Fellow Chemical Engineers (ChemE’s):

Here it is, the very first issue of the Chemical Engineering Undergraduate Newsletter at the University of Delaware! What makes this publication special is that it is made by and for you, the ChemE undergrad. In this and the following issues, we present topics relevant to the ChemE Undergrad community with the goal of informing and advising those interested. Nonetheless, the purpose of the newsletter is not only to provide you with useful information, but to serve as a medium for communication between the different graduating classes, to carry the voice and character of the ChemE community outside the department and beyond, and most importantly, to provide everyone an outlet for respectful discussion and expression of ideas and opinions. These goals point to our mission, to disseminate the knowledge of everyone to everyone, thus creating a more informed and cooperative ChemE community.

We invite you to be a part of our mission, to be an active voice of our department. Feel free to write us your experiences, your thoughts, anything! Tell us what you’ll like to see more of, less of, etc. After all, this publication will only approach ideality when it carries your ideas.

-Mark Bedolla

Colburn (noun)
-Home
-Place for bonding, sharing and loving
-Place of hectic/copious work
-The perfect location to see the sunrise after an strenuous night with your JLab team
-The playground for semi-grownups
-The bedroom of the future, roommates included
-The capital of the Nerderlands

The Colburn Gazette offers its most sincere gratitude to Dr. Raul F. Lobo, who helped coordinate the publication of this newsletter, and to the Society of Hispanic Professional Engineers (SHPE) for its generous funding. For more information about SHPE please contact: shpe.udel@gmail.com

Questions, comments, concerns? Please contact us at ColburnGazette@gmail.com
Don’t know what to do this summer? Check out these short summer classes:

**ANTH 101 – Intro to Social and Cultural Anthropology**
Multicultural Breadth Requirement

**ENGL342 – American Literature since World War II**
Upper-level Breadth Requirement

**ENGL356 - Studies in Modern and Contemporary Literature**
Upper-level Breadth Requirement

**PHIL204 – World Religions**
Multicultural Breadth Requirement

- Joey Kim

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**CLASSES**

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**STUDY ABROAD**

If there’s one thing you must take advantage of while at the University of Delaware, it’s participating in a study abroad program. Throughout the year, almost every department has some type of trip all over the world where students can immerse themselves in a new culture for months and take important classes at the same time. The prices are unbeatable because the University can buy travel accommodations, housing, and excursions in bulk which significantly drives down the price of the trip for the students. Moreover, remember that your undergrad years will be the only time in which you can spend the entire summer/winter abroad with your friends without having to worry about work, research or family. Here is what people have to say about study abroad:

_I studied abroad in Australia with the English Department. I took an expository writing course, and an Australian film class. I had the best time of my life. I went scuba diving in the Great Barrier Reef, explored the outback on camels, went sky diving in Melbourne, went wine tasting in the Yarra Valley, and visited the countless beautiful beaches and sites on the Aussie east coast. There is so much to do in Australia that I never wanted to leave. Also the people in Australia are very friendly and approachable. I didn’t meet a single angry Australian for my entire month’s visit. Go, you won’t regret it._ —Aaron Reinecker

_I went on a study abroad trip to Argentina during my sophomore year and it was one of the best experiences I have had in college. The courses offered were ECON 332 (Public Finance and Public Policy) and ECON 367 (History of Argentinian Economic Policies), and both of these counted toward the breadth requirements that all chemical engineers must complete before graduation. The program cost of the trip was only $3,400 and that paid for breakfast and lunch every day as well as a few dinners along the way. There were multiple day excursions to banks, museums and other touristy locations as well as two weekend trips to Patagonia and the Iguazu Waterfalls._ —Doug Behrens

A complete list of trips currently offered can be found on the UD page at the following address:

[http://international.udel.edu/studyabroad/default.asp](http://international.udel.edu/studyabroad/default.asp)

[http://www.semesteratsea.org](http://www.semesteratsea.org)

-Doug Behrens & Aaron Reinecker
UNDERGRADUATE RESEARCH

Imagine being able to work with state of the art equipment, world renowned faculty, and best of all discovering new things on your own. Sounds exciting, doesn’t it? By participating in undergraduate research, you expose yourself to an environment where you can become a more independent researcher and a student with a more refined skill set than your peers. I strongly urge you to consider this opportunity.

Suggestions and Advice:
- Learn as many techniques as you can, graduate school and employers like students that know how to handle and troubleshoot equipment
- Become an expert on your field by reading the literature in your area - especially your group’s work.
- Make sure you’re in constant contact with your adviser/ grad student
- Unless you’re doing senior thesis there’s no reason to work during the semester, focus on classes
- Format your results as you get your data- it makes piecing together a story much easier once you start writing your thesis/publications
- If you didn’t like your first research experience, don’t feel obligated to stay with one professor/ project – see what’s out there ask questions and find what really interests you
- Have fun! Remember that this is a learning experience

-Andrew Kroetsch

FACT: “Facetiously” is the only word in the English language to contain each vowel once in alphabetical order.

INTERNSHIPS

Internships are extremely important for graduate school and future employers because it shows that you have the ability to apply the knowledge you have learned in the classroom to real life applications. Acquiring internships during the summer is extremely competitive, but Delaware students are highly sought after by employers. The best way to get internships and jobs is through on campus visits. UD does a great job of setting up career fairs with many employers each semester and students looking for employment should make a point to attend as many of these events as possible. In addition, the career services website, http://www.udel.edu/CSC/newbluehenjobs.html, lists a number of companies seeking summer interns.

If you know what field you want to work in, or even what company you are interested in, visiting their website and filling out an application online is also a great way to obtain employment. Most of the time company representatives at the career fair instruct you to do the same thing, but the personal contact with the company can go a long way if you make a good impression. Additionally, many professors our department have industry contacts. Talk to them, they are your best resource!

-Doug Behrens
TIP: Is your code getting out of control? In Maple, use a “Code Editing Region,” under the Insert tab. Write as many lines of code as needed and when you’re done, simply right click on it and press “Collapse CER.” Voila, your code will look tidier now.

New Undergrad Lounge!

UNDERGRAD LOUNGE

After nearly a year without one, Colburn has now a new undergraduate lounge! Thanks and kudos to the administration and particularly to Dr. Norman Wagner, Department Chair, for listening to our concerns. Complete with chalkboards, tables, and plenty of flying power outlets, this room provides the perfect place for studying and doing homework. The room also features a working telephone (calls outside the university can be made by dialing 9 first), wireless internet, and a couch for those all-nighters. The illumination is great and, except for the noise of the ventilation system, it offers a quiet and relaxed environment. Come and check it out at CLB 050, right next to the ECalc computer lab in the basement. Don’t forget to turn off the lights when you’re done!

Send us your comments and suggestions, what do you think about the new undergrad lounge? What would you do to make it better?

-Marc Bedolla

Calling all artists: The Colburn Gazette needs a logo. Help us design it! The best logo will receive $30 and will be displayed on all subsequent issues of our newsletter. Submit your designs to: ColburnGazette@gmail.com

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http://www.websudoku.com

ON THE NEWS

Congratulations to Mark Weidman, winner of the 2010 Goldwater Scholarship! This is what he has to say about his research experience:

The most important thing I learned from doing undergraduate research is to be more independent. It’s not like other jobs where you have a boss telling you exactly what to do. Research supervisors will help guide your project but ultimately it is up to you to design and conduct your research. Undergraduate research teaches you to make your own decisions and work in an unsupervised environment. The more you put into it, the more you will get back.

I would tell a student just starting research to pick a field that really interests them and try to become an expert on the subject. Attend conferences, listen to notable speakers, and present your results so you can get feedback from others in the field. Becoming involved in the culture of your research area will give you a better understanding, new ideas, valuable connections, and make the research experience much more fulfilling. Also, it is important to remember that it is still early in their research careers and if they find a new topic that is more interesting to them it is not too late to change. It’s good to try several types of research to find what you really enjoy.

-Mark Weidman