the internship she will deliver a report highlighting the strengths and weaknesses of her internship experience included lessons learned.
Applications in Data Science

Undergraduate Certificate

Add a Data Science Certificate to Any Major in as Few as Six Courses

There is a data explosion throughout society and virtually every job requires using data in decision-making. A certificate in data science gives you an advantage in the job market and throughout your career.

Why Data Science?

- Employers are hiring people who can transform data into information.
- The data science certificate program offers training in both foundations and applications of data science for students in all colleges and majors.
- Professionals trained in data science have the training and curiosity to make discoveries and decisions in a world where data is constantly being produced, communicated, and analyzed.
- This certificate is accessible to students at different quantitative skill levels.
- Part of Purdue's campus-wide data science ecosystem, the program is coordinated by the Integrative Data Science Initiative Curriculum Committee.

The Program

- Data science involves the development or application of statistical, mathematical, and algorithmic techniques or tools with an aim to extract knowledge from large-scale datasets and communicate findings.
- Students who earn this certificate will have a foundation in statistical, mathematical, and computational techniques for the analysis of large-scale or complex datasets and will apply their skills to different domains.
- You will be able to interpret results from large-scale data analysis and communicate findings, and recognize and evaluate ethical and social implications of data science.
- This program is housed at the College of Science with all other Purdue Colleges offering credits.

Requirements

- Requirements can be met with as few as six courses.
- You can choose your own path depending on your major and tailor the program to your specific interests. (A complete listing of all offerings in each category is available in the Purdue Catalog.)

Core Courses – 10 credits

- Foundation in Statistical Methods - Choose One (3 credits)
- Foundation in Computation - Choose One (3 credits)
- Foundation in Data Literacy, Management, and Analytics - Choose One (3 credits)
- Foundation in Data Ethics and Digital Citizenship - Choose One (1-4 credits)

Application Focus – 6 credits

- You will need to complete six (6) credit hours in courses concentrated on applications of data science related knowledge.

Talk to your academic advisor and register today!

For more information, contact data.science.cert@purdue.edu