

# MABE Department fact sheet

## FACULTY

### Leadership



Dr. Matthew M. Mench  
Department Head  
1512 Middle Drive  
410 Dougherty Engineering Building  
Knoxville, TN 37996  
Phone: (865) 974-6751  
mmench@utk.edu

@UTKMABE

### Outstanding Faculty

The department includes Governor's Chair of Advanced Composites Manufacturing Uday Vaidya, Governor's Chair of Advanced Manufacturing Suresh Babu, Condra Chair of Excellence Matthew M. Mench, and H.H. Arnold Chair John D. Schmisser.

- 5 Chaired Professorships
- 8 NSF Career or ONR Young Investigator Program Award Winners
- Richard Rosenberg Endowed Assistant Professor of Practice

### Faculty for Fiscal Year 2018-2019

Professors	15
Associate Professors	12
Assistant Professors	14
Lecturer/Professor of Practice	7
Research Assistant Professor	7
Research Professor	2
Clinical Associate Professor	2
<b>Total</b>	<b>59</b>

### Faculty Research Profile

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

- Pratt & Whitney
- U.S. Department of Energy
- The National Science Foundation
- National Institutes of Health
- General Motors
- U.S. Air Force
- ExxonMobil
- Lockheed Martin
- U.S. Navy
- Boeing
- NASA
- Bosch

### Nationally Recognized Leadership in Education and Research



Leading the \$9.9 million NASA University Leadership Initiative (ULI) Project to produce a more aerodynamically capable aircraft



Leading the \$259 million Institute for Advanced Composites Manufacturing Innovation (IACMI)

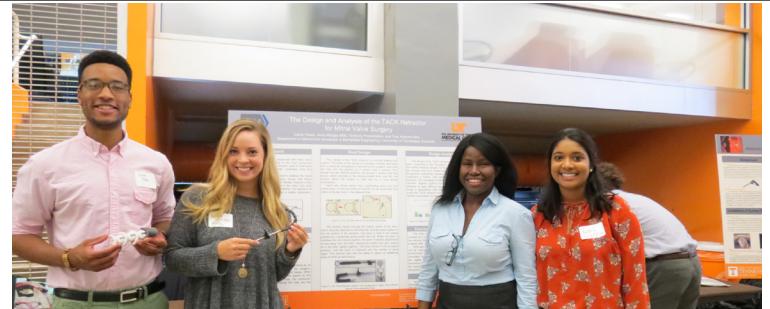


First engineering program in the world to open a synthetic cadaver lab

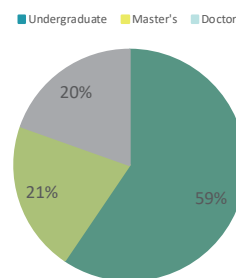
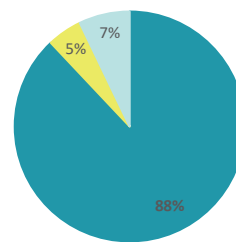


1 of 12 university teams to participate in the EcoCAR Mobility Challenge

## STUDENTS



### Enrolled Students (2018 Fall Semester)



### Undergraduate

1,331

Mechanical Engineering \_\_\_782  
Aerospace Engineering \_\_\_276  
Biomedical Engineering \_\_\_273

### Master's

74

Mechanical Engineering \_\_\_46  
Aerospace Engineering \_\_\_21  
Biomedical Engineering \_\_\_5  
Engineering Science \_\_\_2

### Doctoral

108

Mechanical Engineering \_\_\_66  
Aerospace Engineering \_\_\_18  
Biomedical Engineering \_\_\_16  
Engineering Science \_\_\_2  
Energy Science & Eng. \_\_\_6

### Total

1,513

## UT SPACE INSTITUTE



Location: Woods Reservoir in Tullahoma, Tennessee

- 365-acre graduate education and research institution
- Eleven MABE faculty members located at UTSI
- Founded in 1964 to support Arnold Engineering Development Center at Arnold Air Force Base as a graduate education and research facility
- Internationally recognized for graduate study and research in engineering, physics, mathematics, and aviation systems
- More than 2,000 graduates, including 250 doctorates and nine astronauts