AE Corporate Affiliates Program

TOP RANKED PROGRAMS

#2 Undergraduate Program
U.S. News & World Report, 2025
#1 among publicly-funded institutions

#2 Graduate Program, Tie
U.S. News & World Report, 2025
#1 among publicly-funded institutions

ENGINEERING SCHOLARS

1,220 Undergraduate Students

955 Graduate Students

HANDS ON EXPERIENCE

80% of AE undergrads have been involved in research before graduation

74% of AE undergrads have achieved "honors" standing

31% of AE undergrads have studied abroad

69% of AE undergrads have interned

IMPACT NUMBERS

52+ Research Faculty

62+ Academic Faculty

$54M FY 2024

16+ Student Organizations

CUTTING EDGE RESEARCH

- Computational & Experimental Fluid Dynamics
- Cyberphysical Systems, Safety, Security, & Reliability
- Large-Scale Computations, Data, & Analytics
- Mechanics of Multifunctional Structures and Materials
- Robotics, Autonomy, & Human Interactions
- Space Exploration and Earth Monitoring
- Sustainable Transportation & Energy Systems
- System of Systems & Complex System Integration
- Vertical Lift and Urban Air Mobility
- Artificial Intelligence & Machine Learning

MESSAGE FROM THE AE SCHOOL

A major goal of the school is to train the best and brightest students in the world to prepare them as leaders in industry, government, and academia. The Corporate Affiliates Program (CAP) is designed to connect corporations with this diverse pool of aerospace engineering students at all degree levels.

CAP partners gain access to a wide range of recruitment activities such as the AE Career Fair and Day in the Lobby, and through year-round signature initiatives such as the Mentors-In-Residence program. Additionally, CAP partners receive brand recognition that strengthen the company's position as a top choice for Georgia Tech Aerospace Engineering students who are looking for internships, co-ops, and full-time employment.

Most CAP benefits are customizable. A dedicated member of our team will work one-on-one with each of our CAP partners to help them get the most out of the collaboration. Your gift to this program supports our AE students in a way that further strengthens their training in ways directly relevant to individual corporate needs.

We look forward to partnering with you.

Joseph Oefelein
Professor and Associate Chair
for Undergraduate Programs

FOR MORE INFORMATION, PLEASE CONTACT:

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Georgia Tech College of Engineering
Daniel Guggenheim School of Aerospace Engineering

AE Corporate Affiliates Program

ae.gatech.edu/corporate-affiliates-program

	GOLD TIER $10,000	BLUE TIER $5,000	WHITE TIER $2,500
AE Career Fair (Fall & Spring) ▸ Participate in the Fall and the Spring AE Career Fair to recruit aerospace engineering students.	✓	✓	✓
Employer Engagement Event (Fall & Spring)	✓	✓	✓
Company Day ▸ Spend a day on campus to recruit students and share company information, see AE facilities, meet with students orgs, connect with faculty and learn about ongoing research.	✓	✓	✓
Corporate Partner Recognition ▸ Website, career fair, etc.	✓	✓	✓
Student Organization Meeting Access ▸ Embed your brand in the activities of our 16 student organizations (e.g. meet focused student groups to provide insights on needs and skills, educate students on your company's work in selected technical areas)	✓	✓	✓
Career Development & Recruitment ▸ Co-facilitate a virtual or in-person career dev. workshop ▸ Review resumes, formal/informal interviews etc.	✓	✓	
Invitation to Mentors-in-Residence Program ▸ Choose a representative from your company to serve as a Mentor for the School of AE. Mentors are provided numerous opportunities to connect with students virtually and in-person throughout the academic year.	✓	✓	
Company Sponsored Event ▸ Come in person or send us your swag/information for students. Snacks will be provided, and company recognized as the sponsor.	✓		
Company Feature in Student Newsletter ▸ Increase your company"s visibility through a special feature in the AErial View which goes out weekly to the entire AE community.	✓		
Sponsor Capstone Project ▸ Propose a project idea for students in capstone design courses that will expose them to a corporate challenge. Projects tend to cover the duration of 1-2 semesters and require coordination with faculty instructors.	✓		

In addition, all corporate partners receive complimentary benefits listed below:

- Posting of jobs and internships
- Interview space on campus
- Invite to judge capstone design
- Info session (virtual or in-person)

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Student Organizations

Learn more at:
ae.gatech.edu/student-life-outside-classroom

AAA – AeroAfroAstro

GT AeroAfroAstro is a professional aerospace organization designed to support Black students and allies in their careers whilst entering the aerospace industry. AeroAfroAstro accomplishes its mission through its provision of speaker panels, 1-on-1 company information sessions, on-site tours, and community outreach events.

AE Graduate Student Association

AEGSA is a student organization that brings together graduate students across the School of Aerospace Engineering to promote inclusivity, foster collaboration and professional growth, and provide a platform to connect across labs and research groups.

Aero Makers

Aero Makers at GT is the Aero Maker Space's connection to the student body. Our goal is to help the AMS run exciting social events for all students for free including bringing students into the space for events and DIY projects to showcase the capabilities of the AMS and connect students through social and food events throughout the semester.

AIAA - American Institute of Aeronautics & Astronautics

GT AIAA serves as a connection to the national AIAA organization. They host events open to all AE Students focused on enriching students' understanding of and appreciation for the aerospace industry through interactions with industry leaders, development opportunities, and more.

Design Build Fly (DBF)

Design Build Fly is a student organization focused on creating novel remote-controlled aircraft to compete in SAE Aero Design and AIAA Design Build Fly competitions. Over the course of the year, we design, analyze, prototype, and fly numerous aircraft for a given competition.

Georgia Tech Supersonics Club

GTSC was founded in 2023 to bring high-speed aircraft development to the Georgia Tech club space. GTSC strives to push the boundaries and produce an aircraft capable of surpassing the speed of sound. Leading up to this mission, our current focus is breaking the Guinness World Record for fastest jet-powered, remote-controlled aircraft.

International Students and Professionals in Aerospace

Design Build Fly is a student organization focused on creating novel remote-controlled aircraft to compete in SAE Aero Design and AIAA Design Build Fly competitions. Over the course of the year, we design, analyze, prototype, and fly numerous aircraft for a given competition.

RotorJackets

RotorJackets educates Georgia Tech students about the technology surrounding Unmanned Aerial Vehicles (UAVs), specifically those equipped with First-Person View (FPV) technology. We seek to offer students a hands-on learning experience by creating a safe environment for people to fly remote controlled (RC) vehicles on campus and providing training on how to responsibly build and operate UAVs.

RRC - Ramblin Rocket Club

The Ramblin' Rocket Club (RRC) is the premier rocketry club at Georgia Tech. Established in 2012, RRC is home to five project teams each working towards different goals. The project teams include, High Altitude Balloons (HAB), Guidance Navigation and Controls (GNC), High Powered Rocketry (HPR), Georgia Tech Experimental Rocketry (GTXR), and the Launch Initiative at Tech (LIT). annually during STEM outreach initiatives.

SAESAC - School of Aerospace Engineering Student Advisory Council

SAESAC is a group of Georgia Tech Aerospace Engineering School students who are dedicated to bridging gaps between students and the AE administration by providing an open and safe means of expressing opinions and suggesting changes for the AE School's future operation.

SGT - Sigma Gamma Tau

Sigma Gamma Tau is an honor society for aerospace engineering students. SGT provides volunteering opportunities for members and helps plan and run events like the aerospace engineering career fair and preparation event every semester.

VFS - Vertical Flight Society

GTSC was founded in 2023 to bring high-speed aircraft development to the Georgia Tech club space. GTSC strives to push the boundaries and produce an aircraft capable of surpassing the speed of sound. Leading up to this mission, our current focus is breaking the Guinness World Record for fastest jet-powered, remote-controlled aircraft.

WOAA - Women in Aeronautics and Astronautics

Women of Aeronautics and Astronautics is a student organization committed to increasing the enrollment and retention of women and underrepresented genders in the fields of Aeronautics & Astronautics. We do this by bolstering community with social events, encouraging professional development with industry speaker and resume events, and fostering a mentoring

YJFC - Yellow Jacket Flying Club

The Yellow Jacket Flying Club is the premier aviation community at Georgia Tech, located in Atlanta, GA. We do flight training and host aviation enrichment events for our members and the larger community.

YJSP - Yellow Jacket Space Program

We are GT's only liquid rocketry team in which we are currently working on two flight vehicles. The first is a kerosene and liquid oxygen rocket, aiming for an apogee of over 100,000 ft. The second is a Nitrous Oxide and IPA rocket, with the goal of winning the collegiate liquid rocketry space race by reaching an apogee of 330,000 ft.

AE Labs, Centers, Collaborative Groups

Learn more at:
ae.gatech.edu/ae-labs-centers-collaborative-groups

The Yang Aero Maker Space (AMS)

The Yang Aero Maker Space is a collaborative learning and prototyping environment that makes a vast array of equipment available to students and faculty.

Aerospace Systems Design Laboratory (ASDL)

The Aerospace Systems Design Laboratory conducts research in the design of complex aerospace systems and systems of systems.

Autonomous Control and Decision Systems Laboratory (ACDS)

This lab works with other labs on autonomy, investigation of the computational principles related to neural organization, computation, function and/or behavior.

Ben T. Zinn Combustion Laboratory

The Combustion Laboratory is a multi-million dollar experimental research facility supporting a broad range of experimental research in combustion process for propulsion and energy

Center for Advanced Machine Mobility (CAMM)

A multidisciplinary research center consisting of a network of faculty and students engaged in creating new mobile platform technologies and configurations.

Cognitive Engineering Center (CEC)

The Center examines human-system integration in work environments from theoretical & viewpoints, in the field and in the laboratory, make substantive contributions to

Computational Combustion Laboratory (CCL)

The Computational Combustion Laboratory conducts research in computational modeling of combustion processes.

Computational Solid Mechanics Laboratory (CSML)

This group conducts research within the broad field of computational mechanics of materials and

Computational and Experimental Rotorcraft Engineering and Aerodynamics Laboratory (CEREAL)

This lab focuses on real-time (GPU) flow field computations and unsteady, time-resolved measurements.

Dynamics and Control Systems Laboratory

DCSL provides a stimulating environment for computations and unsteady, time-resolved aerospace mechanical systems.

High Performance Computing Laboratory (HPCL)

The HPCL conducts research in computational fluid dynamics for propulsion, power, high speed aerodynamics and aerothermodynamics applications.

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High-Power Electric Propulsion Laboratory (HPEPL)

The High-Power Electric Propulsion Laboratory supports a broad range of research in plasmadynamics and electric propulsion for space.

Intelligent Robotics and Emergent Automation Lab (IREAL)

IREAL conducts research at the intersection of vehicle design, dynamic analysis, and control system engineering toward the overall goal of developing and improving actively-controlled robotic systems.

The Laser and Fluids Group

This group develops and uses laser-based (and other optical) measurement techniques to solve fundamental and applied problems of relevance to next-generation propulsion and power systems.

Lunar Lab

The Lunar Lab studies problems related to perception and navigation for robots and autonomous systems in ground, air, and space applications. The main research areas of the lab include computer machine learning, deep learning, estimation, and probabilstic inference.

Multiphysics Mechanics of Materials (M3) Lab

The M3Lab is focused on the development of continuum mechanics theories, and accompanying numerical tools, for capturing the coupling in these complex systems.

Nonlinear Computational Aeroelasticity Lab

The Nonlinear Computational Aeroelasticity Lab focuses on advanced numerical methods and engineering analysis associated with unsteady fluid mechanics.

Reacting Flow & Diagnostic Group

The Reacting Flow & Diagnostic group conducts research on combustion kinetics, flame dynamics, and a variety of laser diagnostic techniques on reaction flow systems.

Nonlinear Computational Aeroelasticity Lab

The Space Exploration and Analysis Laboratory (SEAL) at Georgia Tech studies how sensor data may be used for spacecraft navigation and space science.

Space Systems Design Laboratory (SSDL)

The Space Systems Design Laboratory conducts research in the design of space launch vehicles and interplanetary spacecraft.

Space Systems Optimization Group

The SSOG focuses on the development of mathematical theories and their application to rigorous space mission analysis, design, and optimization.

Structural Dynamics and Aeroelasticity Research Laboratory

This lab focuses on developing novel computational models and analysis methods to study aeroelastic phenomena in the next generation of aerospace vehicles.

Vertical Lift Research Center of Excellence (VLRCOE)

The Vertical Lift Research Center of Excellence conducts a wide range of research in rotary wing aircraft technology.

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