



Welcome! Wilberforce University



WILBERFORCE
UNIVERSITY

Dr. Marvin L. Reid Jr. – Assistant Professor of Information Systems

Dr. Deok Nam – Professor of Computer Science

July 16, 2018



Wilberforce University

Wilberforce University is the Nation's First Private HBCU. Founded in 1856 by A.M.E. Bishop Daniel A. Payne. Wilberforce University is a fully accredited and a *Premiere Liberal Arts Institution with an Entrepreneurial Intention*. Wilberforce University's mission is to help our students identify and prepare for their respective purposes in life as global citizens by imparting knowledge, instilling discipline and inspiring lifelong learning through critical inquiry, personal and spiritual development, and practical application. Under the leadership of President Elfred Anthony Pinkard, Ed.D, the University is experiencing The Wilberforce Renaissance.

STEM Programs/Majors at Wilberforce University

Natural Sciences

Biology

Health Service Administration

Business and Economics

Accounting

Management

Marketing

Engineering and Computer Science

Computer Science

Computer Engineering

Electrical Engineering

Mechanical Engineering

Nuclear Engineering

Advanced Technical

Intelligence/Remote Sensing

Information Systems and

Operations Management (ISOM)

Other Related Majors

Criminal Justice Administration

Health and Human Services

Degree & Type Awarded

Accounting (B.S.)

Biology (B.S.)

Computer Information Systems (B.S.)

Computer Science (B.S.)

Computer Engineering (B.S.)

Criminal Justice Administration (B.S.)

Electrical Engineering (B.S.)

Advanced Technical Intelligence (B.S.)

Health and Human Services (B.S.)

Health Services Administration (B.S.)

Information Systems and Operations
Management (B.S.)

English (B.A.)

Management (B.S.)

Marketing (B.S.)

Mass Media Communications (B.A.)

Mechanical Engineering (B.S.)

Music (Voice-Piano-Theory-Composition)
(B.A.)

Nuclear Engineering (B.S.)

Organizational Management (B.S.)

Political Science (B.A.)

Psychology (B.A., B.S.)

Rehabilitation Counseling (M.S.)

Rehabilitation Services (B.A.)

Sociology (B.A.)

Social Work (B.A.)

Grants Awarded to WU since 2013

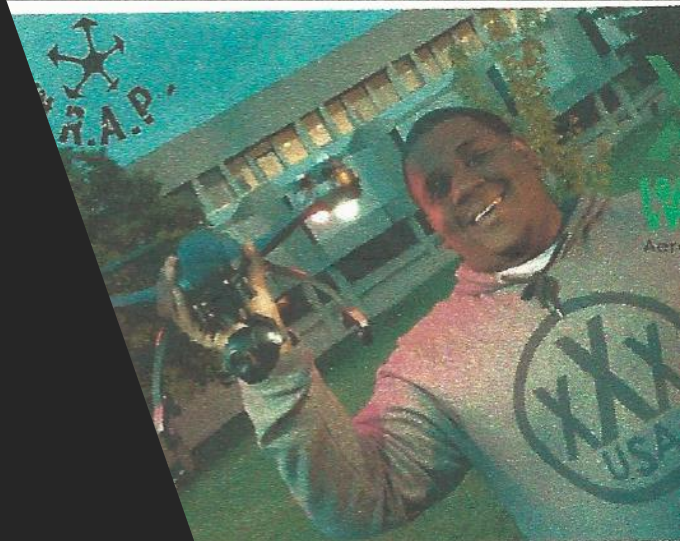
Ohio LSAMP Alliance	OH Campus 08 Voter Grant	ARCC Grant
HBCU Masters Program Grant	SAIC Coop Intern Grant	Coop Education-Pfizer Grant
Ohio Space Grant Consortium/NASA Project	4 Partners Project DMHA	Federation Emplly Guidance Grant
Title III Supplement	NEUP Instrument Grant	NTA Environmental Club Grant
Title III Regular	SBA Technical Grant	Battelle Grant
National Regulatory Commission (NRC)-SB Grant	Porphyrin-Fullerene Comp AF UES	USAID_NAFEO Grant
COPS Grant	SEAT Grant (AT&T)	SEMAA Grant
Department of Energy Grant	DOE/NE Grant (with OSU)	Ohio College Opportunity Grant
EPA Grant	DOE NNSA R&D Grant	Ohio Instructional Grant
Minority Male Grant	Office of Naval Research Grant	Ohio Student Choice Grant
Pejer Grant	National Smart Grant	DC Grant
WISE Grant	Ohio Aerospace Institute Grant	Henry McBay Grant
Wellness Grant	Truth Initiative- Tobacco Free Grant	USIA Grant
National Parks Services Grant	UNCF Career Pathways Initiative	Capacity Bldg. for Traditionally Und Grant
National Rick Management Grant	Great Lakes: Project Success	
ONR/MEPC Grant	Clarkson Aerospace Corp Reimbursement Grant	
NEH Grant	STARS Mentoring Program Grant	
Army Research Grant	SAIC Coop Intern Grant	
STEP -UP	UNCF – Faculty Adv. Tech. Program	
HUD EDI – Special Project Grant	Kresge FDN Grant	

Past Performance (Research Capabilities)

- Developed a cognitive system with wireless sensor network with the application of RFID technology and unmanned mobile robots funded by National Nuclear Security Administration (NNSA) in the Department of Energy (DOE).
- Developed the microarray image scanner using the algorithm for Real Time Scanning of Microarray Images through Embedded Variable Extraction.
- Toward a more complete understanding of Dislocation Behavior in Ti Alloys, for Energy Absorbing Applications. Phase I (ARO/Battelle) and Phase II (ARO), 2011-2013. Publication: “Molecular statics and molecular dynamics simulations of the critical stress for motion of $a/3 \langle 112\bar{0} \rangle$ screw dislocations in α -Ti at low temperatures using a modified embedded atom method potential. Acta Mat. (2013), Vol.61[6], pp. 1904-1912.
- Current partnerships with NASA and The Ohio State research center.

University Instrumentation/Research Equipment

- On-Campus Solar Panels
- Aerial Drone Technology
- Flight Simulation System
- Wind Tunnel Simulation System



The Mark and Shelly Wilson Center for Entrepreneurship and Innovation

- Established in November 2017
- The mission of The Center is to generate change through entrepreneurship and innovation.
- The Center is led by an Executive Director and is supported through an interdisciplinary team referred to as the *Collaborative Leadership Model*.
- The Center for Entrepreneurship and Innovation is capacity building through various signature experiences.
- Anticipated 2019 Training and Learning Schedule and Certification Programs:
 - Drone Technology Certificate of Completion
 - Certificate of Entrepreneurial Studies
 - Tech Start Up Design Lab

Ways to Collaborate with the WU

- Community of Sustainability (Solar and Agriculture farming)
- Unmanned Aerial Systems Certificate Program
- Tech Start-Up and Design Laboratory
- Reimagining the NASA Science, Engineering, Mathematics and Aerospace Academy (SEMAA) and the associated Aerospace Education Laboratory (AEL)

University Point of Contact

Dr. Tashia L. Bradley | Executive Vice President/
Chief Innovation Officer
Or

Cynthia Roseberry | Vice President for Institutional
Advancement/Executive Director of The Mark and Shelly Wilson
Center for Entrepreneurship and Innovation

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Suo Marte

“By one’s own toil, effort,
courage”

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