ABOUT TU DOD-AERIC

The TU DOD-AERIC is developing partnerships among the DOD, aerospace industry, National Labs, and academic engineering programs to tackle research needs relevant to the DOD, aerospace and other industry.

COMPONENTS OF TU DOD-AERIC

- **Education** - to develop courseware materials on contemporary aerospace and other engineering topics
- **Research** - to provide qualified students with necessary resources and direction in real world research projects in collaboration with DOD, industry, and academia.
- **Innovation** - to provide students with the environment and resources for exploration
- **Outreach** – to expose high and middle school students to the research and educational elements of aerospace and mechanical engineering

RESEARCH TOPICS

Tuskegee engineering students are participating in structured real-world research projects towards making them a more skilled workforce. These projects include:

- Characterization of the fracture resistance of laminated polymeric and ceramic matrix composites in collaboration with NIAR Center (Wichita State University) and Aviation and Missile Center (Huntsville, AL)
- Mechanical and morphological evaluation of additively manufactured metallic materials, honeycomb structures and adhesives in collaboration with Dynetics, (Huntsville, AL)
- Development of a platform for Unmanned Aerial Vehicles (UAVs) for military vehicles in collaboration with Army Research Laboratory
- Microstructural, mechanical properties, corrosion and wear resistance evaluation of steels, in collaboration with Nucor.

PROGRAM REQUIREMENTS

- Engineering student
- Two (2) semester commitment
- Minimum GPA of 3.0

Financial support (research work study) is available.

APPLICATION PROCESS

Interested engineering students, please submit your resume to:

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**DEADLINE:**
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