



ENVIRO NEWS®

Waste Management Institute

North Carolina Agricultural & Technical State University

INTERDISCIPLINARY ACADEMIC UNITS

- ANIMAL SCIENCES
- AGRICULTURAL EDUCATION AND AGRICULTURAL ECONOMICS
- ARCHITECTURAL ENGINEERING
- BIOLOGY
- BUSINESS ADMINISTRATION
- CHEMICAL ENGINEERING
- CHEMISTRY
- CIVIL ENGINEERING
- COMPUTER SCIENCE
- COMMUNICATIONS/SPEECH
- CONSTRUCTION MANAGEMENT & SAFETY
- CURRICULUM & INSTRUCTION
- ECONOMICS
- ELECTRICAL ENGINEERING
- HISTORY
- HUMAN ENVIRONMENT & FAMILY SCIENCE
- INDUSTRIAL ENGINEERING
- MATHEMATICS
- MECHANICAL ENGINEERING
- NURSING
- NATURAL RESOURCES & ENVIRONMENTAL DESIGN
- PHYSICS
- POLITICAL SCIENCE
- PSYCHOLOGY
- SOCIOLOGY/SOCIAL WORK

A&T Moving Towards Becoming “An Interdisciplinary Centered” University



Chancellor James C. Renick has organized a Futures Planning and Resource Council, a series of Town Hall Meetings, and a campus-wide retreat to provide institution-wide thinking that will create a shared vision for the years

ahead. Chancellor Renick notes that ... “Now is the time to capture the opportunities to build on our rich tradition and current momentum...” Several scenarios have been developed and refined by the Futures Planning and Resource Council, appointed teams, and A&T community. The “Interdisciplinary Centered University” scenario was selected at a campus-wide retreat, which was held on April 19-21, 2001.

Inter-Institutional National Science Foundation Science and Technology Center (NSFSTC) is off to a strong start

The inter-institutional \$18 million NSFSTC involving North Carolina A&T State University, the University of North Carolina at Chapel Hill, North Carolina State University, and the University of Texas at Austin is off to a strong start. The Center leadership, management, and individual Principal Investigators are operating to effect major positive changes at all Universities involved in the “carbon dioxide research” for a cleaner environment. The Center has broad goals in the areas of education and outreach. The Center has made use of teleconferencing technology for faci-

tating the collaboration process during weekly management and group meetings involving presentations by management staff and students at the four universities. See www.nsfstc.unc.edu

Dr. Carolyn W. Meyers Provost and Vice Chancellor for Academic Affairs



Dr. Carolyn W. Meyers has been named Provost by Chancellor Renick. The Provost is the chief academic officer of the University. Dr. Meyers was a National Science Foundation officer and former Dean of A&T's College of Engineering.

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Waste Management Institute

DR. GODFREY UZOUKUNWU
Director, Waste Management Institute

DR. EARNESTINE PSALMONDS
Vice Chancellor for Research

DR. CAROLYN MEYERS
Provost

DR. JAMES C. RENICK
Chancellor

Record Number of Students Receive Waste Management Certificates at a Special Ceremony



Dr. G. A. Uzochukwu
Director

One hundred and six (106) A&T graduates (B.A./B.S.) received the Waste Management Certificate at special ceremonies in December 2000 and May 2001. The keynote addresses were delivered by Dr. Sullivan Welborne, A&T's former Vice Chancellor for Student Affairs, and David Allen, President of KEVRIC Company. The certificate graduates completed a minimum of 18 credit hours of environmental and waste management courses. The certificate highlights the training of A&T students in environmental and waste management issues and complements the undergraduate degree. The WMI certificate graduates are multi-dimensional scholars. The names of the certificate recipients are as follows:

Nykia Tawanda Barnes	Agricultural & BioSystems Engr.	Alexseil Shaunte' Parker	Industrial & Systems Engineering
Princeley Dorfeuille	Agricultural & BioSystems Engr.	Andrea Lynn Coley	Industrial & Systems Engineering
Torri Y. Smith	Agricultural & BioSystems Engr.	Jerry Lee Davis, Jr.	Industrial & Systems Engineering
Gowon Lateef Goode	Agricultural & BioSystems Engineering	Melissa Rena Hargrove	Industrial & Systems Engineering
Anthony D. Harvey	Agricultural & BioSystems Engineering	Portia Lyndell Johnson	Industrial & Systems Engineering
Anikka C. Ruffin	Agricultural & BioSystems Engineering	Ashley K. Kornegay	Industrial & Systems Engineering
Wilfred DeShon Cromartie	Agricultural Extension & Education	Lakeisha Ann Reaves	Industrial & Systems Engineering
Tevis J. Kirkling	Agricultural Economics	Sherrod C. Schofield	Industrial & Systems Engineering
Michelle Denise McCallum	Agricultural Economics	Jamar LaDell Stroud	Industrial & Systems Engineering
Chastity K. Warren	Agricultural Education	A. Bernard Tucker	Industrial & Systems Engineering
Chester Kareen Warren	Agricultural Education	Nakeisha S. Watson	Industrial & Systems Engineering
Coletta Larissa Edwards	Agricultural Education	Patrice D. Cagle	Laboratory Animal Science
Brande Levette Hazelwood	Agriscience Education	Dondrae J. Coble	Laboratory Animal Science
Wesley Warren Linton	Animal Science	Patrice L. Farmer	Laboratory Animal Science
Timothy Michael Andre' Friday	Architectural Engineering	Barbie J. Gadsden	Laboratory Animal Science
Malveata Sinyona Johnson	Architectural Engineering	Amorie E. Hill	Laboratory Animal Science
Terome Alexander Mapp	Architectural Engineering	Mario D. Ingram	Laboratory Animal Science
Erin Janelle Owens	Architectural Engineering	Celeste T. Morehead	Laboratory Animal Science
Katonda LaChelle Rainey	Architectural Engineering	Yinka T. Ayankoya	Laboratory Animal Science
Leila Elie Simaan	Architectural Engineering	LeShanda N. Gibbs	Landscape Architecture
Jennifer Shaunte' Suitt	Architectural Engineering	Clinton David Stackhouse II	Manufacturing Systems
Keisha Turner	Architectural Engineering	Anthony Obiora Okeke	Manufacturing Systems
Marcia Edwina Moore	Biology	Marissa Liana Ferguson	Mechanical Engineering
Kim Floyd	Chemical Engineering	Brian Keith Alexander	Mechanical Engineering
Jennifer Michelle Harrington	Chemical Engineering	Robert Ashby	Mechanical Engineering
Je'Velle Bonique Leavens	Chemical Engineering	Carl E. Brinkley III	Mechanical Engineering
Joseph LaMont Stanford	Chemical Engineering	Cherie Dawnessa Brown	Mechanical Engineering
Thomas Patrick Bradley	Civil Engineering	James K. Davis II	Mechanical Engineering
Robert Benjamin Hayes	Civil Engineering	Eric L. Gulley	Mechanical Engineering
Jessica G. Rich	Civil Engineering	Joseph C. Hampton	Mechanical Engineering
Balla S. Keita	Civil Engineering	Antoinette Nicole Liggians	Mechanical Engineering
Rashida Deon Colbert	Civil & Environmental Engineering	Kimberly Ruth Love Reese	Mechanical Engineering
Balla S. Keita	Civil & Environmental Engineering	Edward James Turner	Mechanical Engineering
Pamela Janine Porter	Civil & Environmental Engineering	Crystal Hooker	Nursing
Damian Fleming	Computer Science	Shana Wilson	Nursing
Jibri R. Mayo	Computer Science	Angela Dawn Cheek	Occupational Safety & Health Admin.
Decatur Antionette McMillian	Computer Science	Cystral Miel Harris	Occupational Safety & Health Admin.
Tyrone Robinson	Computer Science	Lakisha Danielle Lee	Occupational Safety & Health Admin.
Eric C. Waddy	Computer Science	LeShundra Tonee Marks	Occupational Safety & Health Admin.
Jake K. Austin	Earth & Environmental Science	Nicole Pulliam	Occupational Safety & Health Admin.
William Cortez Manning	Earth & Environmental Science	Chameeka Nichelle Smith	Occupational Safety & Health Admin.
Thasya Khamese Campbell	Earth & Environmental Science	April LeShawn Vann	Occupational Safety & Health Admin.
Jewun L. Hazel	Earth & Environmental Science	James Louis Jeffries, Jr.	Occupational Safety & Health Admin.
Angela Michelle Hines	Earth & Environmental Science	Sandra Fay McFarland	Occupational Safety & Health Admin.
Chadd Matthewson	Earth & Environmental Science	Ordaryll Lajuane Puryear	Occupational Safety & Health Admin.
Sammie Lee Rogers III	Earth & Environmental Science	Christopher Dwight Mundle	Plant & Soil Science
Ayinde Wagner-Simpson	Earth & Environmental Science	Corey Jermaine Moore	Political Science
Melissa Yvonne Wyatt	Earth & Environmental Science	Keino Kip Armstead	Psychology
Khareem Edet Almo	Electrical Engineering	Ronald N. Goodson	Psychology
Karreem Abdul-Jabaar Hogan	Electrical Engineering	Shenekia Weeks	Psychology
Lamonte' Devon Smith	Electrical Engineering	Sondra J. Wright	Psychology
Petrina D. Kidd	Industrial & Systems Engineering	Tamara A. Hill	Public Relations
Fonya Monique Long	Industrial & Systems Engineering	Phedra Lynette Kee	Public Relations
LeVar P. Maxwell	Industrial & Systems Engineering	Channte' J. Keith	Public Relations

Twelve (12) Students Selected for Summer 2001 Internship at USEPA

The following students have been selected to participate in the Summer 2001 Internship Program:

Brice Bell, Civil Engineering
Shantoria Kearney, Political Science
Javetta Bynum, Economics
Kent Locklear, Mechanical Engineering
Shannon Cannady, Public Relations
Vander Monroe, Business Education
Courtney Davis, Mathematics
Jameika Sampson, Animal Science
Coletta Edwards, Agricultural Education
Renata Turnage, Chemistry
Angela Hines, Environmental Science
Danielle Wilkins, Business Management

Advanced Waste Management Certificate Approved for Graduate Students

An advanced Waste Management Certificate for graduate students has been approved. The requirements are six (6) hours of thesis/project and six (6) hours of advanced environmental/waste management courses. The advanced certificate program will complement the advanced degree in all academic disciplines.

Pre-college Workshop on Environmentally Responsible Solvents and Processes

A pre-college workshop was conducted for fifty-four (54) high school juniors and seniors and seven (7) teachers at NC A&T on June 21, 2000. The theme of the workshop was "Environmentally Responsible Solvents and Processes". Workshop topics and presenters were as follows: Godfrey A. Uzochukwu, NC A&T (Overview of Environmental and Waste Management Issues); Darlene Taylor, UNC-CH (Overview of NSF STC Collaborative Activities); Scott Ragan, NC State (Everyday Uses of Carbon Dioxide) and Horlin Carter, NC A&T (Environmental Safety and Response). Additionally, carbon dioxide applications were demonstrated to high school students. Students visited a Hangers facility in Greensboro where carbon dioxide is used for dry cleaning.

Air Quality Learning Center (AQLC) Ready for Continuing Education Units

The independent and self-instructional courses listed below are designed for all personnel (EPA and Non-Federal employees of Regional, State and Local Government Air Quality Programs; Industry Employees and School Teachers) who desire Continuing Education Units (CEU's) in air quality to broaden their knowledge of environmental issues.

Courses Offered: FEE: \$70.00 per CEU

SI 300 Air Pollution Toxicology 1 CEU \$70.00

Topics covered will include air pollution history, sources, classifications, regulations, and symptoms of exposure and health effects.

SI 409 Air Pollution Meteorology 2.5 CEU's \$175.00

Topics covered will include types of air quality models, regulatory air quality programs, turbulence, wind speed and direction, and meteorological instrumentation.

SI 422 Air Pollution Control Orientation 3 CEU's \$210.00

Topics covered will include effects of air pollution on health and welfare, air quality management, standards and regulations, sampling and analysis of air pollutants.

An (APTC) Air Pollution Training Certificate and CEU's will be awarded to students who successfully score 70% or higher on the examination. The examination will be administered by the Waste Management Institute of North Carolina Agricultural & Technical State University. The CEU will be awarded by the Division of Continuing Studies.

**For more information contact : (336) 334-7030
www.ncat.edu/~wmi**

PARTNERSHIPS

Piedmont Triad Council of Governments

Shalina France Jones, a Chemistry Graduate Student, has been selected to receive \$5,500 for an environmental/waste management internship. The internship is the result of A&T's partnership with the Piedmont Triad Council of Governments, City of High Point, and City of Greensboro. The partnership resulted in a \$50,000 grant from the State of North Carolina and the Cape Fear River Assembly for local water pollution studies.

Ms. Jones will be trained by the City of Greensboro and the State of North Carolina on how to collect stream fecal

coliform data and identify stream fecal coliform sources. The data collected will play an important role in the restoration of the highly polluted North Buffalo Creek of the Cape Fear River Basin in Greensboro. This is part of ongoing efforts to restore Greensboro's future water supply sources. Jones' thesis/project advisor is Dr. Jothi Kumar.

Keep North Carolina Clean & Beautiful (KNCCB)

Rebecca Cramer, Civil & Environmental Engineering Graduate Student is, A&T's 2001 winner of the Governor and Mrs. Daniel K. Moore \$10,000 Fellowship to Keep North Carolina Clean & Beautiful (KNCCB). The award was presented by KNCCB officials at a special ceremony in McNair Hall on April 11, 2001. This

award is the result of A&T's partnership with KNCCB (a non-profit organization). Graduate student Cramer is working on protecting our local water resources from biological and chemical contamination. Her advisor is Professor Shoo-Yuh Chang.

John Wiley & Sons

John Wiley & Sons has donated the following books to the WMI's Air Quality Learning Center:

- **Handbook of Chlorination and Alternative Disinfectants** (4th Edition) (1999) Geo. Clifford White
- **Principles and Applications of Aquatic Chemistry** (1993) Francois M.M. Morel Janet G. Hering
- **Handbook of Occupational Safety and Health** (2nd Edition) (1999) Louis J. DiBerardinis
- **Environmental Systems and Processes: Principles, Modeling, and Design** (2001) Walter J. Weber, Jr.
- **An Investigative Approach to Industrial Hygiene: Sleuth at Work** (1996) Lester Levin
- **Designing Safer Polymers** (2001) Paul T. Anastas, Paul H. Bickart Mary M. Kirchhoff

- **Air Pollution Engineering Manual** (2nd Edition) (2000), Wayne T. Davis
- **Sediment Flux Modeling** (1996) Dominic M. DiToro
- **Environmental Modeling: Fate & Transport of Pollutants in Water, Air, and Soil** (1996), Jerald L. Schnoor
- **Physical Chemistry of Natural Waters** (2001), Frank J. Millero
- **Air Monitoring for Toxic Exposures: An Integrated Approach** (1991), Shirley A. Ness
- **Environmental Organic Chemistry** (1993), Rene P. Schwarzenbach, Philip M. Gschwend, Dieter M. Imboden

These books will add significantly to the Air Quality Learning Center and will be used by students, as well as the general public, to further their studies in air quality issues.

KEVRIC Company, Inc.

The WMI is collaborating with KEVRIC Company to leverage mutual opportunities presented by KEVRIC Company. KEVRIC Company is a scientific, technical, and management support services company.

North Carolina A&T State University is committed to equality of educational opportunities and does not discriminate against anyone, (students or employees) based on race, color, national origin, religion, sex, age or handicap. Moreover, North Carolina A&T State University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a large number of white students.

2000 copies of this public document were printed at a cost of \$860, or 0.240 per copy.

This newsletter is a publication of the Waste Management Institute of NCA&TSU. It is intended to increase the awareness of teachers, students, industry, government and community groups about environmental and Waste Management issues.

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We welcome creative ideas that are suitable for inclusion in the Enviro News. Send a brief summary of your ideas to:

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National Council for Science and the Environment

A&T is an "Affiliate University" of the National Council for Science and the Environment (www.cnie.org). Other Affiliate Universities include: University of Montana, Rice University, Ohio University, University of Maryland, Lewis & Clark University, Cleveland State University, and Pace University. The benefits of being an affiliate University include:

- Meetings and conferences in a variety of scientific disciplines
- Organized research gateways
- Grants for Environmental Purposes
- Environment Reports (172 state, local, regional, national & international reports)
- Environmental Awards (Professional Societies, Business, Journalism & Education, Federal, and State)
- Environmental Journals Online
- Internships for students

HONOREES at the WMI Certificate Ceremony

The following individuals received certificates of recognition for contributions made towards the success of the Waste Management Institute on May 11, 2001 at the WMI Certificate Ceremony:

Dr. Sanjiv Sarin, Industrial Engineering
Dr. Edward B. Fort, Educational Administration
Mr. Shahzad A. Jafri, Computer Center
Ms. Mary Petty, BioSystems Engineering
Ms. Shirley Clegg, Natural Resources
Dr. Charles Williams, Academic Affairs
Dr. Godfrey Gayle, Natural Resources
Dr. Michael Simmons, Economics
Dr. G.B. Reddy, Natural Resources
Dr. Emmanuel Nzewi, Civil & Environmental Engineering
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