



**Transforming
Tomorrow**

THE CAMPAIGN
FOR GEORGIA TECH



Engineering a New Era

Together, let's build the future of aerospace innovation



Georgia Tech College of Engineering
**Daniel Guggenheim School
of Aerospace Engineering**

Executive Summary

The next era of mobility, autonomy, and global innovation will reshape every industry, from energy and healthcare to artificial intelligence, logistics, and manufacturing. This future will touch every alumna and alumnus, every industry leader, and every community.

Georgia Tech is building a new, student-centered hub focused on the future of mobility and autonomy, one that unites hands-on learning, advanced research, and real-world experimentation. Purpose-built for how students learn, build, and innovate today, the facility will bring together exceptional students and faculty to address world's hardest problems at unprecedented scale.

The hub will serve as a landing place where students design and test next-generation mobility systems, operate space missions and satellites, experiment in extreme environments, and collaborate across disciplines rarely brought together on a university campus.

More than a building, it will be the place where space and energy converge, where defense and national security push beyond what is currently possible, and where breakthrough ideas become reality. Georgia Tech will lead this future, and this investment will anchor that leadership.

A Facility That Matches Our Ranking

The Daniel Guggenheim School of Aerospace Engineering — ranked No. 1 among public institutions and No. 2 overall by *U.S. News & World Report* — enrolls more than 2,300 students whose impact extends far beyond aerospace. They influence AI, robotics, energy, logistics, and national security. Yet today, this world-class program operates in facilities designed for a different era.

At the same time, Georgia's aerospace sector, the state's No. 1 export in a global market projected to exceed \$1 trillion by 2040, demands engineers ready to lead from day one. This new facility will enable companies to engage directly with emerging talent and cutting-edge research, accelerating innovation from concept to application.

With an \$88 million investment from the State of Georgia, Georgia Tech is advancing a new 200,000-square-foot aerospace engineering anchored facility that will serve as the campus hub for mobility and autonomy. Designed to transform how students learn,

how research advances, and how industry partners engage, the building will allow our students to design, build, and test next-generation systems alongside faculty and industry gaining the experience required to lead in rapidly evolving fields.

State funding lays the foundation. Philanthropy brings it to life.

Philanthropic support will equip the building with advanced laboratories, tools, and collaborative spaces that make immersive, hands-on learning possible, from flight testing and autonomous systems to propulsion and space technologies.

We invite you to partner with Georgia Tech on this transformative project. Together, we can create an unmatched environment where students train to tackle the near- and long-term opportunities enabled by the future of mobility.

Thank you for considering an investment in the next generation of Yellow Jackets who will shape industries and change the world.



Aerospace in Georgia

Aerospace is Georgia's No. 1 export, generating \$12.6 billion in economic impact in 2024. It also is the state's second largest manufacturing sector, with \$57.5 billion in annual output and more than 200,000 jobs supported across the ecosystem.

Georgia Tech is deeply committed to advancing the state's aerospace and defense advantage. Our aerospace engineering program produces 250–350 graduates annually, including approximately 12% of all aerospace engineering Ph.D.s awarded nationwide.

In parallel, Tech's annual external aerospace research funding now exceeds \$54M, supporting mission relevant innovation at scale.

We are committed to investing in our students, providing the environment where they can learn and be prepared to tackle tomorrow's unknown challenges.

Through new research initiatives, interdisciplinary collaboration, and a robust talent pipeline, we are advancing technologies central to many industry partner roadmaps, including:

- Advanced materials and manufacturing
- Advanced propulsion, including hypersonics
- Artificial intelligence, machine learning, and autonomy
- Cybersecurity and system resilience
- Human machine teaming

With deep expertise across these domains and a proven ability to translate research into real-world impact, Georgia Tech is well-positioned to accelerate development capabilities, strengthen national security, and help shape the next generation of aerospace and defense leaders.



Building for the Future

The new, student-centered aerospace engineering anchored facility will be a 200,000-square-foot hub designed to support the next generation of mobility and autonomy through:

- Advanced laboratories dedicated to propulsion, aerodynamics, robotics, artificial intelligence, autonomous systems, space exploration, hypersonics, and urban air mobility
- Highly collaborative spaces that foster deep partnerships with industry, government, and startups
- A launchpad for Georgia's growing space economy, enabling innovation from research to application

At its core, this hub will center on transformative student experiences and market-driven research.

Our current spaces are constrained by aging infrastructure. The new facility will be fully reimagined, fundamentally elevating how students learn, build, and compete. Signature environments include:

- A 3,000+ square-foot, next-generation makerspace for hands-on design and rapid prototyping
- Student competition assembly space supporting multidisciplinary teams working on complex, real-world challenges
- A mission control center for satellite operations and data evaluation
- A seven-story drop tower enabling microgravity experimentation
- A wind tunnel supporting advanced aerodynamics experimentation and analysis

Location: Corner of North Avenue and Tech Parkway, directly across from Coca-Cola's global headquarters



Timeline & Milestones

March 2026: State funding approved

August 2026: Initiate building design

December 2026: Majority of fundraising committed

Early 2028: Groundbreaking

2030: Project completion

Investment Opportunities

Georgia Tech is seeking investments from alumni, families, and friends to bring to life a vision that will shape the future of aerospace engineering education. This represents a once-in-a-generation opportunity to invest in students and in the educational experiences that will prepare them to become the next generation of aerospace engineers, innovators, and leaders.

We are looking for individuals who are inspired to invest in this vision for the long term, those who recognize the importance of empowering students with the tools, experiences, and mentorship they need to succeed in a rapidly evolving field. As aerospace continues to transform, so too must the way we teach, learn, and prepare students for what lies ahead. Georgia Tech is uniquely positioned to lead this transformation and set a new standard for aerospace education.

Support begins with a foundational investment in the new Aerospace Engineering Building, which will serve as a hub for hands-on learning, interdisciplinary collaboration, and cutting-edge discovery. Beyond the building itself, philanthropic support will help expand student experiences — enhancing curriculum, research opportunities, and co-curricular programs that equip students with the technical expertise, adaptability, and leadership skills required in the decades ahead.

A range of giving opportunities allows individuals to directly shape the student experience and the innovations this new facility will enable. Together, we can ensure that Georgia Tech continues to prepare students not just for the careers of today, but for the challenges and opportunities of the future.

Transformational Naming Opportunities

BUILDING NAMING OPPORTUNITY — PLEASE INQUIRE

A lead commitment will secure legacy naming recognition for the Aerospace Engineering Building itself — an iconic, high-visibility facility that will anchor Georgia Tech's aerospace ecosystem for decades to come.

This premier investment will permanently associate your family name with:

- The education and preparation of future aerospace engineers and technologists
- Breakthrough research across air, space, autonomy, and defense domains
- A signature facility at one of the world's top engineering institutions



Investment Opportunities

Signature Programmatic & Experiential Spaces

Philanthropic investments can directly shape the environments where learning, discovery, and collaboration occur. Naming opportunities are available for the following spaces:

STUDENT INNOVATION & COMMUNITY AREAS

Makerspace — from \$10,000,000

A central hub for hands-on design, rapid prototyping, and student collaboration

Lecture Hall — from \$3,200,000 each

A large, high-impact learning environment seating approximately 250 students

Studio Classrooms — from \$2,500,000 each

Active learning classrooms supporting hands-on instruction for approximately 100 students

Student Competition Assembly Spaces

— from \$1,000,000 each

Dedicated areas for multidisciplinary teams designing and building real world systems

MISSION DRIVEN COLLABORATION SPACES

Mission Control — from \$10,000,000

The home for student-led spaceflight operations, mission planning, and real-time data analysis

Wind Tunnel — from \$10,000,000

A testing environment supporting aerodynamic experimentation and applied research

Indoor Flight Lab — from \$5,000,000

A controlled environment for drone, autonomous flight, and advanced mobility testing

DESIGN & PROTOTYPING STUDIOS

Shop (Advanced Fabrication Facility) — from \$7,500,000

A state-of-the-art facility for machining, composites, and advanced manufacturing

Aircraft Simulator Lab — from \$3,000,000

An advanced simulation environment supporting flight research, training, and experimentation

Drop Tower — from \$4,000,000

A multi-story facility enabling microgravity experimentation and applied research

ADVANCED RESEARCH LABORATORIES

Space Systems Design Research Labs — from \$3,000,000

Facilities supporting space systems design, development, and testing

Clean Room — from \$1,500,000

A controlled environment for satellite construction and precision research

Space Research Institute — please inquire

A newly launched interdisciplinary research institute focused on space exploration, advanced systems, and discovery

Every investment, whether in people, programs, or spaces, advances Georgia Tech's mission to develop the aerospace engineers, technologies, and systems that will define what comes next.

We welcome the opportunity to collaborate closely with you to align philanthropic goals with meaningful, visible, and enduring impact — creating value for Georgia Tech, for our students, and for your family as we shape the future of aerospace and mobility.

Building the Future of Aerospace Together

Your support will help Georgia Tech:

- Expand its top-ranked AE program
- Provide students with cutting-edge learning environments
- Align your family name and legacy with one of the top AE schools globally
- Accelerate innovation in aerospace technologies
- Strengthen Georgia's aerospace workforce and economy

This is an investment in people and potential. It is an investment in talent, ideas, and the belief that Georgia Tech engineers fuel innovation and are our competitive advantage.

More than a building, this is a place where students gain the experience to lead, ideas become real-world solutions, and Georgia Tech continues to shape the future of aerospace — and beyond.

Best regards,

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