

AE at a Glance



Georgia Tech College of Engineering
Daniel Guggenheim School
of Aerospace Engineering



Undergraduate AE program in the nation

U.S. News & World Report,
2024 Best Colleges
#1 among publicly-funded institutions



Graduate AE program in the nation

U.S. News & World Report,
2024 Best Colleges; tie
#1 among publicly-funded institutions

▶ ae.gatech.edu

OVERVIEW

Degrees Offered

- **BS** in Aerospace Engineering
- **MS** in Aerospace Engineering
 - Distance learning option
- **PhD** in Aerospace Engineering

Multidisciplinary Research Areas

- Cyberphysical Systems, Safety, Security, & Reliability
- Large-Scale Computations, Data, & Analytics
- Mechanics of Multifunctional Structures and Materials
- Robotics, Autonomy and Human Interaction
- Space Exploration & Earth Monitoring
- Sustainable Transportation & Energy Systems
- System of Systems and Complex Systems Integration
- Vertical Lift and Urban Air Mobility

Academic Disciplines

- Aerodynamics & Fluid Mechanics
- Aeroelasticity and Structural Dynamics
- Flight Mechanics & Controls
- Propulsion & Combustion
- Structural Mechanics and Materials Behavior
- Systems Design & Optimization

STUDENTS

1,100+ undergrad students

850+ graduate students

13+ student groups

- AeroAfroAstro
- American Institute of Aeronautics and Astronautics (AIAA)
- GT Motorsports
- GT Off-Road Club
- Ramblin' Rocket Club
- School of Aerospace Engineering Student Advisory Council
- Sigma Gamma Tau
- Students for the Exploration and Development of Space (SEDS)
- Vertical Flight Society (VFS)
- Women of Aeronautics and Astronautics
- Yellow Jacket Flying Club
- Yellow Jacket Space Program
- Yang Aero Maker Space

▶ ae.gatech.edu/student-life-outside-classroom

80%

of students are involved in undergraduate research before they graduate

69%

of undergrad students participate in an internship before they graduate

FACULTY



\$50M
annual research awards (CY24)



62+ academic faculty members

- ▶ **41** tenured/tenure-track
- ▶ **21** professional-track
- ▶ Actively recruiting



52+ research faculty members



AE faculty are members of prestigious societies & national organizations

- National Academy of Engineering (NAE)
- American Institute of Aeronautics and Astronautics (AIAA)
- The Combustion Institute (CI)
- American Society of Mechanical Engineers (ASME)
- The Royal Aeronautical Society (RAS)
- American Helicopter Society (AHS)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Astronautical Society (AAS)