



THE IEEE NANOTECHNOLOGY COUNCIL

The IEEE Nanotechnology Council (IEEE NTC) of Louisiana Tech University is a multi-disciplinary group whose purpose is to advance and coordinate work, education, and student networking in the field of nanotechnology carried out throughout the IEEE in scientific, literary, and educational areas with other organizations, schools, faculty, and the nanosystems industry. The Council supports the theory, design, and development of nanotechnology and its scientific, engineering, and industrial applications. Events hosted by our chapter include industry speakers, webinar streams, research seminars, study nights, and other recreational activities. Membership is free and open to all those who share the purpose of the society and have educational, practical, or research experience in nanotechnology or in an allied scientific field. All members and officers must be students currently enrolled at Louisiana Tech University. If you are interested in becoming a member, please look for our emails throughout the academic year.



THE ASSOCIATION OF CYBER ENGINEERS

The Association of Cyber Engineers (ACE) is an organization that is committed to promoting the field of cyber engineering. We strive to implement a hands-on method of learning so that students can gain a solid understanding of the dynamic world of cybersecurity. ACE provides a platform for students and club members to excel in their college career, hone their skills, and make connections with industry professionals.

ACE meetings include a variety of topics, such as password cracking, port scanning, malware analysis and creation, and multiple other Linux tools. Meetings are designed to encourage students to follow along with the presentations so that they are more comfortable using cybersecurity tools and more prepared for real-world application.

ACE aims to support underclassmen in classes such as the Engineering 120-series and Computer Science/Cyber Engineering 130-series. Our Peer-to-Peer (P2P) Mentorship Program connects upperclassmen with underclassmen to assist in their studies and college life. We collaborate with other clubs with events such as Arduino and Raspberry Pi coding nights to further aid students with their assigned projects.

If you have any questions or would like to know more about ACE, please contact us at acecoes@latech.edu.



BMES THE BIOMEDICAL ENGINEERING SOCIETY

The Biomedical Engineering Society (BMES) is a professional organization focused on improving human health through engineering and innovation. At Louisiana Tech, BMES seeks to help students in any major learn how they can connect what they learn to the field of medicine as well as offer a variety of events and functions throughout the year. We offer weekly study nights for all interested students, a mentorship program, professional development events, and fun social events. We hope to be able to bring greater awareness to the diverse options within biomedical engineering and show everyone how they can be part of this incredible field.

This year, we are bouncing back from COVID with several amazing events to get everyone back in a great mood after a year of lockdowns and severely decreased social interactions. One such event that we recently held with NSBE (the National Society of Black Engineers), SWE (Society of Women Engineers), and SHPE (Society of Hispanic Professional Engineers) was the Halloween Bash. During this event a live DJ provided entertainment while students enjoyed pizza, pumpkin painting, and a costume contest. We also held our Friends-giving event at the end of fall quarter, where students were able to eat, socialize, and be merry with their classmates and schoolmates in an evening of relaxation in the beautiful fall weather.

Our mentorship program is continuing this year. It is designed to pair underclassmen with upperclassmen that have more experience in the biomedical engineering program and who can assist their mentees through the curriculum. Mentors are also available to help choose classes, help with homework, and assist with applying to undergraduate research experiences, or REUs, and internships. The goal is that this program will help retain and encourage the biomedical engineering students at Tech, and we are looking forward to another fruitful year.



THE AEROSPACE ENGINEERING CLUB

The Aerospace Engineering Club works on projects related to the field of aerospace. Projects include high-altitude balloons, drone racing, rocketry, model planes, and more. We do this to get experience for our members in aerospace and to stimulate interest in the field on campus. One of our long term goals is to get an aerospace program started at Louisiana Tech by demonstrating significant student demand for classes in the subject.

This summer we volunteered at the Chennault Airshow in Lake Charles and got to see many wonderful planes and amazing pilots while rupturing our ears. This school year, our major goals are to get several of our members certified to use heavier model rocket motors and to start participating in drone racing competitions. We have speakers with industry experience come and talk at some of our general body meetings, which are open to anyone. We also host casual Kerbal Space Program tournaments in the esports room above the TONK.

If you want to join and contribute to any of our projects or even start your own, reach out to aero@latech.edu.

PICTURES AND ILLUSTRATIONS

Cover Photo: ASPIRE Sculpture on Louisiana Tech's Ruston campus. Credit: Jordan Savoie.

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1: Photo: Sydney Bratton. Credit: Provided by Sydney Bratton.

2: Photo: Logan McCarthy. Credit: Josh Iselin.

3: Photo: Dr. Crittenden. Credit: Jordan Savoie.

4: Photo: Dr. Turner. Credit: Jordan Savoie.

5: Photo: Dr. Timofeyev. Credit: Jordan Savoie.

6: Photo: Eva Dickenson. Credit: Provided by Eva Dickenson.

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