



100%

of our new PhD students receive full tuition support and a stipend

DEGREES OFFERED

- MS and PhD in Mechanical Engineering

CORE RESEARCH STRENGTHS

- Advanced and additive manufacturing
- Fibers and composites manufacturing
- Precision machining and metrology
- Autonomous vehicles
- Mechanical systems
- Thermal-fluid systems
- Clean energy and water systems
- Robotics and controls
- Energy storage and conversion

RESOURCES AND LAB SPACES

- Volkswagen's first Innovation Hub in North America
- Graduate machine shop
- MABE Maker Lab—equipped with top quality industrial water jet cutter, CNC machines, and professional grade polymer and metal 3D printers
- Collaborative work with the Manufacturing Demonstration Facility at Oak Ridge National Laboratory

NATIONALLY RECOGNIZED LEADERSHIP IN EDUCATION AND RESEARCH

- Leading the \$259 million Institute for Advanced Composites Manufacturing Innovation
- Awarded a \$22.5 million cooperative research agreement with the US Army to investigate materials manufacturing for next generation combat vehicles and other Army modernization priorities
- Leading a \$9.8 million Multidisciplinary University Research Initiative for the Office of Naval Research
- Leading a \$2 million fuel cell and hydrogen technology project for the US Department of Energy

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 waiver, 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/me-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.

