

Society of Women Engineers

DREXEL UNIVERSITY

WINTER 2018
QUARTERLY NEWSLETTER

Letter From Our President



Dear Drexel SWE family,

For those who I have not met yet, my name is Kristine Loh and I am honored to serve as this year's Drexel SWE President. I became involved in SWE during my first term at Drexel as Outreach Chair and soon became Outreach Director. As Outreach Director, I have grown to love SWE, K-12 outreach, and inspiring those around me to pursue careers in STEM. SWE has given me my voice, and I hope SWE can be an integral part of your collegiate career as well. It's never too late to be involved in SWE, and we always have exciting events going on!

This past term, we had over 25 incredible events, such as our first Engineering Salsa Night and our Professional Mentorship Dinner. We also won 3rd Place in Drexel University's first ever Homecoming Week competition. (Go Dragons!) Our 7 committees have been working hard to host events that help our members grow both personally and professionally. We aim to organize a variety of events that cater to everyone's interests, from mental and physical wellness to networking with other organizations on campus.

Next term, we have some exciting events to look out for! 10 engineering organizations on campus (SWE included) will be collaborating to host the first annual Engineering Luncheon to bring together current students, alumni, and company representatives. This event will be a great opportunity to network and enjoy some awesome company! We will also be working with the Philadelphia Section of SWE at this year's Philly Science Carnival on April 28! Last year, the Carnival attracted 55,000 attendees so I can assure you that this year's Carnival will be just as extraordinary, if not more.

I am very excited for all of the amazing events and successes to come this year! I hope that you can take advantage of all that SWE has to offer.

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Membership Committee

GBM's

Our first event of the term was GBM 1, which was a huge success. We had an incredible turn out of our members as we gathered to introduce our new officers and discuss what each of our committees had planned for the quarter. As always, this provided a great opportunity for members to learn more about what events will be held during the quarter and to meet and get to know their fellow SWE members.

GBM 2 also had great attendance from our members. Following our presentation on past and upcoming events, we were very excited to have Jesse Krohn from the Office of Equality and Diversity as a speaker. Jesse spoke about the resources available on campus for those who have faced any type of discrimination, harassment, or assault, whether in the classroom or in the workplace. She was joined by co-op coordinators Michelle Spina and Maura O'Connor from the Steinbright Career Development Center, who also provided information on resources on how to handle and report any issues that arise in the workplace. These speakers answered questions our members had and provided incredibly valuable resources to our members.

Spa Night

Our final event of the term was Spa Night, which was a collaboration with the Wellness committee. As finals week approached, this event aimed to promote mental wellness and provide the members a chance to relax and spend time with one another. Members enjoyed waffles, colored, and did face masks, all while taking a break from studying and getting to know other members better.



Members enjoying some dinner and company as they learn about the different SWE committees

Wellness Committee

Yoga

Wellness had two events this past winter term. Both had a mental wellness focus as during the winter months, the dreary weather and lack of vitamin d from the sun can be a big damper on motivation and positive vibes.

Yoga was our group exercise class for this term. This class was based on yin practice which is more relaxing and meditative yoga flow. Brenda, our wonderful teacher, helped members find their center and to stretch out any stiffness. The methods practiced during this session could be incorporated on a daily basis for members who find taking a break to just close their eyes and take a mental step back often helps their stress. This class also discussed different methods of getting into yoga! If you're interested, the Drexel classes are free and offer different practices (vinyasa is more core intensive, yin is more meditative and stretching). You can always continue your practice through youtube, podcasts and different yoga classes (free at the Art Museum or studios throughout the city) as well!



SWeeties relax and meditate during yoga

Outreach Committee

Materials Science & Engineering Day

On February 3, Drexel held the Materials Science & Engineering Day, a showcase of various activities and demonstrations of the wonders of Materials Science! SWE had sessions going on throughout the day where we taught all the attendees to make lotion. Making lotion is very simple, it just takes water, oil, and something to bind the two: an emulsifier. The young students were able to see the emulsion occur right before their eyes, plus they got to take some homemade lotion home!



Mother and Son bond while making some lotion

Engineering Night for Girls

Engineering Night for Girls was held on February 13 at North Penn High School in Lansdale Pennsylvania. The goal of this event was to co-host an event alongside the North Penn STEM department that would introduce middle school girls to engineering. SWE had members come to run four different demos, focusing on mechanical engineering, electrical engineering, chemical engineering, and civil engineering. The middle school students had about 25 minutes to rotate through each of these demos, where SWE members would explain, show, and then help the students in the completion of the demo. At the end of the night, everyone came back together for a good final presentation and group photo!



North Penn STEM students and faculty learn about the different engineering fields

Outreach Committee

Lockheed Martin FuturesFest

For this event on February 17, SWE teamed up with Lockheed Martin to provide an introduction to varying engineering fields, namely Civil Engineering, Electrical Engineering, and Mechanical Engineering. Engineers from Lockheed Martin gave a presentation on the company and what it is like to be working there in Robotics and in Biomedical Engineering. Afterwards the students had the opportunity to do the rotations of activities, including a special demonstration by the Lockheed Martin engineers about robots controlled by your own hands. Overall, the students learned a lot and gained some insight into real world engineering.



Students work on a robot controlled by hands

Introduce a Girl to Engineering Day

Drexel had their annual Introduce a Girl to Engineering Day on February 24. This event is always super fun for both us college students and the girls who attend. Different engineering organizations from across Drexel came together to create an event that showcased all different types of engineering. SWE had Electrical and Mechanical Engineering demonstrations, where we taught attendees how to use breadboards, how to make some aerodynamic, and we showed them that their own bodies can carry current. The girls had so much fun at table at the event!



Girls watch a demo showing what electrical engineering is all about!

Networking Committee

Freshmen Mentorship

On January 19, the networking committee started the new term with a mentor/mentee ice-skating night. 12 students went to the ice rink at Penn's Landing to skate their night away! The first time ice skaters got help and encouragement from the rest of the group. It was a perfect bonding experience as mentor/mentee pairs got the opportunity to talk about their winter breaks. On March 1, mentors/mentees came to the the SWE Office for a night of aromatherapy. They made their own bath bombs from scratch using a simple recipe. Everyone helped each other perfect their bath bomb recipe and gave suggestions on best colors and scents to use. The SWE Office was full of good scents and friendship. The event offered the perfect break from midterm stress.

Professional Mentorship

On February 7, the networking committee hosted a dinner for the members of the professional mentorship program. It was an Italian pasta night catered from Maggiano's Little Italy. 20 mentees and 3 professional mentors attended the event and they all got the opportunity to talk about their favorite memories at Drexel. Moreover, mentees got resume tips and advice from mentors. The night of networking concluded after two hours and members said they are looking forward to similar events in the future.



Mentors/Mentees bond while making bath bombs from scratch

Professional Development Committee

Penn State ARL Info Session

On the tenth of January, Penn State's Applied Research Laboratory had employees speak to members about what the research center does and what they look for in a co-op employee. The ARL had past co-op students talk about their specific experiences and how each of them was given the opportunity to work on research that he or she felt compelling and interesting. In the end, the professionals from Penn State's ARL gave students who brought their resumes feedback on how to improve and make his or herself more appealing to engineering companies.

Goals & Visioning Workshop

The Goals and Visioning workshop was held in collaboration with the Center for Scholar Development on February 5th. Martha Meiers helped lead members into making short-term and long-term goals and brainstorm ways of how to viably reach each one using resources around campus. Members had fun sharing apps and habits that worked for them while bonding over similar goals and experiences

Professional Attire ft. LOFT

We collaborated with LOFT to conduct a professional attire workshop. It was a fun way for members to learn how to dress for co-op interviews and an everyday work setting. The event was held at the LOFT in Center City on January 13th where LOFT hosted us with different styles picked out for every color pattern and occasion. After some fashion advice, members were able to walk around and browse for items, those who wished to purchase anything were offered a discount code or snagged a great deal!



SWEeties strike a pose after a spree at Loft



Showing off short and long term goals

Advocacy & Inclusion Committee

Engineering Resources for the Underrepresented

The Advocacy & Inclusion committee hosted two informative events for the winter term. The committee focused on creating events that would help in the success of engineering students that are in minority groups.

The first event that was held this winter term was “Engineering Resources for the Underrepresented.” For this event, the engineering liaison librarian, Jay Bhatt, served as a guest speaker. Jay Bhatt presented an informative PowerPoint that consisted of resources for undergraduate students. This PowerPoint provided resources ranging from free textbooks to possible scholarships for different minority groups. This presentation was then posted on the SWE page for the advantage of other SWE members that were unable to attend this event. This was overall a successful event and engineering students with no doubt grasped new knowledge that will be helpful in the future

Life after OPT.

The second event that was held was in collaboration with International Student and Scholar Services, or ISSS. This event was called, “Life after OPT.” Held at the department building, Emily M. Cohen, a lawyer at SDG, an acclaimed immigration law firm, delivered a presentation about possible paths that international students can take after the optional required training, or OPT. Donuts were served as international students in engineering carefully listened to the insightful comments that were given by Cohen.



Librarian, Jay Bhatt gives audience resources for different minority groups

Public Relations Committee

An Evening with Secretary Richards

Thanks to Drexel's co-op program- we were able to invite the Pennsylvania Secretary of Transportation to speak to SWE! Secretary Leslie Richards is the first woman to head PennDOT- the 5th largest DOT in the nation. She shared her career path and highlighted the importance of civic engagement; and was delighted to hear about our HeForSWE campaign. We gave her a pin and she put it on immediately! This was a phenomenal networking opportunity and we hope to host the Secretary again soon!



Victoria (PR Director), Secretary Richards, and Kristine (President)

Drexel Homecoming

This year, for the first time, Drexel hosted a Homecoming Competition Week. The competition consisted of quizzo, a variety show, battleship, window decorating, and overall spirit; and the teams were different student organizations. With one of the smallest teams competing (midterms got in the way), SWE won 3rd place overall! Former Treasurer and graduating senior Madison Kierod represented SWE in the Variety Show. She performed an original song based on life as a Drexel student. At the end of the week, both the men's and women's basketball teams won against Northeastern! We can't wait for next year!



Members at the Variety Show - SWE got bronze!



Our Quizzo team came in 2nd place!

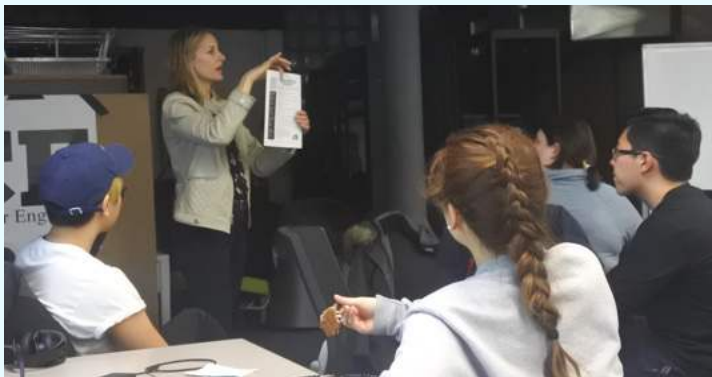


Window results weren't announced- we assume we got 1st!

MISWELLANEOUS

HeForSWE

This term's HeForSWE Advisory Meeting discussed the #MeToo movement. We shared stories submitted by our members of their experiences with harassment and assault and had a discussion about what steps we, as advocates, should take to reduce and eliminate the occurrence of such events. We had an incredible number of our HeForSWE members join us for this discussion, including Anthony Gold, the COO of RoarForGood, and representatives from Drexel OED. We look forward to continue these important discussions at future advisory meetings! Sign up at drexel.swe.org/heforswe



Students discuss various #MeToo stories

Scilow

In February we had the joy of helping Lauren Christensen, a freshman SWE member studying biomedical engineering, bring her event to life. In her senior year of high school she started planning Scilow: a science seminar for woman. 6 established Ph.D's and physicians shared the stories of their academic and professional paths- the highs and lows- and provided invaluable advice such as how to pick a mentor, red flags to look for when working, and how to keep your motivation up. Lauren has expressed interest in organizing even more seminars and panels; stay tuned to see how our Lives & Lessons seminar grows to include her ideas. **If you have an event you'd like to host please reach out to us!**



Lauren setting up in Bossone

Engineering Salsa Night - Feb 14

On Valentine's Day, SWE hosted our first Engineering Salsa Night! We collaborated with Drexel Salsa, NSBE, SASE, and SHPE to host a fun networking event with DJ and dance instructor, Kevin Ngo. Kevin taught our group both Bachata and Salsa. It was a great opportunity for SWEeties to meet other engineers and get their groove on. We look forward to more collaborations with Drexel's engineering organizations in the future!

Study Abroad Info Session

On January 29, a dozen SWE members gathered to learn more about the Study Abroad process and options available for engineering students. The session was led by Lauren Steinberg, Drexel Study Abroad Advisor, who told students about how to apply and which programs are more suited (or even exclusively for!) for engineers. Many students seemed interested in starting an application, and had the perfect opportunity to ask questions to an advisor and a past study abroad student and SWEetie, Madison Kierod. We want you to know that just because you are an engineer, it does not mean you cannot study abroad! If you are interested in Study Abroad, visit their website at <http://drexel.edu/studyabroad/> for more information!



Officer Retreat: Skyzone

Our officer board had a great time being ninja warriors and dodgeball champions at our Sky Zone retreat this term! We all had a lot of fun de-stressing and getting to know each other. We finished off the retreat with brunch at Landmark and enjoyed good food and good company.

SWEeties pose before a fun day of jumping!

SPONSOR SPOTLIGHT

Testimonial from Danielle Schroeder, 2016 Drexel SWE President



While I was at Drexel, my second co-op was at Pennoni Associates in the Transportation Division. While working at Pennoni, they understood the investment when I had to miss work to attend SWE conferences as well as even wrote letters of recommendations for my applications including Philadelphia SWE Scholarships and for my Outstanding Collegiate Member Award for society level SWE. There are

also so many positive female role models at Pennoni, including my division manager, who knows my potential and pushes me to reach my goals both in and out of the workplace. Now as a full-time employee at Pennoni, I can assure you that they support diversity and inclusion in the workplace and even supported me to attend this year's national conference which you can read more about here: <https://www.pennoni.com/who-we-are/noteworthy/pennoni-co-op-turned-full-time-engineer-speaks-at-world-s-largest-women-s-engineering-conference>

Pennoni has provided me a strong foundation (no pun intended) on which to begin building my career and is truly a fantastic place to work!

You can learn more about Pennoni, it's over 1300 employees in 34 different offices here: <https://www.pennoni.com/why-work-here>. To see any current jobs opportunities, please visit <https://www.jobs.net/jobs/pennoni/en-us/>

SPONSORS, COLLABORATORS, & SUPPORT

Drexel University Society of Women Engineers would like to thank the following organizations:

SILVER LEVEL SPONSORS: LOCKHEED MARTIN & PENNONI

Lockheed Martin works on creating new technologies in the aerospace and defense field. As a part of their commitment to women in STEM, Lockheed Martin released a pilot project called Girls Inc. which connects Lockheed Martin volunteers with girls aged 9-12 to increase their interest and confidence in pursuing a STEM career. We would like to thank Lockheed Martin for sponsoring and supporting Drexel Society of Women Engineering in their efforts to further their support for women in STEM. Look out for event collaborations in the near future!

Pennoni works on creating strong, innovative structures for a variety of applications in the civil, environmental, mechanical and the structural field. Pennoni actively works towards diversifying the engineering field by taking part in helping organizations that empower and give women the tools to take on challenging tasks in the STEM field. We would like to thank Pennoni for sponsoring and supporting Drexel's Society of Women Engineers. Look out for collaborations with the company in the upcoming year!



EVENT COLLABORATORS

- GoogleNYC
- Johnson & Johnson
- University of Pennsylvania
- Merck
- Comcast
- Langan
- Boeing
- 3M
- GEt

DREXEL UNIVERSITY SUPPORT

- Drexel Mechanical Engineering & Mechanics Department
- Drexel College of Engineering
- Drexel University CAP (Commission for Activities & Programs) Funding

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