

SWE NEXT



In This Edition

- Register for a STEM Competition
- Watch and Rank our SWE Collegiate Videos
- Learn About Civil Engineering and an Industrial Engineering Student
- Apply for SWENext DesignLab Awards
- Find out About Mentors
- Meet a SWENext Award Winner
- Try our Social Media Challenge

Register for eCYBERMISSION STEM Competition

If you are a 9th grade SWENext, don't forget to [register as an eCYBERMISSION participant](#) by **December 13** for this STEM competition! Find out more about how SWE can [help fund your team through a micro-grant program](#).

Rank Videos from Our Collegiate Sections

SWE asked our collegiate sections to make a video for SWENexters about their college, engineering department, and what makes their school great. These will be compiled into a library for SWENexters to help them choose a college. We need your help to decide which of the top three submissions is best! This [short survey](#) will give you an opportunity to view the three submissions SWE members liked most and to rank them, with #1 being the best.

[Take the Survey Today >>](#)

Day in the Life of a Civil Engineer

Civil engineers make a difference in our everyday lives by designing the roads and bridges we drive on, monitoring traffic patterns to keep us moving, and many other ways.

Kelly Fearon is a Civil Engineer in Tampa, Florida. Find out more about her job, how she got to where she is now, and how you can #BeThatEngineer on SWE's Blog [All Together](#).



Kelly, second from the left, at the 2017 World Rowing Championship with some of her team from the transportation planning group.



Day in the Life of an Industrial Engineering Student

Industrial Engineers create processes and systems that improve quality and productivity while eliminating waste. They devise efficient systems that integrate workers, machines, materials, information, and energy to make a product or provide a service.

Brianne Bujonowski is currently a student in Industrial Engineering. Learn more about how she got to where she is now on SWE's Blog [All Together](#).

Importance of Adult Advocates

No matter how old or how experienced we are, it's always important to have a mentor. Mentors can help us learn things about ourselves we may not be able to see on our own. Mentors can provide guidance, share knowledge from their own experiences, and



connect us with others who have similar interests.



In the STEM field it's especially important to have adult advocates who can help you discover different types of engineering and projects that are out there. Maybe your parent or a close relative is an engineer; ask them to tell you more about what they do! Perhaps you have a science teacher who has connections to local engineers or STEM opportunities for you.

Another great way to find STEM adult advocates is through your local SWE section. Find the SWE section nearest you by using this [SWE Section Map](#). There is also an organization called [FabFems](#) that matches students to women who work in the STEM world. There are so many resources available to you; find your advocate today!

SWENext Global Innovator Award Recipient

Congratulations to Esther Koh, one of the 2017 recipients of the Global Innovator Award! Esther is passionate about Biomedical and Genetic Engineering and has had the opportunity to conduct independent research. Learn about how she's worked to build more interest in engineering among other girls by watching her submission video.



Keeping up with SWENext DesignLab

Are you excited for the upcoming SWENext DesignLab season? SWENext DesignLab is a part of SWE's WE Local program that will also offer an awards event and other cool activities for high school girls. Keep your eye



on this section of the SWENext newsletter each month for SWENext DesignLab updates and announcements.



In the meantime, gain additional details about the SWENext Northrop Grumman Community Award from our SWENext Reporter!



2018 SWENext DesignLab Awards Program

- [Apply for the SWENext Northrop Grumman Community Award in Tulsa before January 6](#)
 - [Apply for the SWENext Northrop Grumman Community Award in Phoenix before February 3](#)
 - [Apply for the SWENext Northrop Grumman Community Award in Milwaukee before February 17](#)
 - [Apply for the SWENext Local Innovator Award in all five SWENext DesignLab cities](#)
-

SWENext Social Media Challenge

Industrial Engineers find ways to eliminate wastefulness in production processes. While these type of engineers often do their improvement work in manufacturing plants, all of us perform “processes” every day at home, too.

All of us at SWE are challenging you to work with a parent, guardian, or sibling to make a process you do at home more efficient. Take a picture of the improved process and share it with us! Submit your #SWENext #ImprovedProcess photo by sharing it in our [SWENext Facebook Group](#) by **December 22**. The winning SWENexter will receive some really cool SWENext swag!

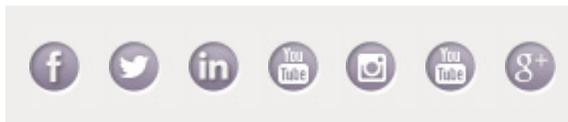


Example: Erica wants to make sure she has all of the toiletries she needs without overcrowding her storage closet. She recently stocked up on bathroom items so she has one of each of her toiletries in use in the bathroom and only one extra of each in the closet. Once she needs to open up the extra item, it immediately goes on her shopping list so it is replenished quickly.

Not a Member of Our Closed SWENext Facebook Group?

It's easy to sign up! [Visit here](#) and click "Join".

This is a closed group, just for SWENexters in high school and collegiate SWE members, to discuss college readiness, being a woman in a male dominated field, and the benefits of being part of SWE (and to participate in contests).



130 East Randolph Street, Suite 3500
Chicago, IL 60601
www.swe.org | #BeThatEngineer

The purpose of this email is to publicize a program or activity sponsored by the Society of Women Engineers (SWE). You are receiving this email because you are either a SWE member or have an affiliation with SWE. [Unsubscribe](#)

