AIAA

**Villanova University Branch:** AIAA members saw much success last year and will continue to compete in national competitions and work on projects that enhance our member's knowledge of aerospace concepts and, in some cases, provide a hands-on learning experience. Members of a joint university (Villanova, Drexel, Rutgers) team worked on the NASA RASC-AL design competition, making it one of 16 national finalists! https://www1.villanova.edu/villanova/media/pressreleases/2021/0408.html The team presented to NASA at a virtual forum and finished top 4 in their category. The group, alongside new freshmen talent, is competing again this year with a new mission concept. In addition, branch members worked on building a high-altitude balloon in collaboration with the Cubic Satellite club. The balloon reached an impressive 105,000 ft and took pictures of the Villanova campus and the edge of space. The branch would also like to congratulate the MechE Senior Capstone team, who made it through to the final round of AIAA’s Design, Build, Fly competition. A new team will be competing again this year, and we wish them the best of luck! Another event that saw success was the AIAA Careers in Space Panel, where aerospace industry alumni from Blue Origin, Lockheed Martin, NASA, Boeing, and other companies spoke about their experiences to a virtual crowd of 120+ attendees. Finally, AIAA members began a rocketry team last year, which launched a level 1 high-powered rocket to an altitude of 2,350 ft. They hope to reach new heights this year by competing in the Spaceport America Cup with Rutgers University.
In the last few weeks of August and the first few weeks of September, the American Society of Civil Engineers (ASCE) has increased our membership by recruiting freshman and sophomore civil engineering majors who were not yet a part of ASCE. ASCE hosted a table at the involvement fair for students to sign up and learn more about the organization and its benefits for members. ASCE is also planning to start sending out weekly emails again to its members. These emails will provide information about different events and opportunities that are offered throughout the semester and engineering opportunities in the area supplied by other organizations. That information includes scholarships, training programs, National ASCE member information, and application options to get more involved with ASCE. In the coming weeks, ASCE will be hosting a few different virtual events with companies like Bohler, Turner Construction, and more. Villanova ASCE is excited to be back on campus for Fall 2021 and has much planned for this semester. For more updates and information: follow ASCE on Instagram @villanovaasce, join our VUGroups page or email us at asce.villanova@gmail.com.
ASME

ASME has our first welcome back event next Wednesday, 9/22, where we will welcome returning members and welcome new members. We will have a presentation on what ASME is and what we have planned for this year, a paper airplane competition, food, and music during this event. If there are any questions, please feel free to reach out!
CubeSat

The Villanova CubeSat Club is an excellent place for students looking to get involved with small projects with a significant impact! The club’s ultimate goal is to launch Villanova’s very first Cubic Satellite. Still, there’s a massive range of exciting projects to broaden your understanding of space communication, 3D modeling, project planning, electronics, programming, and much more—email Christy (cammon@villanova.edu) with any questions about how to get involved. Meetings are at 7 pm on Thursdays with in-person and online options. There are occasional meetings outside of these times.
To kick off the new school year, ESC participated in the Fall Involvement Fair in August. The members of ESC look forward to planning events and community-building activities held throughout the fall semester. We are preparing for interviews and selections to have more members soon.
IEEE kicked off the year by hosting a resume review workshop with Fast Enterprises where students could learn how to build an eye-catching resume ahead of the Career Fair. We also co-sponsored an information session and introduction to automation with ASME and MDI. This semester, people should look forward to the spooktacular Halloween soldering workshop, an oscilloscope soldering workshop where you can keep the oscilloscope, and a 3D Printing/Solidworks workshop. For the coming year, we hope to host social events to get away from the non-stop engineering work and flush out some new workshops like PCB design, web-scraping, and much, much more. 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 the best of luck with the rest of the semester!
ITE

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. If you are interested in joining or in having an officer position, please contact nkwak1@villanova.edu.
NovaCANE

NovaCANE stands for Villanova Community Action by New Engineers, a STEM outreach organization open to students of all majors and years. The mission of NovaCANE is to contribute to the local community by serving needs within the realm of engineering. We specialize in running after-school programs at middle and elementary schools in the local Philadelphia area, engaging students in educational presentations and fun engineering projects. Members of the club visit the schools 1-2 times per month and serve as a mentor to the students while running an engineering activity such as building bridges from gumdrops and spaghetti! Those unable to attend the trips can be a part of the curriculum committee and help plan the activities and respective presentations. We are also planning to develop a website this semester to make materials and activities free and accessible to all local students/schools. Interested in supporting the local educational system and getting more kids excited about STEM? email vunovacane@gmail.com to be added to the email list or contact the club president at mtaglia1@villanova.edu
NovaRacing

This summer, the NovaRacing team competed at Michigan international speedway and placed 11th overall. They also placed 3rd in the acceleration event, both record placements for the team. NovaRacing is looking to carry that momentum forward as they begin the manufacturing process for the new car, VU 13.
NSBE (National Society of Black Engineers) is very excited to welcome everyone back to campus as we start a new semester. The mission statement of NSBE is “to increase the number of culturally responsible Black Engineers who excel academically, succeed professionally, and positively impact the community.” The semester just started but we already have a lot of fun events planned. The activities fair was great as we met a lot of students that wanted to learn what we were about and interested in joining. We have our first General Body Meeting on September 22 in Driscoll Hall. We will be talking about the start of our new mentorship program and our new NSBE study sessions among other exciting things as we start the academic year. If you are interested in joining, please reach out to our Membership Chair, Kojo, at kmarfosa@villanova.edu.
VUxNSPE is excited for the year to start! We just finished creating the new executive board for the year, and we are planning for future events that are coming later in the fall and spring semesters. We plan to have our annual events such as the Valley Forge Networking Dinner, FE Forum, the Order of the Engineer Ring Ceremony, and hopefully a more casual networking event. If you want to know more information about our events and/or about NSPE, please contact Diego Adames at dadames@villanova.edu.
Omega Chi Epsilon

Omega Chi Epsilon (OXE) is the Chemical Engineering Honors Society, 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 upper-level students who increased their GPA). This ceremony just rewards them for their academic success. After that, 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.
After training the new PEERs and meeting with the incoming engineering class, the CEER PEERs continue to mentor undergraduate students by offering weekly office hours. Upcoming events include volunteering for Villanova's Day of Service, hosting an ice cream social to assist new students with the registration process, as well as a movie and s'mores night before exams. We would like to remind all engineering students that they are encouraged and welcome to stop by the CEER PEER lounge (CEER 001) for any and all engineering-related questions and tutoring. We look forward to seeing you and be sure to check your email for information regarding our upcoming events!
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. Within the first few weeks of the fall semester, our members have tutored three students. Shortly, we will be speaking at freshman ME classes to help introduce new students to Pi Tau Sigma. Help spread the word about our organization! If you’re looking for tutoring, email us at: VUpitausigma@gmail.com.
This semester we are excited to be back in person. The first general body meeting was a success; many new and returning members attended. At the meeting, we introduced new members to the club and discussed different events NovaSASE does throughout the year, including the National Conference, held virtually in October. Later in the month, we had our first social outing where we got boba tea. The executive board is planning to have more social tours and workshops to get ready for Nationals.
The Society of Women Engineers (SWE) is a not-for-profit educational, service, and community organization that empowers women to succeed and advance in the field of engineering and to be recognized for their life-changing contributions as engineers and leaders.