Presentation to the National Academies Committee on Revitalizing Graduate STEM Education for the 21st Century

*Practices to Broaden Participation in Graduate Education and in the Master’s & Ph.D. Workforce*

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Creating “Pathways” to the Graduate Degree

• Creation of Comprehensive “Pathway” Programs
  • NC State Initiative for Maximizing Student Diversity (NIH)
    • Pre-College Outreach
    • Undergraduate Research Experiences
    • 2-Year Graduate Student Start-Up RA's
    • Professional Development, Networking Retreats
    • Faculty, Peer and Near Peer Mentoring

• Partnering with Graduate School Preparation Programs
  • Outreach and Multi-Disciplinary Campus Visitation Programs
    • Targeting Scholars in NSF, NIH and ED Programs (e.g., LSAMP, RISE, McNair)
    • Providing Education on How to “Shop Around” for the Best “Fit”

• Working as a Team with NC State Colleges and Graduate Programs
  • Recruiting Proposals - with Diversity Emphasis
  • Diversity Recruiting Fellowships
  • Partnering with Faculty on Writing Proposals
Creating an Environment That Fosters Success

- Networking & Creating Community
  - Graduate Student “Crosstalks”
  - Brown Bag Lunches for Graduate Fellows
  - Graduate Student Research Symposium

- Support of Student Organizations
  - Black Graduate Student Association (BGSA)
    - Networking Across Disciplines
    - Participation in Creating a Pathway to the Graduate Degree
      - Workshops, Celebrations of Success, Role Modeling

- Fellowships and Grant Programs
  - Diversity Enhancement Grants
  - SREB Doctoral Scholars Program
    - Includes Funding, Networking and Professional Development