Institution:
Elizabeth City State University

DUNS No: 066024357          Cage Code: 0JLK0          NACIS ID(s): 541715, 541720, 611310,          SIC: 8221
Federal EIN No: 56-1047680
Certificates, Registrations, Accreditations:  AACSB, ABET-ETAC, CAEP, CSWE, NASM, NCATE, NCDPI, SACSCOC
POC Information:  Annemarie Delgado, MPA, MA, CRA, Director of Sponsored Programs
               Address: 1704 Weeksville Rd., Elizabeth City, NC 27909
               Tel: (202) 252-335-3222  email: adelgado@ecsu.edu
               www.ecsu.edu

OVERVIEW
As a constituent institution of The University of North Carolina System, Elizabeth City State University offers twenty-eight baccalaureate and four master's degrees for a diverse student body in ten academic departments. Our mission is to promote economic, social, and environmental progress for the people of northeastern North Carolina, the state, and the nation. We achieve our commitment to the highest quality education by maintaining a rigorous focus on academic excellence through liberal arts programs and using innovative and flexible technology-based instruction models to enhance our signature areas: integrating technology with education, improving human health and wellness, and advancing the natural and aviation sciences. Through teaching, research, and community engagement, the institution's rich heritage and its current multicultural student-centered focus provide a firm foundation for its endeavors. It serves the needs and aspirations of individuals and society; producing graduates for leadership roles and life-long learning.

RESEARCH CAPABILITIES
Natural Sciences, Pharmacy and Health Professions:  Marine and Coastal Research, Synthetic Biology, Cell & Molecular Biology (Animal & Plant), Microbiology, Parasitology, Biochemistry, Histology, Enzyme Purification, Antiviral Students, Organic & Medicinal Chemistry, Micro and Nano-electronics for Harsh Environment Application, Kinesiology
Health Disparities:  Mental health, obesity, suicide prevention, nutrition
Emergency Management:  Disaster Management, Disaster Recovery, Resiliency, Economic Sustainability, Business Resiliency

FACILITIES
NASA Aerospace Education Laboratory (AEL) – Funded through grants received from NASA and the Golden LEAF Foundation, this lab houses multiple desktop flight simulator stations, renewable energy station (solar panels, wind turbines), hand-held data loggers, aircraft/rocket design stations, wind tunnel, flow-visualization tunnel, weather stations, 3D printers, mobile robotic stations (ground and aerial), and experimental setups to cover various course topics related to STEM education.
**ECSU Khan Planetarium** - The mission of the Khan Planetarium is to serve as a community outreach program and academic support unit that provides educational programming (PK-College level) to ECSU students and faculty, regional schools and the community at-large. The planetarium received funding from the Department of Defense for remodeling and installation of digital upgrades.

**Center for Remote Sensing Education and Research (CSERER)** – Develops and implements innovative and relevant education and research collaborators focused on ice sheet, coastal, ocean, and marine research. The CERSER Laboratory consists of computer workstations on Macintosh, Linux, and Windows platforms; remote storage areas of polar data; servers including a local web server and file server. CERSER operates a Sea Pro Model 210 research vessel with UHF Radio, Raytheon 300 GPS and Raytheon 365 Depth Finder. The vessel utilizes an Imagenex SportScan dual channel, high-resolution, digital sidescan sonar with a 23 meter tow cable. For land research, CERSER utilizes a SIR-3000 Ground Penetrating Radar by Geophysical Survey Systems, Inc. The SIR-3000 is a small, lightweight system designed for single user operation and incorporates advanced signal processing and display capability for in-the-field 3D imaging.

**Science Gateways Community Institute (SGCI)** – NSF-funded, online and in-person resources and services. The goal is to allow science & engineering communities to access shared data, software, computing services, instruments, educational materials, and other resources specific to their disciplines. Institute activities include a 4-week coding institute, hackathon, internships, and young professional program.

**ECSU NASA Mobile STEM Lab** – The mobile lab offers regional schools the opportunity to present science to students who might not otherwise have resources for advanced technology. The lab consists of 10 stations designed to offer student the opportunity to experience cutting edge technology firsthand. The stations cover aviation, technology, robotics, and more.

**Major & Specialized Instrumentation** - Digital Starlab Saturn Package 120V model with Dome, Aviation learning lab, Robotic Faro Arm, Q-Ball Experimental Quadcopter

**PAST PERFORMANCE**
The National Institute of Justice (NIJ) on research aviation options to help the African nation of Kenya combat illegal poaching in its parks and services. The Department of Homeland Security (DHS) to conduct a series of remote sensing and GIS projects in Coastal Hazards and Maritime Environment Security. The National Science Foundation (NSF) to establish the Science Gateways Community Institute (SGCI) a multi-institutional group focused on expanding the capabilities, number and sustainability of science gateways, led by the San Diego Supercomputer Center at the University of California San Diego. The Department of the Navy (DoN) to establish a Materials Research Center to promote basic and applied science research as well as collaborative and innovative research training in areas relevant to the DoD. The Army Research Office (ARO) instrumentation grant will enable ECSU to acquire equipment to be used to investigate the impact of samples size, shapes and edge terminations on the Semiconductor-Metal Transition (SMT) characteristics of thermochromic Vandum Dioxide (VO2) thin films.