



LEADERSHIP
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OUTSTANDING FACULTY

MABE is proud to have nine endowed professors including UT-ORNL Governor’s Chairs Uday Vaidya and Suresh Babu. Nine faculty members are NSF CAREER or ONR Young Investigator Program Award winners. MABE faculty are respected, world-class leaders in their fields and are dedicated to teaching students and aiding them in developing the skills necessary to have successful careers.

Professors	17
Associate Professors	14
Assistant Professors	11
Lecturers/Professors of Practice	7
Research Assistant Professors	7
Research Professors	3
Clinical Associate Professors	2
Total	61

TOTAL ENROLLMENT

Full-Time Academic Year 2020-21

BS	1,319
Mechanical Engineering	713
Aerospace Engineering	319
Biomedical Engineering	287
MS	65
Mechanical Engineering	35
Aerospace Engineering	25
Biomedical Engineering	5
PhD	118
Mechanical Engineering	80
Aerospace Engineering	23
Biomedical Engineering	15
Total	1,502

DEGREES, MINORS & CERTIFICATES

BS, MS, and PhD in Mechanical, Aerospace, and Biomedical Engineering.

Certificates

- Advanced Manufacturing Graduate Certificate
- Reliability and Maintainability Engineering

Five-Year BS-MS Program

Qualifying students can take up to 9 credit hours of approved graduate courses for their senior undergraduate electives and have them count toward their BS and MS degrees.

Dual MS-MBA Program

An integrated program with the Haslam College of Business that allows students to obtain an MBA with a major in business administration and an MS in mechanical, aerospace, or biomedical engineering.



UT SPACE INSTITUTE

Located in Tullahoma, TN, the Space Institute (UTSI) was founded in 1964 to support Arnold Engineering Development Center at Arnold Air Force Base as a graduate education and research facility. Thirteen MABE faculty members are located at UTSI where they are performing internationally recognized research in engineering, hypersonics, and aviation systems. One of academia’s largest wind tunnels and a NASA Ice Contamination Effects Flight Training Device—the only one in the world within an engineering department—are located at UTSI.



NATIONALLY RECOGNIZED LEADERSHIP IN EDUCATION & RESEARCH

- Leading \$259 million Institute for Advanced Composites Manufacturing Innovation (IACMI—The Composites Institute)
- Leading \$9.9 million NASA University Leadership Initiative (ULI) project to produce a more aerodynamically capable aircraft
- Partner in US Air Force Research Laboratory’s \$9.8 million hypersonics development project
- First engineering department in the world to open a synthetic cadaver “Syndaver” lab
- One of twelve university teams to participate in the EcoCAR Mobility Challenge

RESEARCH FUNDING & COLLABORATIONS

MABE faculty are funded by numerous government and private sources, including:

- Boeing
- Bosch
- ExxonMobil
- General Motors
- Lockheed Martin
- NASA
- National Science Foundation
- National Institutes of Health
- Pratt & Whitney
- US Air Force
- US Army
- US Department of Energy
- US Navy
- Volkswagen

Collaborations

- Arnold Engineering Development Center
- Air Force Research Laboratory
- Oak Ridge National Laboratory
- Manufacturing Demonstration Facility
- University of Tennessee Medical Center, Graduate School of Medicine, and College of Veterinary Medicine