



PRAIRIE VIEW A&M UNIVERSITY

THE HISTORICALLY BLACK COLLEGE AND UNIVERSITY LANDSCAPE

RUTH J. SIMMONS
PRESIDENT



Historically black colleges and universities (HBCUs) are institutions of higher education that were established before the Civil Rights Act of 1964 with the intention of primarily serving the African-American community.

There are 101 HBCUs in the United States, including public and private institutions.

**Down from the 121 institutions that existed during the 1930s.*

Among HBCUs: 27 offer doctoral programs, 52 schools offer master's programs, 83 colleges offer bachelor's degree programs and 38 schools offer associate degrees.



ABOUT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES

HBCUs have provided scholarly training to more than 70% of African Americans holding doctorate degrees in all disciplines.

HBCUs are leading institutions in providing baccalaureate degrees to African American students in life sciences, physical sciences,

HBCUs are the baccalaureate origins of one-quarter to one-third of black science and engineering (S&E) doctorate recipients.*

HBCUs rank highly in producing African American students who pursue professional and graduate degrees.



Diverse Magazine
**National Science Foundation*

**BROADER
SIGNIFICANCE
OF HBCUs**

ABOUT PRAIRIE A&M UNIVERSITY



Established during the Reconstruction Period after the Civil War



Second oldest public institution of higher education in Texas.



Established by the Texas Legislature in 1876 as the "Agricultural and Mechanical College of Texas for Colored Youths".



Board of Directors of the Agricultural and Mechanical College at Bryan (now Texas A&M University) was designated as responsible for its management.



1890 HBCU LAND GRANT INSTITUTIONS



Alabama A&M University
 Alcorn State University
 Central State University
 *Delaware State University
 *Florida A&M University
 Fort Valley State University
 Kentucky State University
 Langston University
 Lincoln University
 *North Carolina A&T State University
 Prairie View A&M University
 South Carolina State University
 Southern University System
 Tennessee State University
 *Tuskegee University
 University of Arkansas Pine Bluff
 *University of Maryland Eastern Shore
 *Virginia State University
 West Virginia State University

*Denotes 1890 HBCU Land Grant Institutions Ranked Higher than PVAMU

PVAMU QUICK FACTS

PVAMU named a **Best Value** among Southern Public Universities by Washington Monthly Magazine in 2016.

Diverse Issues in Higher Education

Rankings 2017:

- #1 in Producing African American Undergraduate Architects
- #1 in Producing African American Graduate Architects
- #4 in Producing African American Undergraduate Engineers
- #13 in Producing African American Doctoral Degree Earning Engineers
- #4 in Producing African American Graduate Psychologists
- #13 in Producing Undergraduate Agriculture, Agriculture Operations, and Related Sciences Professionals

GROWING ENROLLMENT

This fall, PVAMU reported Record Enrollment with an overall headcount of 9,516 students
Is this too fast?

DOES IT HAMPER NEAR-TERM IMPROVEMENT IN QUALITY?



2019 U.S. NEWS AND WORLD REPORT RANKING OF TOP 10 HBCUS

| RANK | UNIVERSITY | LOCATION |
|------|--------------------------------|------------------|
| 1 | SPELMAN COLLEGE | ATLANTA, GA |
| 2 | HOWARD UNIVERSITY | WASHINGTON, DC |
| 3 | HAMPTON UNIVERSITY | HAMPTON, VA |
| 4 | MOREHOUSE COLLEGE | ATLANTA, GA |
| 5 | XAVIER UNIVERSITY OF LOUISIANA | NEW ORLEANS, LA |
| 6 | FISK UNIVERSITY | NASHVILLE, TN |
| 20 | PRAIRIE VIEW A&M UNIVERSITY | PRAIRIE VIEW, TX |



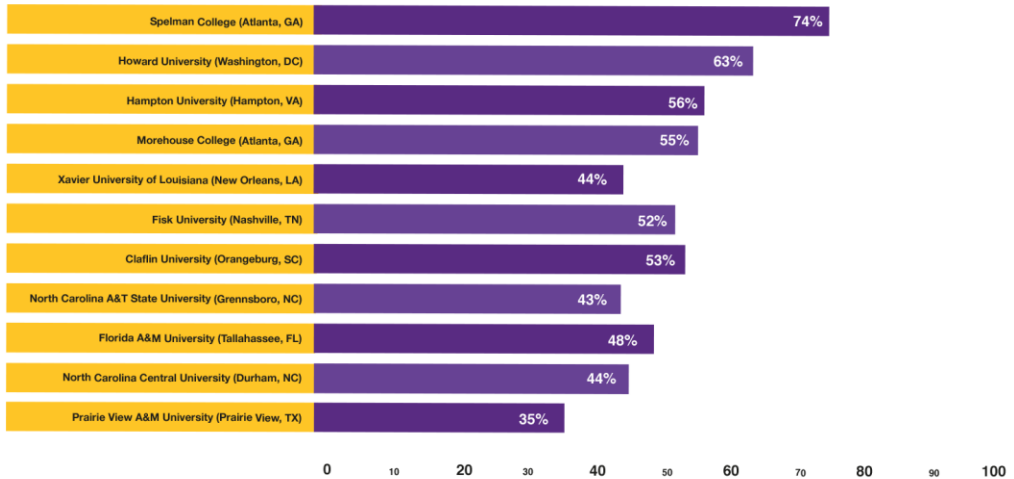
- Outcome Measures (30%)
- Assessment by Administrators at peer HBCUs (25%)
- Faculty Resources (Class Size and Faculty Salary) (20%)
- Financial Resources (10%)
- Student Excellence (SAT scores and High School Class Rank) (10%)
- Alumni Giving (5%)



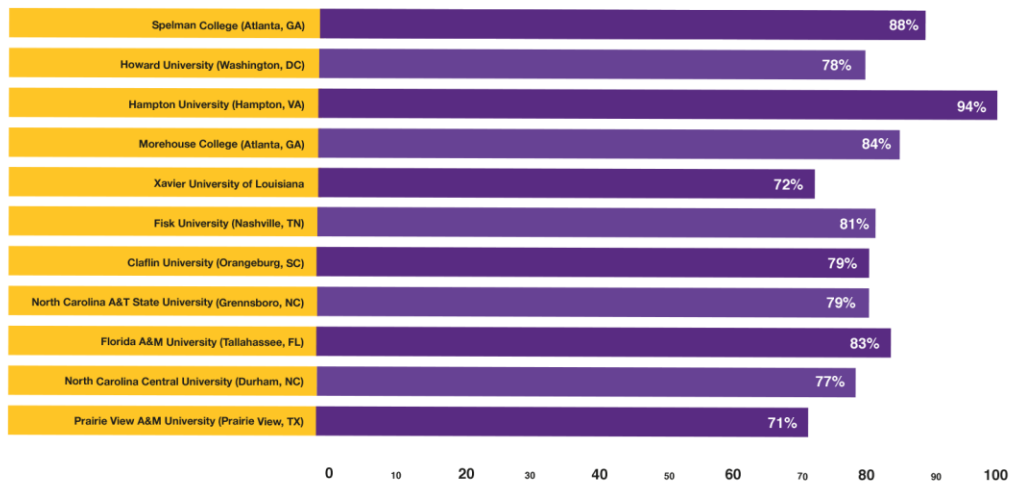
**U.S. NEWS AND
WORLD REPORT
RANKINGS INDICATORS
USED TO CAPTURE
ACADEMIC QUALITY**

HOW PVAMU COMPARES

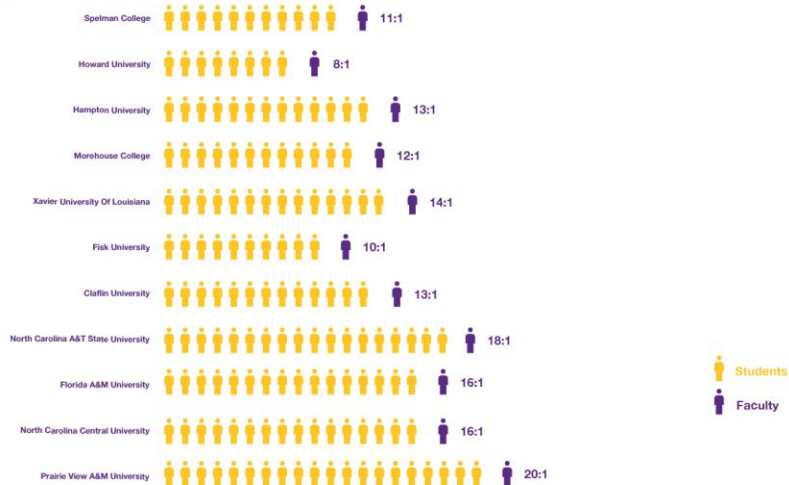
OUTCOME MEASURES GRADUATION RATES



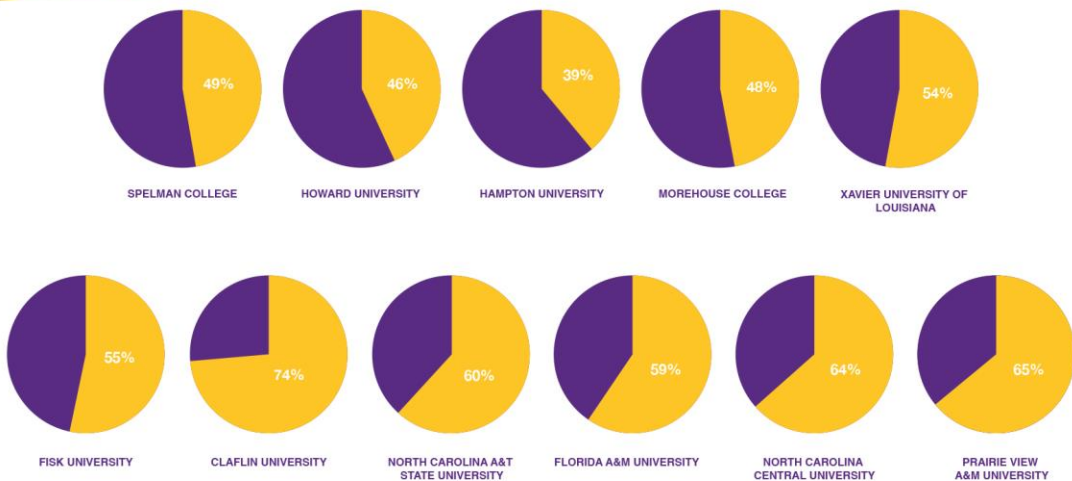
OUTCOME MEASURES RETENTION RATES



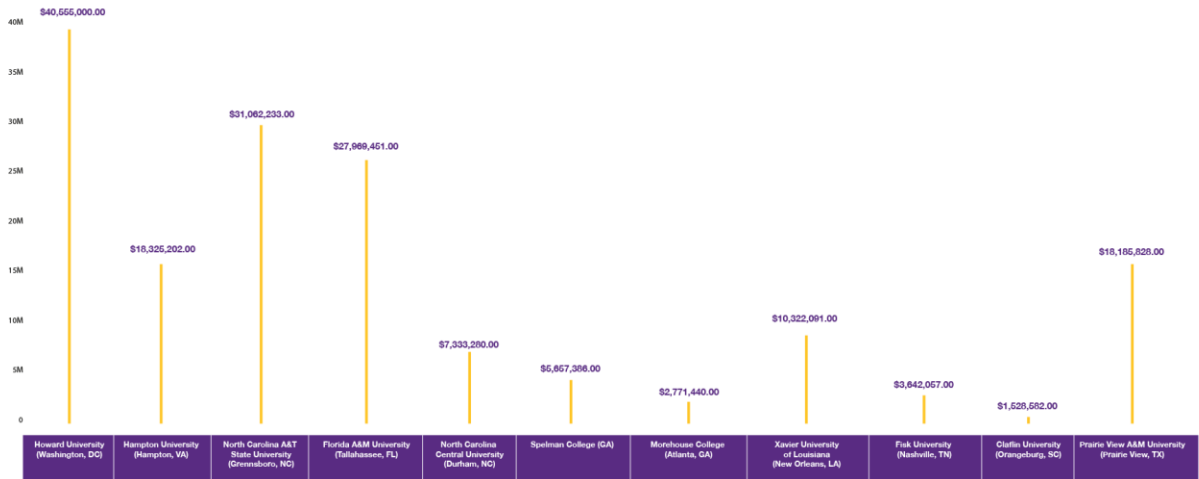
STUDENT FACULTY RATIO



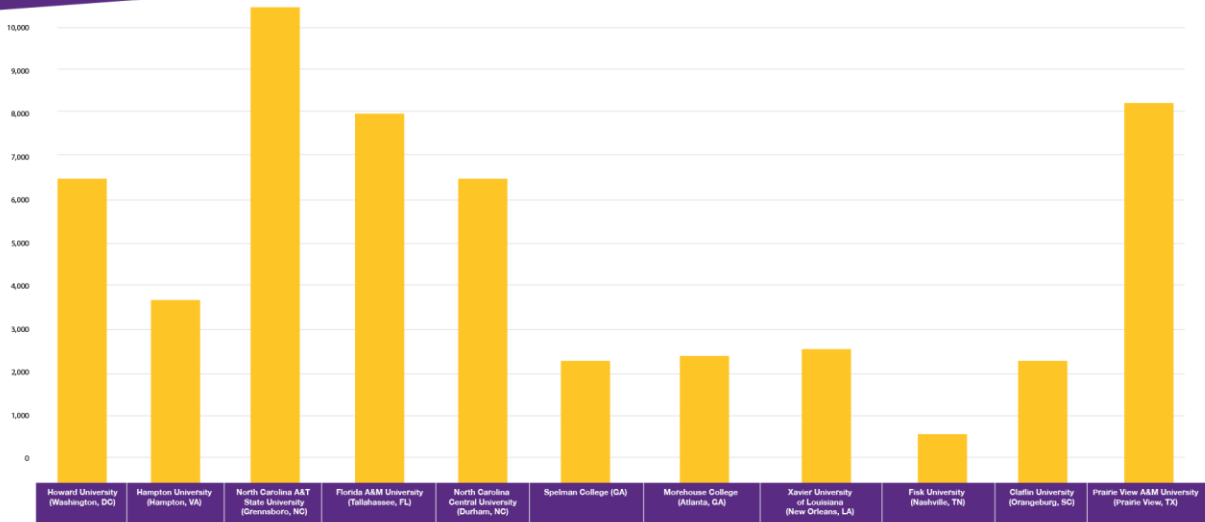
PELL GRANT ELIGIBILITY



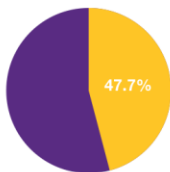
OUTCOME MEASURES RESEARCH EXPENDITURES



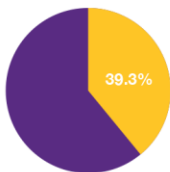
OUTCOME MEASURES TOTAL UNDERGRADUATE ENROLLMENT



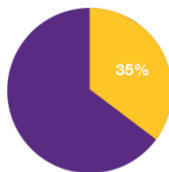
AVERAGE PERCENTAGE OF ALUMNI WHO DONATED



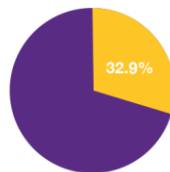
CLAFLIN UNIVERSITY (SC)



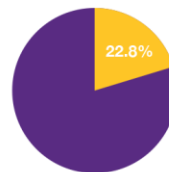
SPELMAN COLLEGE (GA)



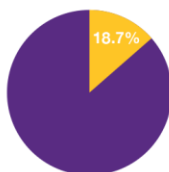
BENNETT COLLEGE (NC)



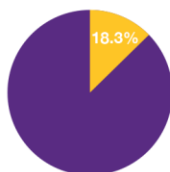
LANE COLLEGE (TN)



FISK UNIVERSITY (TN)



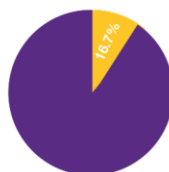
TOUGALOO COLLEGE (MS)



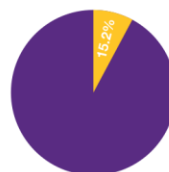
TUSKEGEE UNIVERSITY (AL)



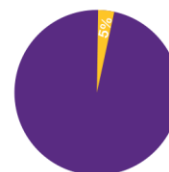
JOHNSON C. SMITH UNIVERSITY (NC)



XAVIER UNIVERSITY OF LOUISIANA



HAMPTON UNIVERSITY (VA)



PRAIRIE VIEW A&M UNIVERSITY (TX)

WHAT DOES IT TAKE TO BECOME A TOP RANKING HBCU?



GREATER INVESTMENTS IN RESEARCH

- The Cooperative Agricultural Research Center (CARC)
- The International Goat Research Center (IGRC)
- The Radiation Institute for Science and Engineering (RaISE)
- The Minority Achievement, Creativity, and High Ability Center (MACH-3)
- Secure Center of Excellence
- The Center for Advancing Innovations in Smart Microgrid
- The Center for Energy and Environmental Sustainability (CEES)
- The Center of Excellence for Communication Systems Technology Research (CECSTR)
- The Center of Excellence in Research and Education for Big Military Data Intelligence (CREDIT)

WHAT DOES IT TAKE TO BECOME A TOP RANKING HBCU?



- The Computational Biology and Bioengineering Research Center
- The Future Aerospace Science and Technology Center
- The Center for Radiation Engineering and Science for Space Exploration
- The Texas Gulf Coast Environmental Data Center
- The Thermal Science Research Center

LASER FOCUS ON ACADEMIC QUALITY AND OUTCOMES

FACULTY RECRUITMENT, DEVELOPMENT PARTNERSHIPS

IMPROVED STUDENT OUTCOMES

IMPROVED INSTITUTIONAL PROFILE

Chancellor's Research Initiative

Created a network of Faculty Fellows who will advance the intellectual climate and deepen the research and graduate experience at PVAMU.

- PVAMU selected as one of 15 cohorts among HBCUs to become part of the Innovation and Entrepreneurship Collaborative.
- Team of faculty from Business, Engineering along with students and staff determined that there was a need to dedicate PVAMU campus space to creating prototypes and producing academic and industry research.
- Construction of New Innovation and Commercialization Center for Entrepreneurs (ICCE)
 - 20,000 Square feet
 - Public/Private Partnership



SUPPORTING THE PVAMU RESEARCH ENTERPRISE

RESEARCH & SCHOLARSHIP

Andrew W. Mellon Foundation has awarded PVAMU a grant of **\$500,000** to support effort to establish African-American Studies Initiative: Enhancing the Humanities at PVAMU through African-American Studies Program

- Selectively infuse African American Studies content throughout the university's liberal arts offerings

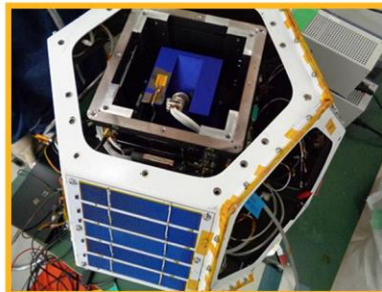


**RECEIVING
GRANT
SUPPORT
FOR NEW
INITIATIVE**

The PVAMU payload is the primary radiation science investigation instrument on the Japanese Ten-Koh spacecraft.

SHARP-CPD

- Six radiation Sensors
- Two X-Ray Detectors
- One Particle Spectrometer



**BROADENING
RESEARCH CAPACITY**

Received \$5.3 million from the Texas A&M Chancellor's Research Initiative Fund to establish the Integrated Food Security Center (IFSRC)

Center will address Food insecurity for three of the nation's most insecure counties:

- Harris
- Dallas
- Tarrant



**NEW
FOOD SECURITY
CENTER**

S.E.C.U.R.E.

(Systems to Enhance Cybersecurity for Universal Research Environment)

Center of Excellence

- Dedicated to developing innovative solutions to meet the growing demand for global cybersecurity solutions.
- The Center will lead research efforts and serve as both a resource and educational core for military, industry and academic endeavors and collaborations.

SECURE
CENTER OF EXCELLENCE
Systems to Enhance
CYBERSECURITY
for Universal Research Environments



**ESTABLISHED
SECURE CYBERSECURITY
CENTER OF EXCELLENCE**

PVAMU Researcher, Dr. Na Li, in collaboration with Dr. Lin Li and Dr. Li Yang (University of Tennessee at Chattanooga) were awarded a **\$300,000 grant** from the National Science Foundation (NSF) for developing innovative privacy learning modules to engage students in cybersecurity education.



**PVAMU
CYBERSECURITY
RESEARCHERS
RECEIVE NSF GRANT**

IMPROVING STUDENT OUTCOMES

- Increase Advising Availability
- Online Tutoring
- Peer Tutoring in All Colleges
- Early intervention for students experiencing difficulties

EXPANDING ACADEMIC SUPPORT SERVICES



APPOINTING NEW & EXCITING FACULTY



Melanye Price, Ph.D.
(Rutgers University)

Endowed Professor of Political Science

Principle Investigator for the Mellon Foundation

- Research/teaching interests include black politics, public opinion, political rhetoric and social movements.



Pamela Holland Obiomon, Ph.D.
(PVAMU alumna)

**Hired as first female dean of the
Roy G. Perry College of Engineering.**

- Expertise in integrated microsystems for environmental sensing powered by energy scavenging
- Published 52 papers in refereed journals and won more than \$14 million in research funds as a PI.



Peter Ampim, Ph.D.
(Mississippi State)

Assistant Professor of Plant and Soil Sciences

- Expertise in specialty crops, urban agriculture and precision agriculture.
- Interest in best management practices for vegetable and fruit crops, community gardening, and water management in cropping systems.

APPOINTING NEW & EXCITING FACULTY



Yuki Shigemoto, Ph.D.
(Texas Tech)

Assistant Professor of Psychology

- Expertise in examining protective factors against stressful/traumatic events.
- Guided by positive psychology framework, theories of coping, and models from posttraumatic stress disorder (PTSD) and posttraumatic growth.



Abdullah Cihan, Ph.D.
(Sam Houston State)

Assistant Professor of Justice Studies

- Research published in peer reviewed academic journals, including Journal of Criminal Justice, Journal of Human Behavior in the Social Environment, Policing: An International Journal of Police Strategies and Management, Police Quarterly, Police Practice and Research, Security Journal, and The Prison Journal.



Audra Harl, Ph.D.
(Virginia Tech)

Assistant Professor of Animal Sciences

- Expertise in animal reproductive physiology as it pertains to cattle, sheep and goats
- Expertise in genetics and meat science

Hosted Department of Defense Historically Black Colleges and Universities and Minority-Serving Institutions Technical Assistance Workshop

- Event increased awareness of DoD grant opportunities and provided a platform for collaboration with federal agencies

Created first NASA Day on “the Hill”

- Event brought officials from NASA to campus to network and share expertise with faculty and students.



**EXTENDING
PARTNERSHIPS**

INCREASED PRESENCE WITH DONORS

Hired experienced Vice President for Development



The New York Times

HOUSTON★CHRONICLE

**BLACK
ENTERPRISE**

INCREASED VISIBILITY IN PUBLICATIONS

Over two years, media placements and mentions for PVAMU tripled



RAISED AWARENESS OF ALUMNI

Hired Alumni Relations Director. Held various alumni events around the country



**RAISING THE
INSTITUTIONAL
BAR**

INCREASE PHILANTHROPIC GIVING AMONG ALUMNI



- Educating alumni about Annual Fund and the direct impact it has on student life.
- Providing alumni more opportunities to give through Annual Fund.
- Creating Giving Societies to recognize the generosity of PVAMU alumni.



THANK YOU

