

Research Highlights (3rd Quarter 2011-2012)

Board of Trustees
Academic Affairs Committee

Dr. Celestine A. Ntuen
Interim Vice Chancellor for Research and Economic Development
April 20, 2012



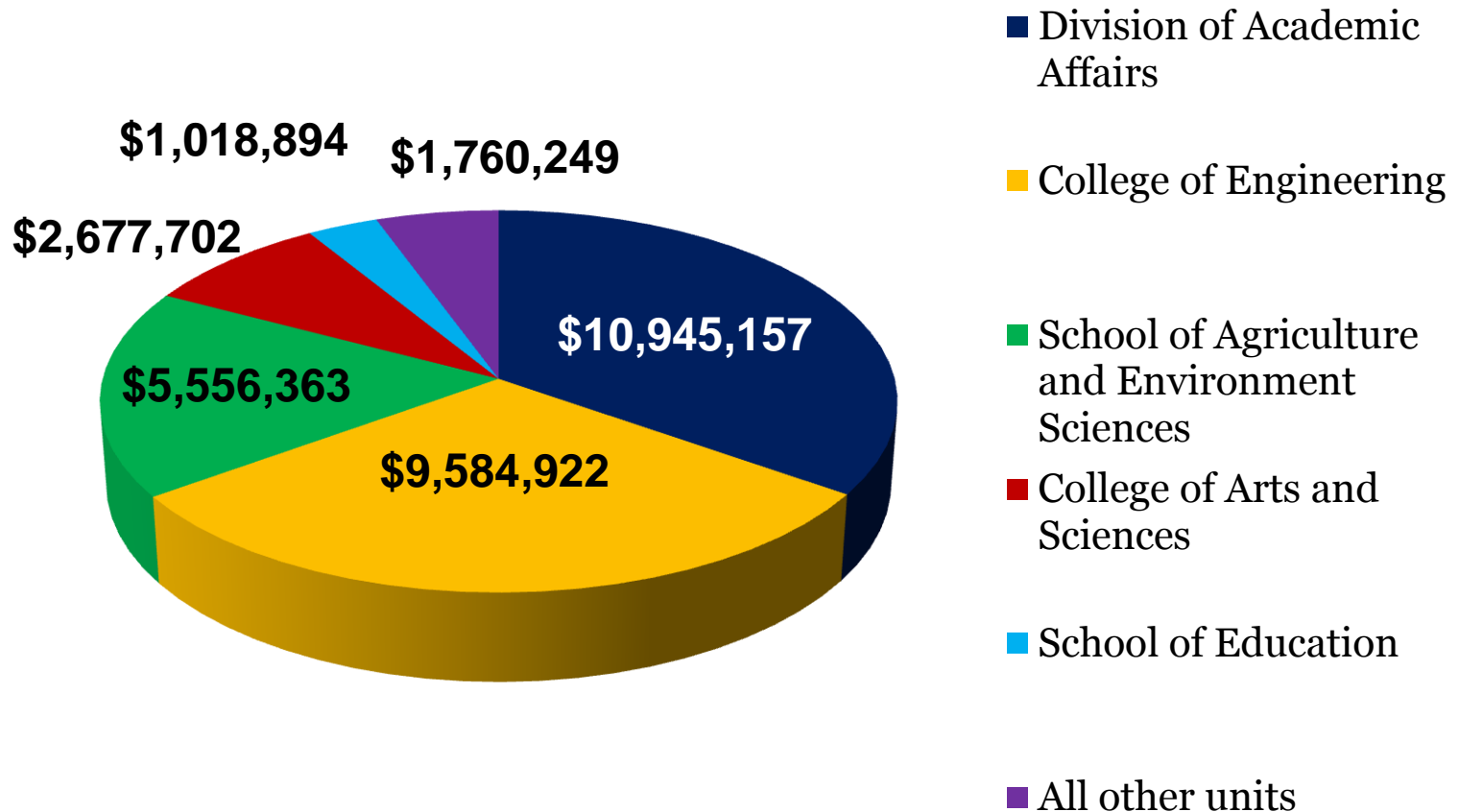
North Carolina Agricultural and Technical State University

Explore. Discover. Become.



Sponsored Funding: By unit

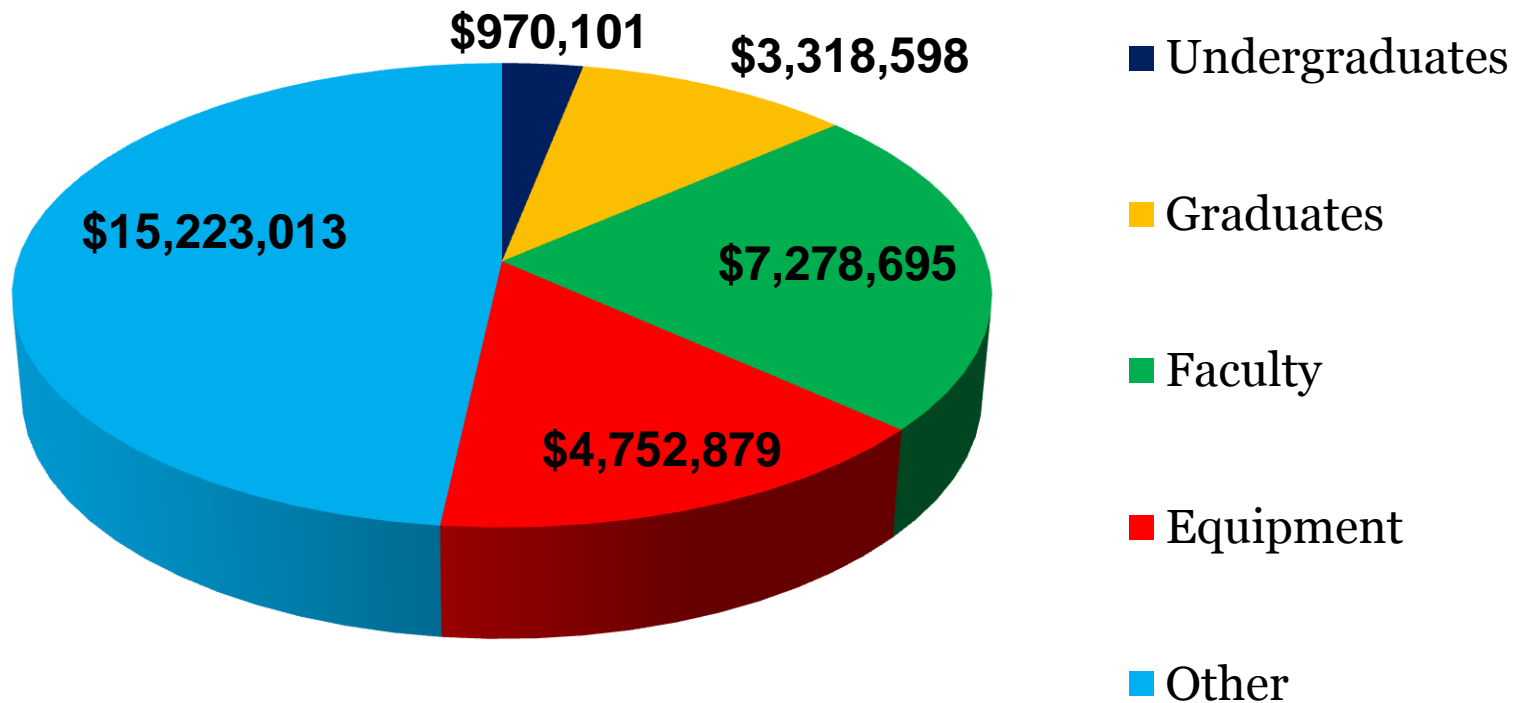
July 2011-December 2012 total: \$31,543,285





Sponsored Funding: By category

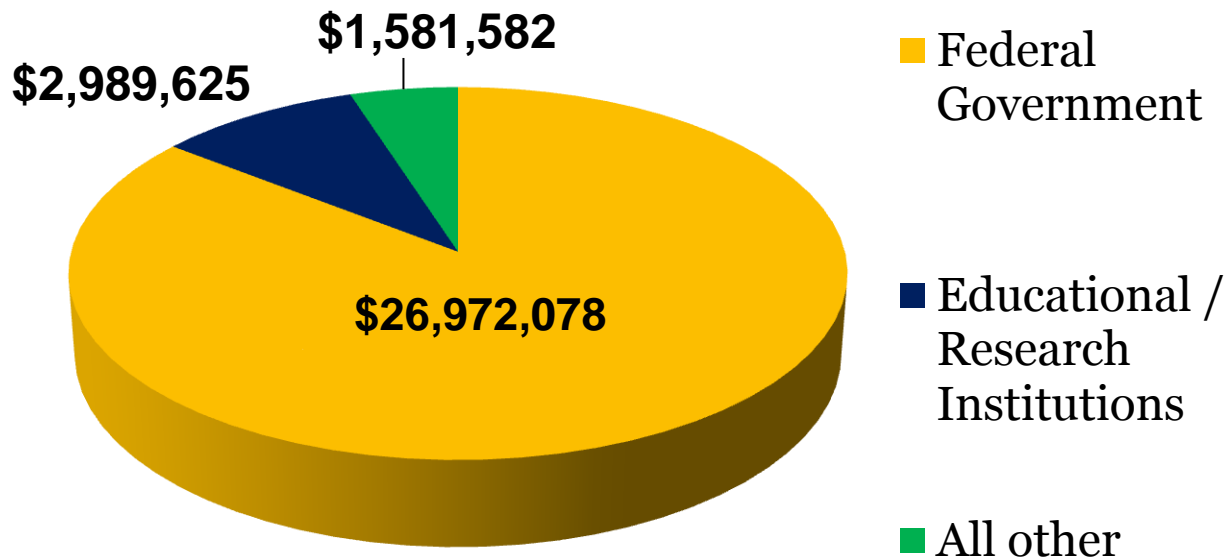
July 2011-March 2012 total: \$31,543,285





Sponsored Funding: By funder type

July-December total: \$31,543,285





Economic Development

Agreements signed, July 2011-March 2012

- **Nondisclosure Agreements: 17**
 - » 9 in comparable FY2011 period
- **Teaming Agreements: 5**
 - » 4 in comparable FY2011 period
- **Memoranda of Understanding: 6**
 - » 5 in comparable FY2011 period
- **Subcontracts: 1**
 - » 0 in comparable FY2011 period
- **ERC membership: 1**
 - » 0 in comparable FY2011 period





Economic Development

Commercial agreements, July 2011-March 2012

- **Total - 27** (vs. 13 in comparable FY2011 period)
 - » Defense 5 (vs. 6)
 - » Energy 7 (vs. 0)
 - » Bioengineering 6 (vs. 0)
 - » Small Business 4 (vs. 4)
 - » IT 5 (vs. 1)
 - » Agriculture 0 (vs. 2)





Economic Development

Intellectual property, July 2011-March 2012

- U.S. patents issued/allowed: 1 (vs. 0 in comparable FY2011 period)
 - » Hypoallergenic peanut claims, Dr. Mohamed Ahmedna, School of Agriculture and Environmental Sciences
- U.S. patent applications filed: 4 (vs. 1 in comparable FY2011 period)
 - » College of Engineering, 2
 - » School of Agriculture and Environmental Sciences, 1
 - » School of Technology, 1
- New idea submissions: 15 (vs. 2 in comparable FY2011 period)
- Preliminary idea reviews: 9 (vs. 3 in comparable FY 2011 period)





Research Compliance and Ethics

July 2011-March 2012

- Institutional Review Board
 - » 116 new research protocols approved, 68 from faculty and 48 from students
 - » Total is down 34 percent from FY2011
- 18 training sessions provided
 - » Responsible Conduct of Research, 11
 - » Export control, 7
- Conflict of interest
 - » 2 consultations
 - » 2 management plans developed
- Compliance problems reported to U.S. Office of Research Integrity
 - » 0 in 2011, compared with 1 in 2011 and 1 in 2010





Outreach Programs - *Colors of Innovation*

- Second annual one-day event to celebrate achievements of African American inventors
 - » Strengthens community relations through educational enrichment for high school students
 - » Supports student recruitment efforts (Admissions Office participates)
 - » Showcases collaborative efforts between research faculty and students
 - » Promotes the growth of research, innovation, and entrepreneurship
 - » Generates excitement for undergraduate research

COLORS OF INNOVATION ATTENDANCE SUMMARY		
Category	2012 Attendance	2011 Attendance
High School Students & Chaperones	42	39
A&T Freshman Innovation Challenge Participants	30	0
Others from NC A&T (Faculty, Staff, Students)	35	33
TOTAL Program Participation	107	72

