

# Leadership North Carolina Education Session



# University Overview



*Leadership North Carolina*

Oliver M. Thomas, Ph.D.

December 7, 2022



# A&T Quick Look

- **Established in Raleigh in 1891**; moved to Greensboro the following year. The second land grant created nationwide in response to the 2<sup>nd</sup> Morrill Act, which President Benjamin Harrison signed into law. A&T became a:
  - ✓ **regional university in 1967**,
  - ✓ a campus of the **UNC System in 1972**, and
  - ✓ a **doctoral/research university in 2004**.
- As recently as 2013, A&T had 10,561 students. In 2014, we reached 10,725 and became **America's largest historically Black college or university (HBCU)**, a position we have held every year since.



*Built in 1893, the College Building was one of the Agricultural and Mechanical College for the Colored Race's first buildings. It was destroyed by fire in 1930.*



# UNC System Peers

## **Doctoral – Very High Research Activity (R1)**

University of North Carolina Chapel Hill  
North Carolina State University

## **Doctoral – High Research Activity (R2)**

### ***North Carolina A&T State University***

East Carolina University  
University of North Carolina Charlotte  
University of North Carolina Greensboro  
University of North Carolina Wilmington

## **Masters Colleges and Universities**

### **Larger Programs**

Appalachian State University  
North Carolina Central University

## **Larger Programs (cont.)**

University of North Carolina Pembroke  
Western Carolina University

## **Masters Colleges and Universities**

### **Medium Programs**

Fayetteville State University  
Winston-Salem State University

## **Baccalaureate Colleges: Diverse Fields**

Elizabeth City State University

## **Special Focus, 4-Year: Art, Music & Design**

University of North Carolina School of the Arts

## **High School**

North Carolina School of Science and Mathematics



# BOG Peer Group

*Peers approved by the UNC Board of Governors, November 2020.*

- Florida Agricultural and Mechanical University
- Montana State University
- New Mexico State University – Main Campus
- Old Dominion University
- South Dakota State University
- University of Texas at El Paso
- University of Louisiana at Lafayette
- University of Maine
- Wichita State University
- University of Southern Mississippi
- North Dakota State University – Main Campus





# Colonial Athletic Association



- University of Albany
- University of Delaware <sup>1, 2, 3, 4</sup>
- University of Maine <sup>1, 2, 3, 4</sup>
- University of Rhode Island <sup>1, 2, 3, 4</sup>
- University of New Hampshire <sup>1, 2, 3</sup>
- Elon University
- Hampton University <sup>4</sup>
- Richmond University
- Monmouth University
- Northeastern University <sup>4</sup>
- Towson University <sup>4</sup>
- Stony Brook University-SUNY <sup>1, 3, 4</sup>
- Villanova University <sup>4</sup>
- William and Mary College

<sup>1</sup> Flagship, <sup>2</sup> Land Grant, <sup>3</sup> Sea Grant, <sup>4</sup> Space Grant

## LEADERSHIP: BOARD OF TRUSTEES



Hilda Pinnix-Ragland, Chair  
Reappointed in 2021 by BOG  
SVP, Duke Energy  
(Retired)



John W. Bluford III,  
Vice Chair  
Reappointed in 2019  
by BOG  
President/ Founder,  
Bluford Healthcare  
Institute



Kimberly Gatling,  
Secretary  
Appointed in 2019 by BOG  
Partner, Fox  
Rothschild LLP



Calvin Brodie  
Appointed in 2017  
by N.C. Senate  
President, Brodie  
Contractors, Inc.



Mark Copeland  
Appointed in 2019  
by N.C. Senate  
Partner, Ernst &  
Young, LLP

## LEADERSHIP: BOARD OF TRUSTEES



**William Dudley**  
Reappointed in  
2021 by BOG  
Attorney



**Venessa Harrison**  
Reappointed in  
2019 by BOG  
President, AT&T  
Georgia



**Paul Jones**  
Appointed in 2017  
by N.C. House of  
Representatives  
Judge, NC  
Superior Court  
(Retired)



**Timothy King**  
Reappointed in  
2019 by BOG  
VP, The Dow  
Company  
(Retired)



## LEADERSHIP: BOARD OF TRUSTEES



Joseph R. Parker, Jr.  
Reappointed in  
2021 by BOG  
SVP, Wachovia Bank  
(Retired)



Bhaskar Venepalli  
Appointed in 2019  
by N.C. House of  
Representatives  
President & CEO,  
CiVentiChem

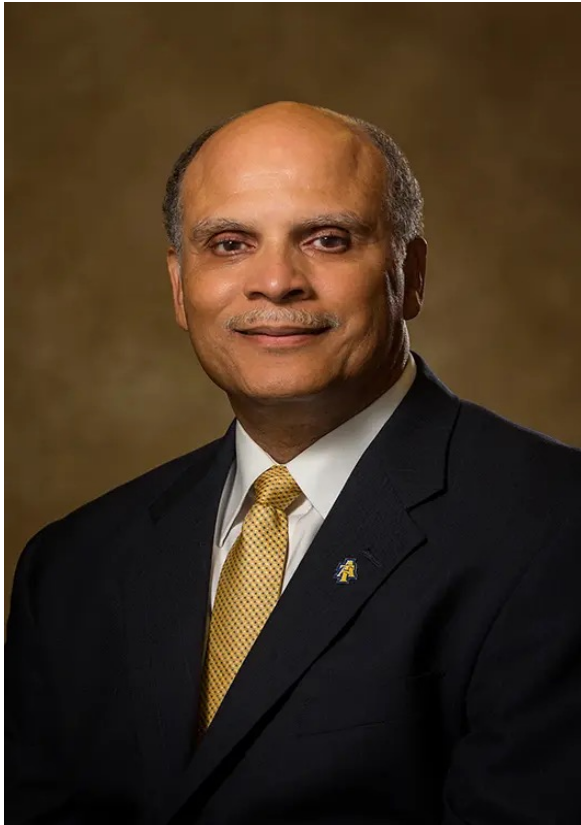


Lynn Perry Wooten  
Appointed in 2021,  
by BOG  
President,  
Simmons University



Ezana Tamrat  
President, Student  
Government  
Association  
2022-2023

## LEADERSHIP: CHANCELLOR Harold L. Martin, Sr.



Elected the 12th chancellor of North Carolina Agricultural and Technical State University on May 22, 2009.

The first alumnus to serve as the university's chief executive and is the longest currently serving chancellor in the University of North Carolina System.

40+ years of transformative leadership experience in higher education.

## LEADERSHIP: CHANCELLOR'S CABINET



Tonya Smith-Jackson, Ph.D.  
Provost and Executive Vice  
Chancellor for  
Academic Affairs



Erin Hill Hart, M.S.  
Chief of Staff



Veronica Sills, Ed.D.  
Chief Human  
Resources Officer



Earl M. Hilton, J.D.  
Director of  
Athletics



Melissa Holloway, J.D.  
Vice Chancellor for  
Legal Affairs, Risk &  
Compliance and  
General Counsel

## LEADERSHIP: CHANCELLOR'S CABINET



Tom Jackson, M.B.A., M.S.  
Vice Chancellor  
for Information Technology  
Services



Eric Muth, Ph.D.  
Vice Chancellor  
for Research &  
Economic  
Development



Melody Pierce, Ph.D.  
Vice Chancellor for  
Student Affairs



Robert Pompey, M.B.A.  
Vice Chancellor for  
Business and Finance



Ken Sigmon, M.B.A.  
Vice Chancellor for  
University  
Advancement



# Our Bold New Mission

“An 1890 land-grant, doctoral, ‘high research activity’ university, North Carolina Agricultural and Technical State University prepares students to advance the human condition and facilitate economic growth in North Carolina and beyond by providing a preeminent and diverse educational experience through teaching, research and scholarly application of knowledge.”

*Approved by North Carolina A&T Board of Trustees on May 26, 2022, and UNC Board of Governors on July 20, 2022*



# Academic Structure, Impact

## College & School Designations

- A&T Online
- College of Agriculture and Environmental Sciences
- College of Arts, Humanities and Social Sciences
- College of Education
- College of Engineering
- College of Science and Technology
- John & Kathy Hairston College of Health and Human Sciences
- Joint School of Nanoscience and Nanoengineering
- Willie A. Deese College of Business and Economics

**IMPACT:** *A&T's range of academic disciplines, special strengths in STEM, student diversity and size make it a top contributor to the N.C. workforce. In areas such as post-harvest technologies and clean energy, it is addressing specific N.C. challenges in its research labs.*



U.S. Sec. of Commerce Gina Raimondo, Asst. Sec. Alejandra Castillo, Gov. Roy Cooper and N.C. Sec. of Commerce Michele Baker Sanders announce a \$23.7M clean energy job development grant to A&T in August.

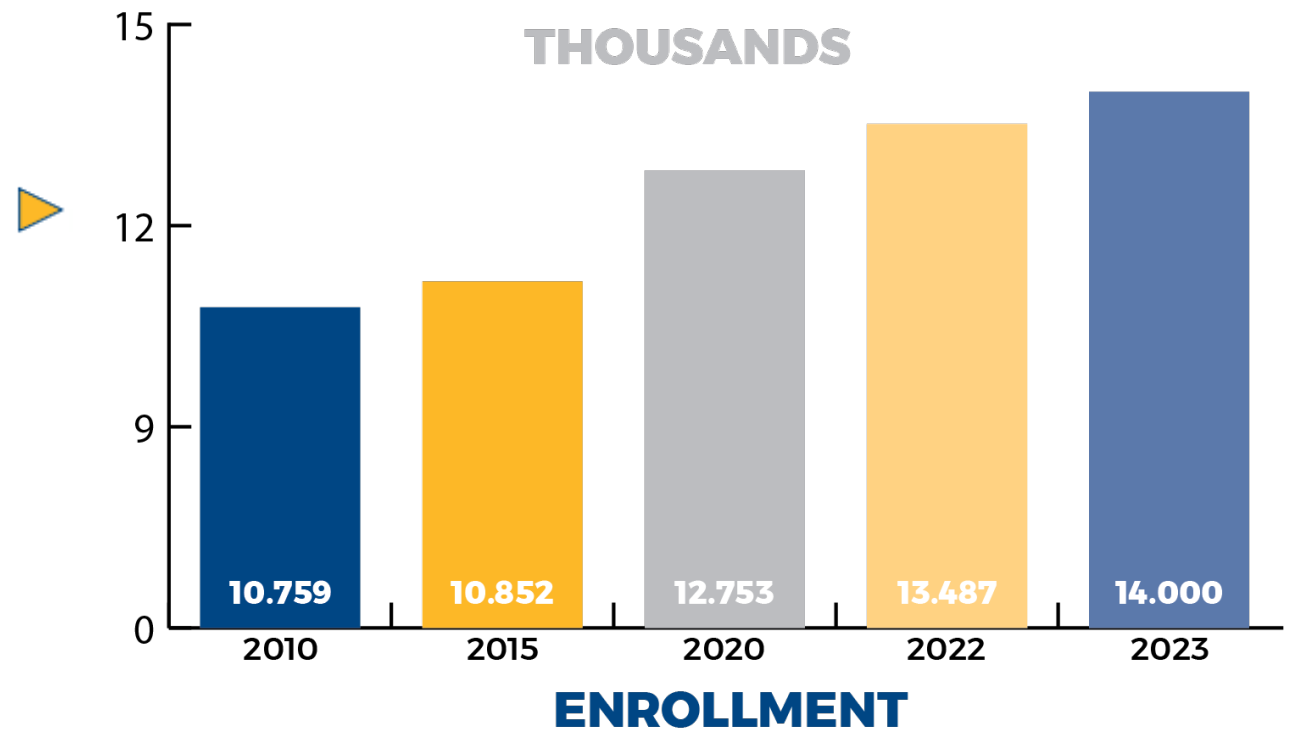


# The Student Boom Continues

**2022 Fall Enrollment: 13,487**

**Our student body** has grown by 24% since creation of the Preeminence 2020 strategic plan. It is now within 500 students of its 14,000 goal for 2023.

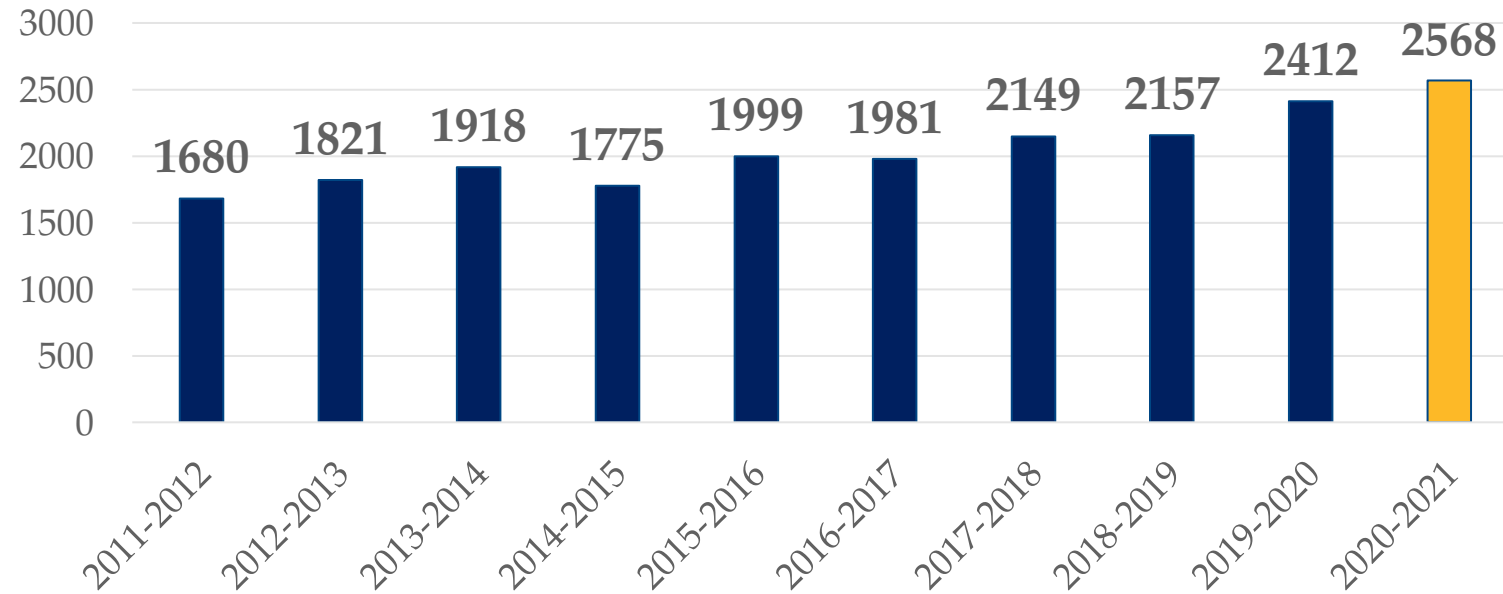
We are the nation's largest historically Black university for the 9th straight year and the largest HBCU ever.





# National Academic Leadership

*A&T  
By Degrees*

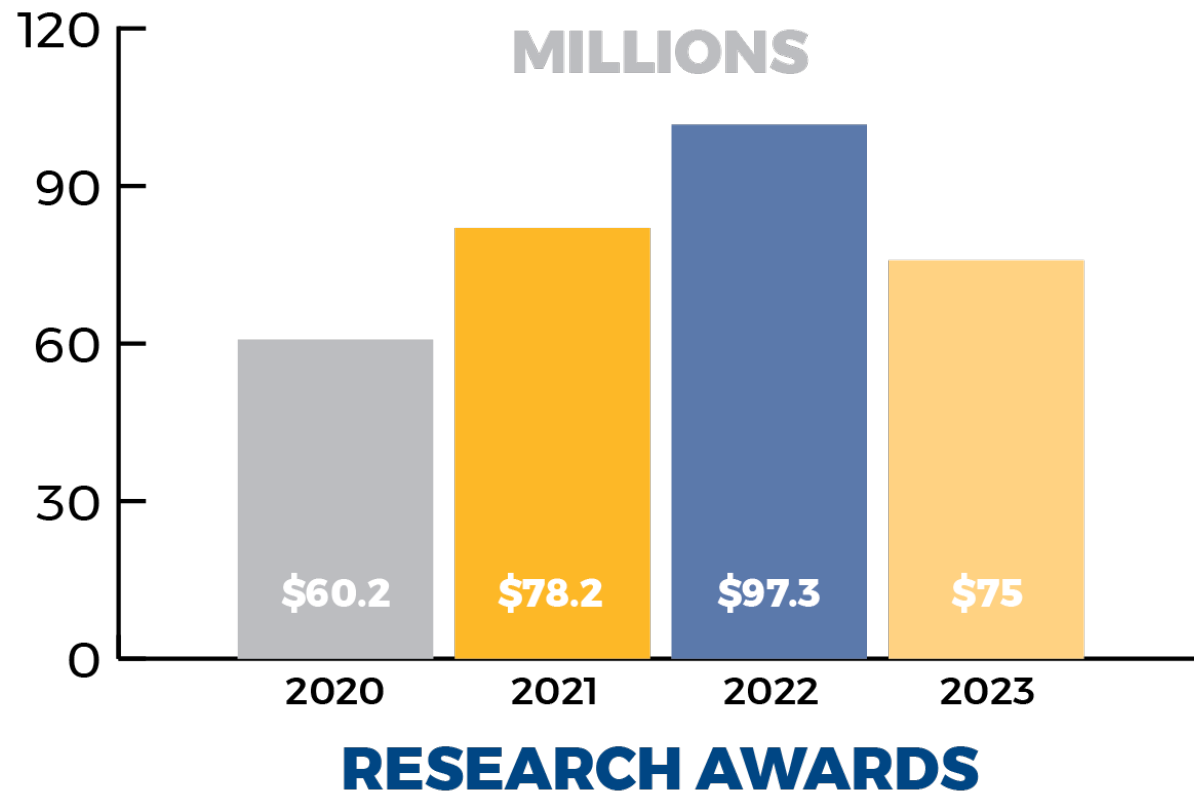


- A&T enrolls more Black 1<sup>st</sup> year students annually than the **top 10 national universities** in *U.S. News & World Report's "Best Colleges," combined*.
- We now **graduate ~2,600 students annually**, a figure that grows each year.
- We award **more undergrad. degrees to African Americans** in liberal arts, agriculture, journalism & engineering than any other campus.
- Also, **top producer** in engineering technologies, kinesiology and family & consumer sciences





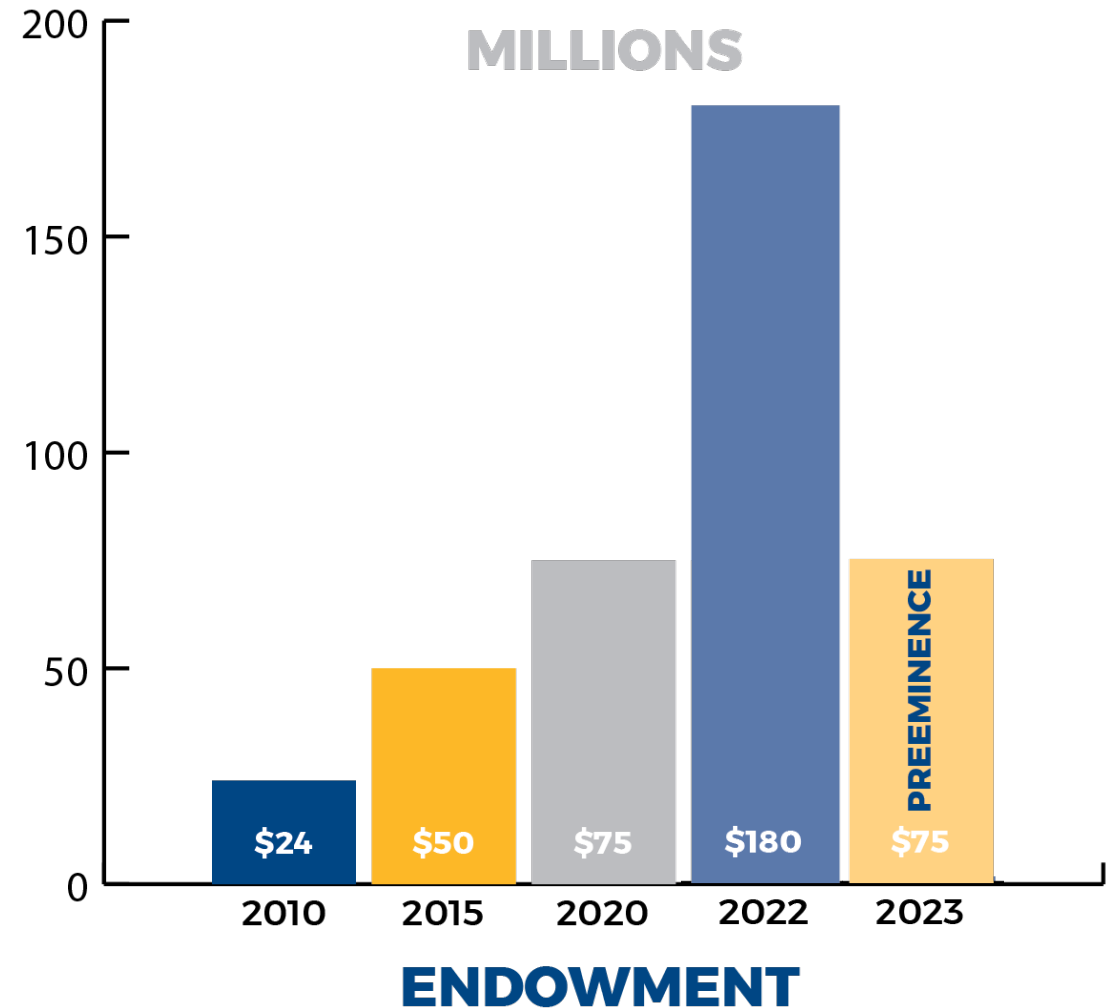
# Data Points



- ▶ **Sponsored research** at A&T has grown by 62% over the past two years, with faculty earning a record \$97.3 million in contracts and grants in FY22. The new year is off to a fast start, with multiple seven- and eight-figure awards in the early days of FY23.



**Fundraising** at A&T has increased to more than \$180M. University Advancement has raised nearly \$123M in the last two years.





# Endowment: Impact



*With the A&T endowment expected to surpass \$200M this year, it provides growing income that supports the aspirations of our institution:*

- **Scholarships** Cheatham-White, Dowdy and now February One Scholars
- **Faculty Sabbatical Awards** First sabbaticals ever awarded by A&T were made last spring; first two awardees are on leave this fall, pursuing focused academic projects.
- **Centers of Excellence** under creation in the College of Arts, Humanities and Social Sciences, Hairston College of Health and Human Sciences and College of Education.



# Endowment Impact

FACULTY



**Henry E. Frye Distinguished  
Professorship** (Dr. Jelani Favors,  
CAHSS)

**Bryant Howroyd-News & Record  
Professorship** (Dr. Robbie Morganfield,  
CAHSS)

**W.K. Kellogg Distinguished Professorship** (Dr.  
Chyi-Lyi [Kathleen] Liang, CAES)

**N.F. Simms Jr. Distinguished Prof./C.D. Spangler  
Foundation.** (Dr. Robert Newman, COST)

**HE Systems Endowed Professorship** (Dr.  
Jaganathan Sankar, Engineering)

**Transportation Institute UPS Endowment** (Dr.  
Rongfang Liu, Deese College)

**Duke Power EE Professorship** (Dr.  
Abdollah Homaifar, Engineering)

**C.D. Spangler Foundation Fort  
Professorship** (Dr. Edward Fort,  
Education)

**BCBS NC Urban Food Systems Professorship** (Dr.  
Hao Feng – offer accepted, CAES)

**Distinguished Professorship in Agriculture &  
Environmental Science** (Dr. Shengmin Sang, CAES)

**Center of Excellence in Product Design and  
Advanced Manufacturing** (Dr. Salil Desai,  
Engineering)

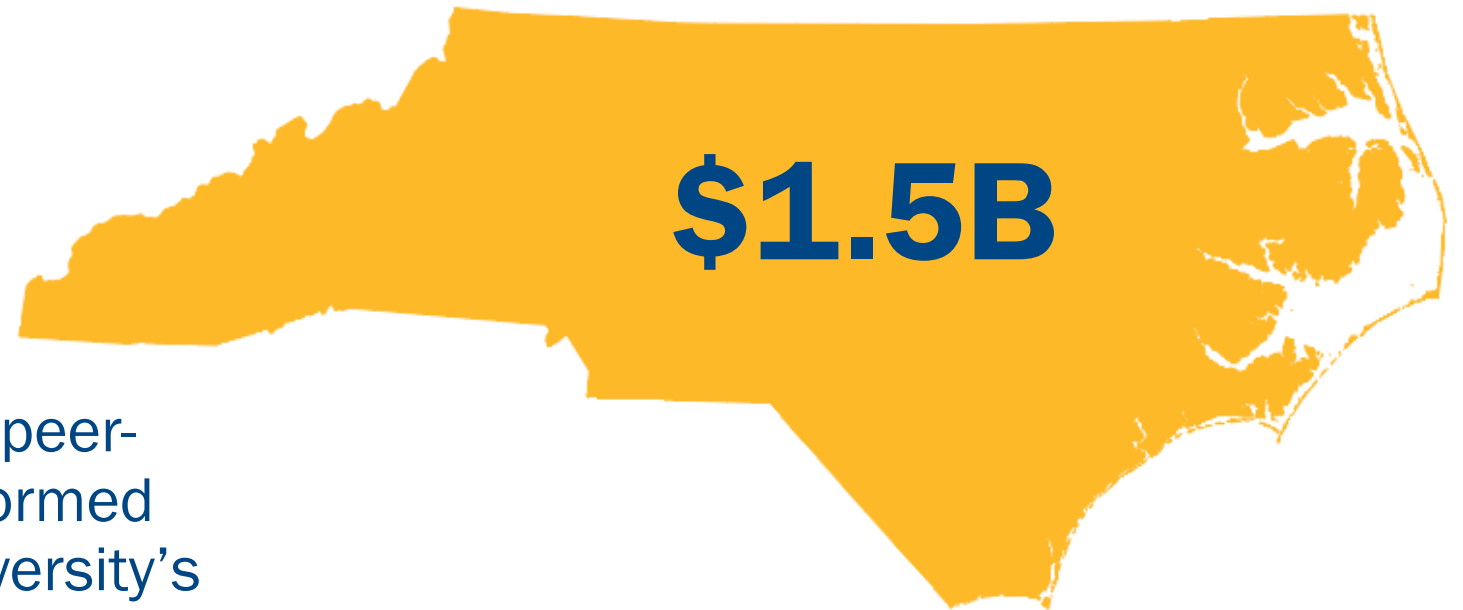
**Center of Excellence in Cybersecurity** (Dr. Hossein  
Sarrafzadeh, Engineering)



# ***Moving Beyond the Classroom...***

# N.C. A&T's Statewide Economic Impact

- **\$1.5B** statewide impact
- **\$705M** in value added (gross regional product)
- **\$409M** in labor income
- New investments since the peer-reviewed analysis was performed continue to expand our university's economic footprint.





# Impacting the Piedmont-Triad Economy





# Clean Energy Training: 'A National Model'

- A \$23.7-million U.S. Department of Commerce grant, received in August, will establish a clean-energy training program with satellites in regions around NC.
- Prepare students for careers in energy efficiency, renewable energy, clean vehicles and grid / storage issues.
- A&T has already produced its first 60 graduates, all of whom are employed exclusively by employers participating in this program.



First graduates of the clean energy training program at their summer 2022 completion gathering.

# More on Clean Energy: CEDARS



- The Center for Electrochemical Dynamics and Reactions on Surfaces or CEDARS is being established via a \$10.35-million grant from the U.S. Department of Energy.
- An interdisciplinary research initiative on clean energy initiatives, CEDARS will focus primarily on splitting hydrogen and oxygen from water to produce clean hydrogen for energy use.

# ***What Lies Ahead...***



# Programmatic Pipeline

## **New Grad. Degree Programs This Fall**

- Ph.D. in Agriculture & Environmental Sciences
- M.S. in Health Psychology

## **New Online Grad Degrees This Fall**

- Civil Engineering
- Computer Science
- Data Science and Engineering
- Electrical Engineering
- Industrial & Systems Engineering
- Reading Education

## **New Grad. Degrees, Spring/Fall 2023**

- M.S. in Cybersecurity
- M.S. in Data Analytics
- M.S. Physician Assistant

## **New Grad. Certificate Programs This Fall**

- Autonomy
- Advanced Materials
- Micro and Nano Devices
- Systems and Synthetic Biology
- STEM Entrepreneurship
- Technical and Professional Communication



# R1-Very High Research Activity

- Currently ranked **R2-High Research Activity** in the Carnegie Classifications for Institutions of Higher Education, A&T has made a public commitment to attain Carnegie's top designation for research universities, **R1-Very High Research Activity**.
- The **R1 designation** aligns with multiple development strategies at A&T aimed at ensuring students have access to the **expertise, research facilities and curricula** that will prepare them for graduate studies or make them competitive for top jobs, especially in STEM.





# The Quest for R1

- Significant support for move to R1 include:
  - > N.C. A&T Board of Trustees
  - > UNC System President
  - > Board of Governors
  - > Congressional Leaders
  - > CHIPS Bill
  - > DOD URAC
- American Association of Research Universities (AAU)
  - > HBCU R2's partner with AAU
- A&T partners with UNC-CH to launch research collaborations
- A&T receives competitive state appropriations to expand doctoral research status





# The Quest for R1



- ▶ **Criteria** A&T significantly exceeds essential Carnegie qualifications for Research Institutions, with **62 doctoral / research scholarship PhD graduates in 2020-21** and **fast-growing research funding at \$97.3 million.**
- ▶ **Strategic Path Forward; expand**
  - ▶ The diversity of Ph.D. programs
    - ▶ Social sciences, humanities and STEM
  - ▶ Research faculty and staff
  - ▶ Facilities and research expenditures, building infrastructure across these core areas.

# Thank you!



*Leadership North Carolina*

Oliver M. Thomas, Ph.D.

December 7, 2022