

UTSI Information

<http://www.utsi.edu>
admit@utsi.edu



THE UNIVERSITY OF
TENNESSEE
KNOXVILLE

SPACE INSTITUTE AT TULLAHOMA

The University of Tennessee Space Institute (UTSI) is a graduate education and research institution located in Middle Tennessee adjacent to the U. S. Air Force Arnold Engineering Development Complex. UTSI was established in 1964 as part of The University of Tennessee and has become an internationally recognized institution for graduate study and research in engineering, physics, mathematics, and aviation systems and has made remarkable contributions at the local, state, national, and global levels.

Our Degrees

UTSI offers MS, PhD, and graduate certificates for individuals and continuing education courses for cohorts.

- Aerospace Engineering
- Biomedical Engineering
- Industrial & Systems Engineering - Engineering Management (Online)
- Mechanical Engineering



UTSI's Mach 4 Ludwig Tube

Our Research

For more than 40 years, research has been the heartbeat of UTSI. Our current work includes:

- Advanced Manufacturing for Aerospace and Defense Applications
- High-Speed (Hypersonic) Aerothermodynamics
- Hypersonic Propulsion and Computational Fluid Dynamics
- Gas Turbine Engines and Sustainable Aviation
- Medical Devices
- Nanoparticles for Medical Applications
- Micro Electrostatic Propulsion Thrusters

Contact us!

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931-393-7402

Our Facilities

The Research Park at UTSI houses over 80,000 sq. ft of laboratories. Several centers are located in the labs including the Center for Laser Applications (CLA), The HORIZON (High-Speed Original Research and Innovation Zone) Center for Hypersonic Research, and the Center for Computational and Experimental Aerospace Research (CEAR). Learn more <https://www.utsi.edu/research/equipment-and-capabilities/>

Facilities include:

- Labs for Chemistry Science, Materials Science, Nanodynamics, Flow Diagnostics, X-Ray Diffraction, and Picosecond
- Mach 2 Wind Tunnel and Mach 4, 6 (under design), and 7 Ludwig Tubes
- More!

Our Graduates

Over 2400 advanced engineering graduate degrees - including more than 250 doctorates - have been awarded through UTSI. A large number of them to Tennesseans and a few astronauts.



UTSI's Astronauts: Donald H. Peterson, Henry Hartsfield, Dominic P. Gorie, Joe F. Edwards, Barry Willmore, Scott J. Kelly, Chris A. Hatfield, Jeffrey S. Ashby, Charles O. Hobaugh, William A. Oefelein, Douglas G. Hurley, Randolph J. Bresnik