



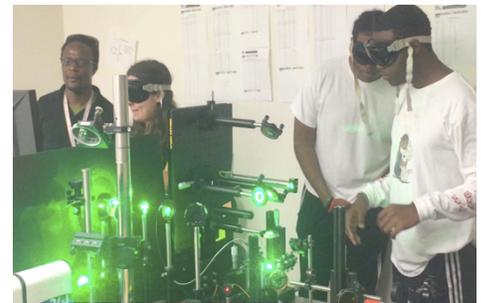
OVERVIEW

The FAMU College of Science and Technology confers STEM degrees across five departments. The Department of Mathematics offers a Bachelor in Mathematics in 3 tracks: Traditional Mathematics, Mathematical Sciences, and Actuarial Sciences; The Departments of Biology and Chemistry both offer Bachelors and Masters degrees; The Department of Computer and Information Sciences offers four undergraduate programs (CS, Cybersecurity, IT and Computer Information Systems) and two graduate programs (CS and Cybersecurity); and The Department of Physics offers Bachelors, Masters degrees, and Doctoral degrees. CST is proud of its ability to provide affordable access to STEM education while serving as a national resource in awarding degrees to African American students in our five areas.

Research collaboration is an important strategy for leveraging in-house capability to expand research scope and impacts. CST maintains collaborations with national laboratories and corporations. The College is approaching \$10 million annually in external funding.

CORE COMPETENCIES

- Cybersecurity and the Internet of Things
- Cybersecurity-aware software engineering
- AI/Machine Learning applied to social media and health disparity
- Blockchain technology • Autonomous vehicle security
- Computational and Applied mathematics
- Cancer Biology and Natural Products
- Plasma Science
- Biological, Chemical, Ecological Imaging and Data Analysis Core Lab
- Big Data I⁴V Research and Learning Lab



Centers and Institutes

- Center for Plasma Science and Technology,
- Center for Spatial Ecology & Restoration CSER – (with USDA Forestry Service)
- Center for Cybersecurity is a National Center of Academic Excellence in Cyber Defense (CAE/CD)
- Cyber Policy (Cy IT) Institute (In partnership with the College of Social Science, Arts, and Humanities)

DIFFERENTIATORS

- National Research Platform and Nautilus Hypercluster Computing Partner
- Affiliation with the NOAA Center for Coastal and Marine Ecosystems led by FAMU
- NSA/DHS National Center of Academic Excellence in Cyber Defense.
- Google Tech Exchange Program.
- Program development with Moffitt Cancer Center
- Observatory with 16" lens telescope
- Development of courses in the MetaUniversity platform

PAST PERFORMANCE

- National Science Foundation
- National Institution of Health
- National Oceanic and Atmospheric Administration
- National Academies of Sciences, Engineering and Medicine
- Department of Energy
- Department of Education
- Microsoft
- Google
- L3 Harris

