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

| Undergraduate | 6th |
| Graduate     | 4th |

Enrollment

| Undergraduate | 611 |
| Graduate     | 176 |
| Master's     | 77  |
| Ph.D.        | 99  |

Faculty

| Tenure/ tenured track | 42 |
| Full faculty         | 24 |
| Associate faculty    | 7  |
| Assistant faculty    | 11 |
| Non tenure-track faculty | 9 |
| Professors of practice | 3 |
| Emeritus faculty     | 5  |
| National Engineering Academy members | 8 |
Department Facilities & Centers

- Advanced Vertical Flight Laboratory
- Aero and Fluid Dynamics Lab
- Aerospace Human Systems Laboratory
- Aerospace Laboratory for Lasers, ElectroMagnetics and Optics
- Aerospace Materials and Structures Laboratory
- AeroSpace Systems, Technology Research & Operations
- Aerospace Vehicle Systems Institute
- AggieSat Lab Satellite Program
- Bioastronautics and Human Performance Lab
- Center for Intelligent Multifunctional Materials and Structures
- Computational Stability and Transition Laboratory
- Estimation, Decision and Planning Laboratory
- High-temperature Gasdynamics Laboratory
- High-temperature Materials Laboratory
- Immersive Mechanics Visualization Laboratory
- Klebanoff-Saric Unsteady/Quiet Wind Tunnel
- Laboratory for Uncertainty Quantification
- Land Air and Space Robotics Laboratory
- Laser Diagnostics and High-Speed Combustion Lab
- Laser Diagnostics and Plasma Devices Laboratory
- Multifunctional Materials and Aerospace Structures Optimization Lab
- Nanostructured Materials Lab
- National Aerothermochemistry and Hypersonics Laboratory
- Oran W. Nicks Low Speed Wind Tunnel
- Plasma Dynamics Modeling Laboratory
- Plasma Simulation Laboratory
- Propulsion Laboratory
- Structural Dynamics Testing Lab
- Systems Engineering Architecture and Knowledge Lab
- Tensegrity & Morphing Structures Laboratory
- Turbulence and Advanced Computations Lab
- Vehicle Systems & Control Laboratory
- ZLab