

100%

of our first-year PhD students receive full tuition support and a stipend



DEGREES OFFERED

- MS and PhD in Aerospace Engineering

CORE RESEARCH STRENGTHS

- Hypersonics
- Aerodynamics
- Computational fluid dynamics
- Fluid mechanics
- Mission planning
- Propulsion
- Orbital Mechanics
- Stability and control

RESOURCES AND LAB SPACES

- Tennessee Aerothermodynamics Laboratory (TALon), one of academia's largest wind tunnels
- NASA Ice Contamination Effects Flight Training Device—the only one in the world within an engineering department
- State-of-the-art Arc-jet facility for high enthalpy hypersonic flows testing
- UT Space Institute, an internationally recognized graduate education and research facility in Tullahoma, Tennessee
- Collaborations with the Arnold Engineering Development Complex (AEDC), Air Force Research Laboratory (AFRL), and Oak Ridge National Laboratory
- MABE Maker Lab—equipped with top-quality industrial water jet cutter, CNC machines, and professional-grade polymer and metal 3D printers

NATIONALLY RECOGNIZED LEADERSHIP IN EDUCATION AND RESEARCH

- Leading a \$9.9 million NASA University Leadership Initiative to produce a more aerodynamically capable aircraft
- Partner in US Air Force Research Laboratory's \$9.8 million hypersonics development project

FINANCIAL SUPPORT

The department provides ample opportunities for talented graduate students to be fully funded through graduate research and teaching assistantships which typically come with a stipend, tuition waver, and health benefits.

- **Graduate Research Assistantships (GRAs)**
GRAs are offered directly by individual faculty from their research funds. GRAs support the student while performing research required for the degree. Students seeking a GRA should contact faculty with research interests aligned with theirs. Meet our faculty at mabe.utk.edu/faculty.

Graduate Teaching Assistantships (GTAs)

GTAs are funded by the state through the department and typically are restricted to doctoral students. GTAs are normally only offered if a faculty member strongly endorses an incoming student who does not currently have sufficient funds through a GRA. GTAs are offered for a limited time until a GRA can be obtained. Learn more at tiny.utk.edu/ae-funding.

ADMISSION

Admission is available to graduates of recognized curricula in engineering, mathematics, or one of the physical sciences who satisfy the necessary prerequisites. Find more information and start your application at tiny.utk.edu/apply-grad.

The GRE requirement is waived for all Fall 2021 US resident applicants

CONTACT US



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LOCATION

Knoxville is a thriving modern city that is home to music venues, museums, galleries, annual festivals, local sports teams, excellent restaurants, craft breweries, and eclectic shops.

Just a few miles from campus, Knoxville's Urban Wilderness is a system of more than 1,000 forested acres with over 50 miles of multi-use trails. Campus is also just a short drive away from the Great Smoky Mountains National Park, the most-visited national park in the country.

