

## BENEFITS TO PARTICIPANTS

The Institute provides high school students with opportunities to interact with transportation professionals and to discuss theory and practice in a classroom setting. It fosters diversity in educational and career opportunities in transportation by providing students with skills that will enable them to make knowledgeable decisions concerning transportation/logistics or transportation engineering as a major.

Additionally, each participant receives a weekly stipend and a college-level course, tuition-free. Credit from this course can be “banked” toward future enrollment at NCA&TSU as a transportation/logistics or transportation engineering major. Credit can also be transferred to other universities, if preferred.

Upon successful completion of the STI, participants will be awarded certificates acknowledging their participation.



*2005 STI Academic Coordinator, Resident Counselors, and Participants at the Closing Luncheon*

North Carolina A&T State University is committed to equality of educational opportunity and does not discriminate against applicants, 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 larger number of white students.

## APPLICATION PROCEDURE

Application timeline includes the following:

<b>Applications Available</b>	<b>February 20, 2006</b>
<b>Application Deadline</b>	<b>April 28, 2006</b>
<b>STI Start</b>	<b>June 28, 2006</b>
<b>STI End</b>	<b>August 4, 2006</b>

Applications must be submitted no later than **April 28, 2006**. Students selected for the Institute will be notified by **May 8, 2006**. Send your completed application to:

Esther Faucette, Program Coordinator  
Transportation Institute  
North Carolina A&T State University  
B402 Craig Hall  
Greensboro, NC 27411  
Phone: (336) 334-7745 • Fax: (336) 334-7093  
eafaucet@ncat.edu



*Summer High School Transportation Institute  
is sponsored by*

- U.S. Department of Transportation
- Federal Highway Administration
- North Carolina Department of Transportation
- National Summer Transportation Institute, SC State University
- Southeastern Transportation Center, Univ. of Tennessee
- Transportation Institute, NC A&T State University
- Caterpillar

# Summer High School Transportation Institute

## North Carolina A&T State University

**JUNE 28, 2006 – AUGUST 4, 2006**

**Deborah Underwood, Program Director  
Transportation Institute**

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## OBJECTIVE

The Summer High School Transportation Institute (STI) is a unique concept that creates an awareness of the attractive career choices and opportunities existing within the transportation industry. Analysts have predicted that the transportation industry will experience a shortage in qualified professionals during the 21<sup>st</sup> century. As a result, the U.S. Department of Transportation, state and local transportation agencies, and the University's Transportation Institute have placed a



*STI Class of 2005*

priority on the recruitment of the “best and brightest” young people to form the nucleus of the transportation workforce for this century. As this country and the world become increasingly mobile and interactive, highly-trained and broad-minded young professionals become essential. The STI was developed to help respond to that anticipated human resource need. Specifically, the STI strives to provide high school students with:

- basic information on the significance of the transportation industry;

- awareness of career opportunities in public and private sectors of transportation;
- exposure to all spheres of transportation, including passenger automobiles, buses, vans, trains, ships, and planes as well as freight carrier trucking, rail, shipping, airlines, and pipelines;
- understanding of business, logistics, and engineering options available in transportation education at the university level.

## ELIGIBILITY

To be eligible to attend the STI, an applicant must be a rising junior or senior in high school. Applicants must have a minimum grade point average (GPA) of 2.5 on a 4.0 scale.

## QUALIFICATIONS

Participants will be selected for the STI based on their academic achievement, expression of interest in transportation as a possible career choice, and written recommendations from the student's high school counselor and at least one instructor.

## SITE

The STI residential program is headquartered at the Transportation Institute of the School of Business and Economics on the campus of North Carolina A&T State University in Greensboro, NC. During the course of the STI, weekly field trips will be conducted to a variety of transportation locations. Transportation will be provided for these trips.

## INSTITUTE ACTIVITIES

Students will be introduced to theoretical and practical aspects of all forms of transportation. Transportation education is increasingly interdisciplinary in its orientation; therefore, students will be exposed to transportation related disciplines such as engineering, economics, marketing, logistics, computer science, and public policy.

In order to provide students with the broadest understanding, a variety of educational activities will be utilized, including:

- lectures and presentations
- case studies
- group projects
- campus tours
- SAT skills
- cultural and social awareness activities
- field trips
- enrollment in a university-level course



*2005 STI Participants at MDI Distributors in Hickory, NC*