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**A High  
Research  
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## North Carolina Agricultural & Technical State University

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# Research Clusters

To showcase its research strengths, NC A&T has developed eight core Research Cluster areas. The Clusters are truly interdisciplinary in nature, involve several schools and/or colleges and have a direct tie to a graduate program or academic institute.



### Public Health

- A. Leads: Dr. Dorothy Browne, Dr. Goldie Byrd (A&S), Dr. Mohamed S. Admedna (Agr.)
- B. College of Arts & Sciences, School of Agriculture, School of Nursing
- C. Academic Tie: Institute of Public Health



### Biotechnology & Bio Sciences

- A. Leads: Dr. Guochen Yang (Agr.) & Dr. Mary Smith (A&S)
- B. School of Agriculture, Technology; Colleges of Engineering, Arts & Sciences
- C. Academic Tie: Proposed Biotechnology Graduate Program



### Advanced Materials & Nanotechnology

- A. Leads: Dr. Jag Sankar (Eng) & Dr. Solomon Billilign (A&S)
- B. Colleges of Arts & Sciences, Engineering; Schools of Agriculture, Technology
- C. Academic Tie: Ph.D. Program in Mechanical Engineering



### Computational Science & Engineering

- A. Leads: Dr. Guoqing Tang (A&S) & Dr. Ram Mohan
- B. Colleges of Arts & Sciences, Engineering; Schools of Agriculture, Technology
- C. Academic Tie: Graduate Program in Computational Science and Engineering



### Leadership & Community Development

- A. Lead: Dr. Robert Pyle (Tech) & Ms. Cynthia Clemons (Bus)
- B. All Colleges and Schools
- C. Academic Tie: Ph.D. Program in Leadership



### Information Sciences & Technology

- A. Leads: Dr. Numan Dogan (Eng) & Dr. Marwan Bikdash (Eng)
- B. Colleges of Engineering, Arts & Sciences; Schools of Business, Technology
- C. Academic Tie: Ph.D. Program in Electrical Engineering



### Logistics & Transportation Systems

- A. Leads: Dr. Paul Stanfield (Eng)
- B. Schools of Business, Technology; Colleges of Arts & Sciences, Engineering
- C. Academic Tie: Ph.D. Program in Industrial Engineering



### Energy & Environment

- A. Leads: Dr. Abolghasem Shahbazi (Ag) & Dr. Shamsuddin Ilias (Eng)
- B. Schools of Agriculture, Business; Colleges of Arts & Sciences, Engineering

### C. Academic Tie: Ph.D. Program in Energy & Environment

Each Cluster is led by two or three research faculty members who drive development of research cluster programs. These Cluster co-leads have the expertise to direct Cluster activities and to engage other faculty. Co-leads are currently spearheading cohesive, comprehensive, synergistic programs that lead to the development of interdisciplinary proposals and funding opportunities.

The Research Clusters allow the University to more effectively focus its capabilities, match the requirements of funding agencies, support interdisciplinary research and provide opportunities for faculty participation in sponsored programs.

For more information about a particular Cluster area contact the Office of Research Services at (336) 334-7995 or [divofres@ncat.edu](mailto:divofres@ncat.edu).

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Division of Research & Economic Development, [North Carolina A&T State University](#),  
1601 East Market Street, Greensboro, NC 27411

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