Eee Newsletter
April 22, 2016

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Eee Combined Degree Program Approved*

Students with an overall GPA of 3.25 or better are encouraged to consider entering the Eee Combined Degree program. Apply during your junior year (6th semester). Nine credits of approved 500 level course work may be carried forward to the Master’s program, allowing you to earn the MSEEE in only two semesters beyond the undergraduate degree. Talk to your Eee Faculty Mentor or Prof. Jafvert. See the attached info sheet as well as the following link for details:
https://engineering.purdue.edu/EEE/InfoFor/CurrentStudents/Graduate/CombinedDegreeProgram

Job Corner with Ms. Whelton, PE*

If you are looking for an internship or permanent position, there is still time! We are still posting positions on the Eee website. Also, even during the summer we still get notifications of opportunities on occasion. So don’t forget to check the Eee website and also the CCO website for opportunities. Link to the Eee website internship section:
https://engineering.purdue.edu/EEE/Academics/InfoFor/CurrentStudents/EEERelatedPartTimeJobs
Purdue Eee permanent positions:
https://engineering.purdue.edu/EEE/Academics/InfoFor/CurrentStudents/EEERelatedFullTimeJobs
CCO: https://www.cco.purdue.edu/mycco.aspx

Also you may want to keep up with what is going on with Eee over the summer (or after you graduate). Check us out on social media. Here are direct links if you don’t know about our Eee sites.

Twitter: @PurdueEEE
Facebook: https://www.facebook.com/PurdueUniversityEEE/
LinkedIn: https://www.linkedin.com/groups/4346105

Please let us know what you are doing and anything interesting that happens during the summer! If you get recognized by your company or do something really neat, please let us know. You never know, we may feature you on social media!

Next week will be very busy for Eee: the seniors are presenting their senior design posters, Eee 495 (Urban Water Projects) students are presenting their final designs, and a great speaker is coming to talk with Eees!

Some of you may have heard Ms. Angela Jenkins when she spoke in Prof. Sutherland’s Eee 390 class last year. She is very energetic and passionate, has a lot of experience in environmental engineering, and is very eager to speak with you! The event is open to all Eees-so please be sure to attend. “Know Your Worth” will be Thursday April 28th at 1:30pm in WTHR 320. More information is attached. Please come and spread the word!

Good luck on finals! See you next year and congratulations to our seniors who will be completing the Eee program.
EEE 495 Urban Water Projects: WLFI Media Coverage

The EEE 495 Urban Water Projects class was recently featured on the West Lafayette News for their amazing work! Check out your classmates and their projects in the links below.
http://wlfi.com/2016/04/14/group-builds-rain-gardens-to-clean-up-the-wabash-river/

EEE 495 Urban Water Projects: Attend Final Presentation! RSVP Deadline Today!

You are invited to attend the final presentation for:

EEE 495: Urban Water Projects

When: 5:30 – 7:00 pm, Tuesday, April 26, 2016
Where: Purdue Graduate Student Center (PGSC) 504 Northwestern Avenue, West Lafayette, IN 47906
Free parking is available in the Northwestern Garage adjacent to the PGSC

Please RSVP to Lindsey, paynel@purdue.edu by Friday, April 22

In partnership with the Wabash River Enhancement Corporation and Greenvision LLC, Purdue University students have led efforts to install small-scale community-based urban water projects at Christ United Methodist Church, City of Lafayette Fire Station #8, and Food Finders Education Resource Center. Students participating in these efforts have been enrolled in EEE 495: Urban Water Projects, taught by Dr. Lindsey Payne. Students have used a transdisciplinary approach to integrate community partner and local stakeholder knowledge in designing and implementing these projects. Please join us in celebrating their semester-long efforts!

Fall Course - ANTH 592 Evidence, Power, Politics: Working in Expert and Technical Cultures

ANTH 592 Evidence, Power, Politics: Working in Expert & Technical Cultures

Monday/Wednesday, 4:30-5:45 STON 217 Instructor: Dr. Zoe Nyssa
What counts as evidence? Which practices produce reliable knowledge? Who decides? Workplaces today are often characterized by complex and interdisciplinary knowledge cultures. This seminar applies anthropological perspectives to the twin questions of how to understand these expert communities and a) what it means to be embedded within them. Topics may include: standards of evidence in legal, regulatory, and technical domains; interdisciplinarity and boundary work; issues of access and transparency; information economies and the rise of audit cultures; distributed expertise and collaborative practices; suppressed, absent, or classified knowledge; institutional memory and learning; professional ethics, accountability, and justice.
Public policy in support of climate change adaptation faces many obstacles. Future conditions are deeply uncertain; the various impacts of climate change are felt on different geographic and time scales, affecting different stakeholder groups in very different ways. The effectiveness of adaptation strategies is difficult to predict. An appropriate response may require interdisciplinary analysis, long-term planning and investment to a degree atypical of many government agencies.

This course focuses on interdisciplinary approaches to climate change adaptation at the local, state, and regional level. The course weaves together four main components: 1) fundamental concepts from environmental economics like public goods, externalities, and markets; 2) relevant analytic methods like multi-criterion decision analysis, uncertainty analysis, and risk assessment; 3) common policy mechanisms used to address climate change impacts; and 4) case studies of policy responses to issues like flood risk management, water scarcity, agriculture, and renewable energy systems.

Much of the course is designed as an introduction to robust decision-making, an iterative framework for decision support that leads to selection of adaptive policy options that are robust to a wide range of deeply uncertain future conditions. We will learn about a variety of tools used to facilitate the robust decision-making process, such as the Patient Rule Induction Method for cluster analysis, signposting, and multi-dimensional data visualization techniques.

Course objectives are to introduce students to the topical areas of climate change adaptation and long-range planning, to provide a multidisciplinary toolkit for analyzing uncertainty and tradeoffs between multiple competing objectives, and to facilitate effective presentation and communication of policy analysis results.
Summary:
Environmental and Ecological Engineering, in collaboration with other Purdue departments, schools, and programs offers a combined degree program in which a Purdue student can receive a BS degree, and with one additional year of study, a non-thesis Master’s of Science in Environmental and Ecological Engineering (MSEEE) degree. This is accomplished by dual-counting 9 appropriate course credits at the 500 level on the BS and MSEEE Plans-of-Study.

Student Eligibility:
- Undergraduate students on Purdue’s Main Campus currently in semester 6 (with two additional semesters yet to complete their BS degree) in Environmental and Ecological Engineering (BSEEE), Agricultural Engineering (BSAE), Biological Engineering (BSBE), Chemical Engineering (BSCHE), Civil Engineering (BSCE), Materials Engineering (BSMSE), or Natural Resources and Environmental Science (NRES).
- A cumulative GPA of at least 3.25 at the time of application, and continuance of achieving this minimum index though semesters 6-8.

Procedure:
In semester 6, students in the above listed programs interested in the MSEEE Combined Degree need to formally apply for graduate admissions to the MSEEE program. Information on the application procedure can be found at: http://www.purdue.edu/gradschool/index.html and located on this same webpage is an “Apply Now” link for initiating the necessary online application. The application process is identical to the regular graduate application process, except for three additional steps.
1. The student must submit as part of the application the “Purdue University Graduate School Combined-Degree Program Request” form. This is Form GS-27, available from the Graduate School online at: http://www.purdue.edu/gradschool/faculty/forms.html. This form must be approved (by signature) by the Heads of the participating Baccalaureate and Master’s degree (EEE) programs, before submitting (i.e., uploading) as part of the application. If the student is a BSEEE student, the Head of EEE will sign and date on both approval lines.
2. The Statement of Purpose essay should state clearly that the student is applying to the MSEEE Combined Degree program and provide the reason(s) for seeking graduate study under this Program, and any relationship to the applicant’s career goals.
3. In requesting Letters of Recommendation from references, it is very important that the student inform the references that the application is for admission to the MSEEE Combined Degree Program. Although all letters are solicited during the online application process (by the student providing emails of all references), the applicant is encouraged to provide all references with a copy of this information sheet, so that they are made aware of the Program and process.

Before the beginning of semester 7, the EEE Graduate Program will make a decision to accept or not accept the student into the Combined Degree Program by acting on the student’s Graduate Application. If the student is accepted, the student must identify before entering their 7th semester, an EEE faculty member to advise them; that is, to work with the student and the student’s current undergraduate adviser in graduate course selection for the student’s 7th and 8th semesters. The student’s complete record will be reviewed by the EEE Graduate Program at the end of semesters 7 and 8. It is required that the undergraduate cumulative GPA of at least 3.25 is maintained. If all conditions are not maintained, the student will not be permitted to remain in the combined degree program.

Students Enrolled in the Program:
- Must complete, during their Baccalaureate degree program, 9 hours of graduate courses (e.g., three 3-credit 50000 level courses). These graduate level courses will be added to the MSEEE Plan-of-Study and will be “dual-counted” for both the undergraduate and graduate degrees.
- Must earn grades of B- or better in all dual-counted courses.
- Must complete a non-thesis Master’s degree (9 dual-counted course credits + 21 additional MS course credits at the 500 level or above, for a total of 30 credit hours).
All normal MSEEE degree requirements must be satisfied, including (but not limited to) completion of six 1-credit five week EEE modules (six total credits) as part of the 30 credit course requirement. All rules of the EEE Graduate Program can be found in the Graduate Program Handbook (online at: https://engineering.purdue.edu/EEE/Academics/Graduate).

Degrees Awarded:
The appropriate BS degree will be awarded after satisfactory completion of the respective degree requirements. The student will have graduate status beginning in semester 9. A graduate Plan-of-Study must be completed before the end of semester 9 and must be approved by the EEE Graduate Program before registration for semester 10.

Program capacity:
The program will be limited to 24 total students in the combined degree program (years 4 and 5).
EEE Student Seminar

DATE: Thursday, April 28, 2016
TIME: 1:30 P.M.
LOCATION: Wetherill, Room 320

Angela Jenkins
Manager-Spruance Site Safety, Health and Environmental
DuPont Protection Technologies

“Know Your Worth”

TOPIC OF DISCUSSION

“When you refuse to settle for less than the best...the best tends to track you down.”
Mandy Hale

Do you know your worth? EEE has provided you a technical backbone for your career, but we also want to make sure you have the confidence to go out there and shine. Ms. Jenkins will cover negotiation, confidence in personal abilities, interviews and throughout your career, and more in regard to “knowing your worth”.

MORE INFORMATION ON MS. JENKINS

Ms. Angela Jenkins is currently the EH&S manager at DuPont Spruance site. This is the largest DuPont manufacturing site in the world. She has more than twenty years of experience in environmental engineering with positions of increasing responsibility starting as a technical (environmental engineering) engineer at DuPont. Prior to working at DuPont, she was briefly an engineer in the corporate environmental engineering and compliance group with Eli Lilly. Ms. Jenkins has two degrees from Purdue: a Bachelors in Chemical Engineering and a Masters in Civil Engineering with an Environmental focus.

She is also a dedicated Boilermaker, having served as Vice-President of the Civil Engineering Industrial Advisory Board at Purdue University, Chair of the Purdue University Black Alumni Organization Homecoming Committee, and member of both the President’s Council and University Diversity Steering Committee. Currently she is a member of the Environmental and Ecological Engineering External Advisory Council. She is a member of the Alpha Chi Sigma Fraternity, and volunteers her time to the Encampment for Citizenship, the YMCA Black Achievers program, as well as other charitable, social, and environmental initiatives. She also enjoys singing and has performed professionally in operas.