As a major department within the College of Engineering, we are excited and proud to be among the top aerospace engineering programs in the country providing unique cutting-edge educational and research opportunities, including space exploration, national defense, air transportation, communications and sustainable energy.

Our students are offered a modern curriculum that is balanced across the three principal disciplines of aerospace engineering: aerodynamics and propulsion, dynamics and control, and materials and structures. The program also benefits from strong connections to major aerospace industries, the Department of Defense and NASA.

Research

Aerospace engineering at Texas A&M University goes beyond curriculum and essential laboratories, bringing relevance to aerospace courses and equipping our students with state-of-the-art facilities and ground-breaking research opportunities.

Research and service facilities in the department are considered among the best in the nation, and are used to supplement theoretical studies in the major disciplines. Among the facilities available to researchers and students are a variety of wind tunnels, active materials lab, an integrated concurrent engineering design environment and a flight simulator.

Department Areas & Disciplines

- Aerodynamics and propulsion
- Dynamics and control
- Materials and structures

US News & World Report Rankings

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Faculty

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Department Facilities & Centers

- Advanced Vertical Flight Laboratory
- Aero and Fluid Dynamics Lab
- Aerospace Technology Research & Operations
- Aerospace Vehicle Systems Institute
- AggieSat Lab Satellite Program
- Center for Autonomous Vehicles and Sensor Systems
- Center for Intelligent Multifunctional Materials and Structures
- General Materials Lab
- Klebanoff-Saric Unsteady/Quiet Wind Tunnel
- Laboratory for Uncertainty Quantification
- Laser Diagnostics and High-Speed Combustion
- Land, Air and Space Robotics Laboratory
- Materials and Testing Lab
- Multifunctional Materials and Aerospace Structures Optimization Lab
- National Aerothermochemistry Laboratory
  - Actively controlled expansion hypersonic tunnel
  - Ames supersonic tunnel
  - Mach 7 shock tunnel
  - NASA Langley Mach 6 quiet tunnel
  - Supersonic pilot tunnel
- Oran W. Nicks Low Speed Wind Tunnel
- Propulsion Lab
- Structural Dynamics Testing Lab
- Turbulence and Advanced Computations Lab
- Unmanned Flight Laboratory
- Vehicle Systems & Control Laboratory