



UNIVERSITY OF MARYLAND EASTERN SHORE

The University of Maryland Eastern Shore is a public, 1890 land-grant, historically black university located in Princess Anne, MD. The University is comprised of five schools, 19 departments, and over 50 academic programs. It offers degrees at the baccalaureate, master's, and doctorate level. The University is also a Carnegie Doctoral Research University (R2) with high research activity.

DUNS: 082611302

CAGE: OKCH9

EIN: 52-6002033

NAICS CODES:

54173 - Research and Development in Nanotechnology

54174 - Research and Development in Biotechnology

54175 - Research and Development in Physical, Engineering, and Life Sciences

611301 - Colleges, Universities, and Professional Schools

611512 - Flight Training

CONTACT INFORMATION

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CAPABILITY STATEMENT

Research Initiatives/Capabilities

- **Engineering and Aviation Sciences:** unmanned systems control, computational sciences
- **Business, Management and Accounting**
- **Hospitality and Tourism Management:** international curriculum, training development
- **Technology:** design standards for reducing surface contamination and rainwater
- **Agriculture and Food:** food safety and quality; agribusiness and economic development, food manufacturing and innovation
- **Environmental Sustainability:** conservation and use of coastal marine resources
- **Natural Resources:** toxicology and environmental health; renewable and sustainable energy
- **Human Health and Development:** Youth development; nutrition and vector-borne diseases, program evaluation, needs assessment
- **Health Professions:** medication therapy management; medical cannabis, prostate cancer, neurological disorders, metabolic syndrome, opiate and drug abuse, cardiovascular disease
- **Pharmaceutical Sciences:** pre-clinical development; drug design & discovery; drug delivery and clinical pharmacology; nanomedicine; pharmacokinetics

Differentiators

- Ranked as one of the top 20 Historically Black Universities in the nation by US News and World Report.
- US patents for technology to prevent pipeline ruptures and compounds to screen and treat prostate cancer, and manage drug resistant epilepsy.
- The only Aviation Sciences program in the state of Maryland.
- Motion and Robotics Laboratory - design and test autonomous navigation systems for control, guidance, and navigation.
- Specialized laboratories with equipment to conduct research on neurological and neuromuscular disorders, prostate cancer, and cellular and molecular biology
- Micro-Electromechanical Systems Lab - design, produce, and test microelectromechanical systems and devices.
- State of the Art Food Science and Technology Center equipped to conduct food processing, safety and quality work.

Past Performance

- Established the Chesapeake Water Quality Center that has over 20 years of research focused on improving nutrient management on the Delmarva Peninsula.
- Successful grant funding from federal agencies to include the USDA National Institute of Food and Agriculture, the National Science Foundation, National Institutes of Health, Department of Defense, US Department of Commerce, US Department of Education, and the US Agency for International Development.
- Aviation Sciences - Project title: "Optimal feedback guidance in multi-player co-operative games: applications for unmanned systems' trajectory planning and control", funded by Air Force Research Lab.
- Founded the Living Marine Resources Cooperative Science Center which is supported by the National Oceanic and Atmospheric Administration (NOAA) and is a partnership of seven universities led by UMES that has graduated 362 bachelors, 126 masters and 33 doctoral students.
- Engineering - Project title: "Sparsity Aware Adaptive Radar Sensor Imaging in Complex Scattering Environments", funded by Army Research Office/Army Research Lab.