The Villanova Rocketry Team recently had a successful launch at the Maryland Delaware Rocketry Association! The team launched a Level 1 High Powered Rocket and became certified with the National Association of Rocketry.

Villanova’s rocket, dubbed “The Wildcat” reached an apogee (maximum height) of 2276 feet and deployed its parachute shortly after, allowing the team to recover the entirety of the rocket. This is a stepping stone towards building larger rockets and including payloads such as GPS, cameras, and other measurement technology for competing in national competitions against other universities in the future!
AIChE hosts one virtual alumni networking event per semester, along with other events to collaborate with peers. If you didn’t get a chance to attend the Fall alumni networking event, stay tuned for information on the upcoming one in the Spring! In addition, a volleyball or other sports tournament will be arranged for the Spring semester. If you’d like to receive email updates, please email aiche@villanova.edu. We hope to see you at our upcoming events!
In the last few weeks of October and first few weeks of November, the American Society of Civil Engineers (ASCE) has been working to engage its members by offering different events and activities to participate in. ASCE hosted an event with Bohler, a private land development consulting firm with offices up and down the east coast, in order to give an overview of the company and offer key networking opportunities for students. In the upcoming weeks, ASCE is working with a few companies to host a variety of events, including ARCO Design/Build Industrial, who is hosting a site visit at one of their current projects for students to be able to gain a more real sense of what an active job site looks like. Some of the other upcoming events include a virtual happy hour with Bohler, and a Resume Review with Turner Construction. In addition to these events, Villanova ASCE has been trying to engage both within the Villanova community and beyond it. ASCE helped host a tent with the Civil Engineering Department at the on-campus Tent-or-Treat, hosted a table with coffee and donuts on National ASCE Day in CEER, and are currently organizing an order of Civil Engineering Apparel for students and faculty to purchase and represent the College of Civil Engineering. In addition, ASCE is hoping to participate in a service day off-campus in the Spring as well as the Sustainable Solutions Project hosted by the ASCE Student Conferences and Competitions. All of these details are communicated to our members through the ASCE weekly email as well as the ASCE GroupMe that many of our members have easy access to. For more updates and information: follow ASCE on Instagram @villanovaasce, join our VUGroups page or email us at asce.villanova@gmail.com.
ASME is planning for a Beetlebot Competition on December 3! They are looking for enthusiastic volunteers to help participate and help run the competition. For more information, please contact Samuel Thomas via email: sthomas34@villanova.edu.
Towards the end of the fall semester, the amateur radio club continues to look into providing access to its club members to our remote radio station. Thus far, most club members have gotten acquainted with a simple text-based communication method called FT8. Improvements toward the station may also be made during the winter to introduce extra station coverage on certain radio frequency bands.
The CubeSat club is delaying our balloon launch, but we will soon be finishing our new CubeSat simulator. We were also able to participate in the Tent-Or-Treat event and won the tent decorating contest!
ESC is working on planning future events for the engineering community at Villanova University. They participated in Tent or Treat and Fall Fest which was an amazing time to connect with fellow Villanovans and the community. ESC is planning on also continuing internal events for their members such as general body meetings and social events. Follow ESC on Instagram @escvillanova!
Over the last few weeks IEEE hosted both the Spooktacular Soldering workshop soldering blinky jack-o-lanterns just before Halloween and more recently an introduction to SOLIDWORKS through designing spur gears and assembling them to turn rotational motion to linear motion. Looking forward, we are hosting a Christmas tree soldering workshop on Friday, December 3rd from 5-7pm in Tolentine, so look out for the link to sign up! You can also keep an eye out for a web-scraping and automation workshop in both Python and JavaScript, and much more coming next semester.

We also ask you to look to our last email for scholarship, award, and community service opportunities. If you are interested in getting involved, please sign up through VUGroups, follow @villanovaieee on Instagram, and email ieee@villanova.edu with any questions you may have. IEEE wishes you all a happy Thanksgiving break!
ITE is the Institute of Transportation Engineers and is an international association of transportation professionals responsible for meeting mobility and safety needs. The Villanova branch of ITE focuses on speaker events from professionals, transportation-related field trips, and community networking with fellow engineers. ITE plans on planning and hosting more events this semester for engineers passionate about transportation. If you are interested in joining or in having an officer position, please contact: nkwak1@villanova.edu.
NovaCANE

NovaCANE club is ramping up to start in person trips this semester following a successful clearance meeting to get all members ready to serve. Our Exec Board also met with Keith Argue this month to make headway on our NovaCANE website and are excited to have our first version ready for launch by the end of this semester or late next semester!
The NovaRacing team has had a successful fall semester and we are in the full swing of manufacturing. We are on track to have VU13 up and running by winter break so we can have a full semester to test and make improvements before we compete in May. We'd also like to extend a special thank you to VR3 Engineering for welding our chassis! Without them, there is no way we could build a new car in one semester.
From November 12-14, NovaNSBE attended the annual NSBE fall regional conference. Held virtually over zoom, attendees got to meet with companies such as Amazon, NASA, Microsoft, and more to explore career opportunities. Attendees also took part in workshops tailored to crafting the perfect resume and what to do when landing a job interview. NovaNSBE has also been hosting our weekly Study Sessions which give members access to meet new people and get help with their work. We host them in Tolentine 305 on most Tuesdays. Please come if interested! We hope to have our final Christmas party celebration some time right before finals so be on the lookout for that as well!
NSPE

NSPE is currently planning to host its first major event next semester in January! Please look out for that. Any questions or concerns, please contact Diego at dadames@villanova.edu
Omega Chi Epsilon

Omega Chi Epsilon (OXE) is the Chemical Engineering Honors Society, which is a club for all Chemical Engineers with a GPA of 3.5 or higher. The first event for OXE is the induction ceremony for new members of OXE (either sophomores who got a 3.5 freshman year or upperclassmen who increased their GPA). This ceremony rewards them for their academic success. The main events for OXE are study sessions for each grade for tests and projects in the main Chemical Engineering courses. These study sessions are open to all Chemical Engineers and members of OXE must go to 2 or more of their grade's study sessions to remain in OXE. This society focuses on promoting academic success and helping students do as well as possible in their courses.
PEERs

CEER PEERS are always available and eager to help during office hours in the lounge CEER 101. This past month, we hosted an ice cream social to provide registration advising and an event to help first-years apply for the match program and summer internships. Be on the lookout after Thanksgiving break for our last event of the semester, a de-stress social for finals week. In the meantime, please feel free to stop by for engineering help!
Pi Tau Sigma

Villanova’s Pi Tau Sigma is an organization of mechanical engineering upperclassmen that tutor younger mechanical engineering students. We tutor a wide variety of courses ranging from Statics to Dynamics and Heat Transfer. Our members are dedicated to helping fellow mechanical engineers succeed. We will be hosting a studying for finals event in December. We are also looking forward to inducting new members in the spring semester! If you’re looking for tutoring email us at: VUpitausigma@gmail.com.
This month we had many events and activities. At the beginning of the month, we hosted a resume review session with a Career Center member to prepare for the National Conference. Many members attended the National Conference, where they met with companies and talked to recruiters about potential internships and employment. Additionally, we had two General body meetings. In the first meeting, we talked about course registration and painted pumpkins. Then more recently, we decorated stockings for the holidays and had onigiri. Finally, with finals right around the corner, we have several study rooms booked throughout the weeks leading up to finals.
SHPE

SHPE has been getting more involved in setting up its members with internship opportunities, virtual events hosted by engineering companies and additional recourse for various aspects of the engineering industry. It is notable to mention that SHPE recently participated in sending six of its members to the SHPE National Convention in Orlando Florida. At this National convention the members were able to participate in interviews, networking events, special invitations by companies and had the opportunity to speak to 100+ companies and organizations from across the country. A special congrats goes to senior Marco Vazquez for accepting a full-time position at L3Harris and sophomore Andrea Cabot for accepting an internship at Mortenson this summer. SHPE at Villanova continues to be a place where students can find opportunities for their future and careers. Before the end of the semester SHPE will be having a Christmas/Holiday themed get together to allow students to relax and hear about each others’ ideas and experiences within engineering student life and career pursuing life.
Since that last inquirer, we have filled our committee positions and our professional development chair vacancy. We recently held our second general body meeting of the semester with impressive attendance. We also came together with NOVACANE to cohost the hot apple cider booth at Special Olympics in O-Town. It was very popular and we ended up needing to leave early because we ran out of all our supplies, which had accounted for 240 visitors to our table. In the coming weeks, we will be hosting a Fall party for your members to bond with snacks, activities, and fall movies. We also hosted a career compass approved SWE alumni panel, which we got a good turnout for. The professional development committee was able to set a date for the annual networking dinner, which they have been working to plan. The dinner will take place in March. Our service committee is in the process of planning a STEM kit assembly event in which STEM kits will be provided to elementary and middle school girls who might otherwise not have access to exploring STEM. We are very excited to see what the coming weeks have to offer our members.
Tau Beta Pi

Tau Beta Pi (TBP) is very happy to report of the initiation of 37 new members to the society, which occurred on November 10th! We were very excited to bring everyone together for this wonderful event & were excited to host our first social event afterward featuring Insomnia Cookies. We look forward to continuing to get to know the new initiates & bringing the larger organization together in some upcoming scholarship & social oriented events!