



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
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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.