



WARE Lab

Parker Jones
He/His/His
Mechanical Engineering

As many of you may be aware, there are tons of opportunities to get hands on engineering experience outside of the

classroom here at Virginia Tech. For instance, there are tons of engineering clubs, research opportunities, design competitions, and design teams.

The Ware Lab is one of the buildings that you all went through during the Blacksburg Expedition and it houses 10 undergraduate design teams. Here is a quick recap of some of the teams and don't be afraid to reach out to any of the team leads or go to their bay in the Ware lab if you have any questions or are looking to join a team!

Formula SAE: The team mission is to "conceive, design and fabricate a high performance formula-style racecar". Formula has consistently placed top ten in international competitions and in 2017 they placed 5th in Lincoln, Nebraska. They have also recently added a fully electric vehicle to the team.

AISC Steel Bridge: With every year, the Steel Bridge team begins the design and construction of a scaled-sized bridge made out of structural steel. They go to an annual competition and in the past has held competitive spots on the national level.

Astrobotics: Astrobotics create a fully functional robot that is able to complete a specific task. For instance, in 2018 they

competed in NASA's Robotic Mining Competition and the challenge was to build an autonomous robot that could mine the surface of Mars.

Baja SAE: Each year, Baja SAE designs and builds an off-road vehicle. Baja goes through the cycle of designing, building, promoting, and finally racing their vehicle. With every year, they learn how to improve the previous design and implement that into their new vehicle.

Design Build Fly!: Design Build Fly! designs, builds, and flies remote controlled planes in competitions hosted by well known organizations such as Cessna and Raytheon. Team members are able to help with wind tunnel testing, CFD and CAD, composite layups, and much more.

BOLT: BOLT takes a stock gas motorcycle and convert it into a fully electric racing motorcycle. The gas motorcycle is stripped of the majority of its components and then parts are manufactured and ordered. BOLT also competes in races with their completed bike, with BOLT III placing second in its first race.

ASCE Concrete Canoe: The Concrete Canoe team builds a full-size and fully functional canoe by using a special concrete mix. They compete annually all over the United State and they event participate in endurance races and sprints with their canoe!

There are even more teams in the Ware Lab so just google "vt ware lab" and click on the first link to see even more opportunities and details about getting involved!

Engineering Greek Life



Aashi Agarwala
She/Her/Hers
Chemical Engineering

Are you looking to join a sisterhood or brotherhood that will professionally connect you with a network of engineers

for life? Do you want to join an organization that will help you meet more people in your major? Are you looking for a fun and easy way to get more involved on campus and to give back to your community? Think about rushing for a Greek Organization! Specifically, think about rushing for **Alpha Omega Epsilon, Theta Tau**, and/or **Sigma Phi Delta**. All of these are professional engineering Greek organizations! They are all similar to Galipatia in that you get a lot of academic support to pursue engineering and professional help to develop your engineering career. Joining one of these organizations is a great way bond with other engineers as well!

Alpha Omega Epsilon (AΩE) is a professional and social engineering and technical science sorority. The majority of the girls are in engineering; however, technical science majors are welcome to rush as well! AΩE only does Spring rush meaning that you can only join the sorority spring



semester. However, they do also have fall recruitment events this semester where you can go out and meet the different sisters! There are quite a few mentors who are involved with AΩE, so reach out to them if you have any questions! Be sure to check out their Facebook page and website: <http://www.aoe.org.vt.edu/>.

Theta Tau (OT) is a co-ed professional engineering fraternity. All engineering majors (included general engineering) can rush. Theta Tau hosts many professional and service events and promotes a strong brotherhood! They do both fall and spring rush; however, their fall open rush just ended, so you are going to have to keep your eyes out for them in the Spring if you are interested in rushing! Check out their website for more information: <http://www.thetatau.org.vt.edu/>



Sigma Phi Delta (ΣΦΔ) is the professional and social engineering fraternity! Their philanthropy is Cookout for the Community, which supports the New River Community by providing clothing and shelter for the homeless! They host many events to promote professionalism and the strong brotherhood. Their Fall open rush just ended, so be sure to check our their website (<https://www.spdvt.com/>) or Facebook page in the Spring for the spring rush details!

