

# CAPABILITIES STATEMENT

## TUSKEGEE UNIVERSITY

[https://www.tuskegee.edu/research innovation](https://www.tuskegee.edu/research%20innovation)

**Primary POC:** Dr. Vijay Rangari, Interim Associate VP, Research and Sponsored Programs

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Tuskegee University is a nationally and internationally recognized, independent, and state-related institution of higher learning that is located in the State of Alabama. The University has distinctive strengths in the sciences, architecture, business, engineering, health, and other professions, all structured on solid foundations in the liberal arts. In addition, the University's programs focus on nurturing the development of high-order intellectual and moral qualities among students and stress the connection between education and the highly trained leadership, which Americans need in general, especially for the work force of the 21st Century and beyond. The results we seek are students whose technical, scientific, and professional prowess has been not only rigorously honed, but also sensitively oriented in ways that produce public-spirited graduates who are both competent and morally committed to public service with integrity and excellence.

## Past Performance with Various Funding Agencies



## Core Competencies

<ul style="list-style-type: none"> <li>• Agricultural Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Energy</li> </ul>
<ul style="list-style-type: none"> <li>• Animal and Poultry Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental, Natural Resources and Plant Sciences</li> </ul>
<ul style="list-style-type: none"> <li>• Biological Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Geospatial and Climate Change</li> </ul>
<ul style="list-style-type: none"> <li>• Biomedical Research</li> </ul>	<ul style="list-style-type: none"> <li>• International Research and Development</li> </ul>
<ul style="list-style-type: none"> <li>• Cancer Research</li> </ul>	<ul style="list-style-type: none"> <li>• Materials Science and Engineering</li> </ul>
<ul style="list-style-type: none"> <li>• Ceramics, Metal, and Polymers &amp; Composites</li> </ul>	<ul style="list-style-type: none"> <li>• Public Health</li> </ul>
<ul style="list-style-type: none"> <li>• Computer Science and Engineering and Information Security</li> </ul>	<ul style="list-style-type: none"> <li>• Semiconductors and Microelectronics</li> </ul>
<ul style="list-style-type: none"> <li>• Food and Nutritional Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Veterinary Services</li> </ul>

## Certification and Designations

**UEI:** U9JCYEXFEEU4

**CAGE Code:** 1P3Y2

**Federalwide Assurance:** FWA00003249

**Animal Welfare Assurance:** D16-00536 (A3938-01)

**SAM:** U9JCYEXFEEU4

## NAICS Id(s):

**541310** Architectural Services

**541330** Engineering Services

**541360** Geophysical Surveying and Mapping Services

**541380** Testing Laboratories

**541430** Graphic Design Services

**541511** Custom Computer Programming Services

**541512** Computer Systems Design Services

**541513** Computer Facilities Management Services

**541712** Research and Development in the Physical, Engineering and Life Sciences (Except Biotechnology)

**541519** Other Computer Related Services

**541713** Research and Development in Nanotechnology

**541714** Research and Development in Biotechnology (except Nano biotechnology)

**541715** Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)

**541720** Research and Development in the Social Sciences and Humanities

**541940** Veterinary Services

**611310** Colleges, Universities and Professional Schools

**611420** Computer Training

**923120** Administration of Public Health Programs

**927110** Space Research and Technology

**928110** National Security

**928120** International Affairs

## Centers of Excellence

- Carver Integrative Sustainability Center (CISC)
- Center for Advanced Materials (T-CAM)
- Center for Biomedical Research (NIH-RCMI)
- Center for Food Animal Health, Food Safety, & Food Defense (CFAFSD)
- Center of Information Assurance Education (DHS)
- Center for Research Excellence in Science & Technology (NSF-CREST)
- George Washington Carver Agricultural Experiment Station (Land Grant - USDA)
- National Center for Bioethics in Research and Health Care (NIH)
- NUCOR Education and Research Center (NERC)
- REACH - Road from Early Achievement to a Career High (T-CAEIL)
- Department of Defense-Aerospace Education, Research & Innovation Center (DOD-AERIC)

## Major Research and Sponsored Programs Activities

- **AGEP-T-PAC**-Alliances for Graduate Education and the Professoriate (AGEP): The Tuskegee Alliance to Forge Pathways to STEM Academic Careers (T--PAC)
- **AGEP-PATHs**-The AGEP Historically Black Universities Alliances: A Model to Advance Early Career Minority Faculty in the STEM Professoriate (PATHS)
- **CISC** -The Carver Integrative Sustainability Center Cooperative Extension Program
- **GWCAES**-George Washington Carver Agricultural Experiment Station
- **CREST**-Center of Excellence in Nanobiomaterials Derived from Biorenewable and Waste Resources
- **EPSCoR**-The Alabama Experimental Program to Stimulate Competitive Research
- **HBCU-UP**- Historically Black College and Universities-Undergraduate Program
- **MSP**-Math and Science Partnership
- **RCMI**-Center for Biomedical Research
- **REU**- Research Experience for Undergraduates in Nano-Bio Materials Science and Engineering
- **PREM**-Partnership for Research and Education in Multiferroic Polymer Nanocomposites between Tuskegee University and University of Nebraska-Lincoln.
- **NRT**: Research Training in Sustainable Packaging and Biodegradable Polymer Composites for the Next Generation of STEM Graduates