GRADUATE MASTER’S STUDY
RESEARCH OPPORTUNITY

Tuskegee University Department of Defense-Aerospace Education, Research & 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 to the program will be involved in Tuskegee-based research that is in partnership with the Department of Defense, the 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 their 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 the 4.0 grading system
• Acceptance into the Tuskegee University Mechanical Engineering master’s program
• Must be U.S. Citizen or Permanent U.S. Resident

Financial support is available to eligible students.

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

Mr. Arthur Spencer, Jr.
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This is an interdisciplinary research in Aerospace and Mechanical Engineering; apply through 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.