GRADUATE MASTER’S RESEARCH OPPORTUNITY

Tuskegee University Department of Defense-Aerospace Education, Research and Innovation Center (TU DOD-AERIC)

ABOUT TU DOD-AERIC
Education-Research-Innovation-Outreach are the four components of the DOD-AERIC; further information on these components can be found on the DOD-AERIC web site: https://www.Tuskegee.edu/dod-aeric

Graduate students accepted into the program will be involved in Tuskegee-based research that is in partnership with the Department of Defense, aerospace industry, national laboratories, or external academic programs.

RESEARCH TOPICS
Tuskegee graduate students will participate in structured real-world research projects. These projects include:

• Characterization of the fracture resistance of laminated polymeric and ceramic matrix composites
• Degradation of materials/components under extreme conditions
• Mechanical, fracture, fatigue, and morphological evaluation of additively manufactured metallic and polymeric materials/components
• Mechanical and thermal studies of honeycomb structures and adhesively bonded joints
• Microstructural-mechanical property relationships, corrosion, and wear resistance evaluation of steels and alloys

PROGRAM REQUIREMENTS
• Undergraduate degree in engineering and/or closely related field earned from an accredited college or university
• Minimum GPA of 3.0 on a 4.0 grading system
• Acceptance into the Tuskegee University Mechanical Engineering master’s program
• Must be a U.S. Citizen or Permanent U.S. Resident

Interested Engineering students can contact the individuals below for information about the DOD-AERIC MS program.

Mr. Johnny L. Baker
Program Manager, DOD-AERIC
College of Engineering
Mech. Labs, Luther Foster Hall
Tuskegee University
Tuskegee Institute, AL 36088
jbaker@tuskegee.edu

Financial support is available to eligible students

This is an interdisciplinary research in Aerospace and Mechanical Engineering. Apply through the Mechanical Engineering Department

The TU DOD-AERIC program will provide an engaging research environment with partnerships among Department of Defense laboratories, aerospace industries, and academic aerospace and mechanical engineering programs. We offer real-world applications for a successful graduate experience.