



# HBCU/MSI JCI FEATURING:

University of Maryland Eastern Shore

Dr. Willie L. Brown, Jr.

Vice Provost for Faculty Affairs

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# VIDEO CLIP INTRODUCTION



**UNIVERSITY OF MARYLAND  
EASTERN SHORE**

# HBCU/MSI NAME

<b>College/ University Name</b>	University of Maryland Eastern Shore	<b>Campus Address:</b>	30665 Student Services Center Princess Anne, MD 21853
<b>President:</b>	Dr. Heidi M. Anderson	<b>Main Phone Number:</b>	(410) 651-7747
<b>Presenter E-mail Address:</b>	wlbrown@umes.edu	<b>Year Established:</b>	1886
<b>Website:</b>	<a href="https://www.umes.edu/">https://www.umes.edu/</a>	<b>Educational Demographic:</b>	<p>The University of Maryland Eastern Shore (UMES) is a public, 1890 land-grant, historically black university located in Princess Anne, MD. The University is comprised of five Schools, 19 departments, and has over 50 academic programs. It offers degrees at the baccalaureate, master's, and doctorate level.</p> <ul style="list-style-type: none"><li>• UMES is a Carnegie Doctoral Research University (R2) with high research activity.</li></ul>

# COLLEGE UNIVERSITY CURRICULUM/PROGRAMS

- School of Business and Technology
  - Department of Business, Management and Accounting
  - Department of Computer Science and Engineering Technology
  - Department of Engineering and Aviation Sciences
  - Department of Hospitality and Tourism Management
  - Department of the Built Environment
- School of Education, Social Sciences, and the Arts
  - Department of Criminal Justice
  - Department of Education
  - Department of English and Modern Languages
  - Department of Fine Arts
  - Department of Mathematics
  - Department of Social Sciences

# COLLEGE UNIVERSITY CURRICULUM/PROGRAMS

- School of Agricultural and Natural Sciences
  - Department of Agriculture, Food and Resource Sciences
  - Department of Human Ecology
  - Department of Natural Sciences
- School of Business and Technology
  - Department of Business, Management and Accounting
  - Department of Computer Science and Engineering Technology
  - Department of Engineering and Aviation Sciences
  - Department of Hospitality and Tourism Management
  - Department of the Built Environment

# COLLEGE UNIVERSITY CURRICULUM/PROGRAMS (CONT.)

- School of Education, Social Sciences, and the Arts
  - Department of Criminal Justice
  - Department of Education
  - Department of English and Modern Languages
  - Department of Fine Arts
  - Department of Mathematics
  - Department of Social Sciences
- School of Pharmacy and Health Professions
  - Department of Kinesiology
  - Department of Physical Therapy
  - Department of Physician Assistant
  - Department of Rehabilitation Services

# COLLEGE UNIVERSITY CURRICULUM/PROGRAMS (CONT.)

- School of Graduate Studies (Master's)
  - Master of Arts in Teaching (M.A.T.)
  - Secondary Teacher Initial Certification
  - Career & Technology Education
  - Counselor Education, M.Ed.
  - Special Education
  - Post Baccalaureate Certificate (PBC)-Special Education
  - PBC-Rural Health Disparities & Social Inequities
  - Applied Computer Science
  - Quantitative Fisheries & Resource Economics
- School of Graduate Studies (Master's)
  - Chemistry
  - Criminology & Criminal Justice
  - Cyber-security Engineering Technology
  - Food & Agricultural Sciences
  - Marine-Estuarine-Environmental Sciences
  - Physician Assistant
  - Rehabilitation Counseling
  - Toxicology
  - Pharmaceutical Sciences
  - Professional Science Master's (P.S.M)

# COLLEGE UNIVERSITY CURRICULUM/PROGRAMS (CONT.)

- School of Graduate Studies  
(Doctoral)

- Doctor of Physical Therapy (D.P.T.)
  - Physical Therapy
- Doctor of Education (Ed.D.)
  - Education Leadership
- Doctor of Pharmacy (Pharm.D.)
  - Doctor of Pharmacy Program

- School of Graduate Studies  
(Doctoral)

- Doctor of Philosophy (Ph.D.)
  - Food and Agricultural Sciences
  - Marine-Estuarine-Environmental Sciences
  - Pharmaceutical Sciences
  - Organizational Leadership
  - Toxicology



# NAICS CODE(S) AND CAPABILITIES

## NAICS Code(s):

- 541713 -Research and Development in Nanotechnology
- 541714 – Research and Development in Biotechnology
- 541715 – Research and Development in Physical, Engineering, and Life Sciences
- 611310 – Colleges, Universities, and Professional schools
- 611512 – Flight Training

## 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
- 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

# HIGHLIGHTS OF UMES RECENT AWARDS AND AGREEMENTS SPONSORED BY NASA

- PI: Dr. Joseph O. Arumala
  - HAWKS MUREP Precollege Summer Institute
  - Sponsor: NASA Minority University Research and Education Project (MUREP) Precollege Summer Institute (PSI)
- PI: Dr. Paulinus Chigbu
  - Student Airborne Science Activation For MSI (SaSa)
  - Sponsor: NASA
- PI: Andy Henry
  - Aerokats and Rover Education Network (AREN), Campus Manager: Chris Hartman
  - Sponsor: NASA Science Mission Directorate Science Education
- PI: Dr. Yuanwei Jin
  - NASA/JPL Trajectory Design Summer School and Activities
  - Sponsor: NASA/JPL
- PI: Dr. Willie L. Brown, Jr.
  - Deploying a Lifecycle-oriented Roadmap (LoR) for Model-Based Systems Engineering (MBSE) of Multi-Complex Environments
  - Sponsor: NASA MSFC/Dual-Use Technology Development Cooperative Agreement
- UMES Agreement POC: Dr. Robert Mock
  - Space Act Umbrella Agreement GSFC-21-34265 for Space Exploration, Science, and Engineering Research, Business, Computer Science and STEM Initiatives
  - Sponsor: NASA Goddard Space Flight Center/Wallops Flight Facility

# COLLEGE/UNIVERSITY CONTACT(S)

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