

To: High School Guidance Counselors
From: Nicholas E. Lownes, UConn NSTI Director

Subject: 2016 National Summer Transportation Institute

June 1, 2016

The University of Connecticut will host the 2016 National Summer Transportation Institute (NSTI) Program for high school participants from June 19 – 23, 2016 at the UConn Storrs campus. This will be a residential program. The purpose of the NSTI Program is to create awareness and stimulate interest in higher education and careers in the transportation industry. For more information, please see www.nsti.uconn.edu or <https://www.fhwa.dot.gov/civilrights/programs/nsti.cfm>.

The curriculum will expose participants to new frontiers and adventures such as highway design, transportation of people and cargo, inter-modal operations, laws, regulations, safety, and career opportunities. In addition, participants will participate in enrichment activities such as, computer training, field trips, and hands-on projects.

15 high school sophomores and juniors will receive full scholarships to participate in the NSTI program.

Scholarships will include the following:

- Tuition
- Workshops/Handouts
- Room and Board
- Facility Usage
- Equipment/Supplies
- Travel (Field Trips)
- Lab Fees
- Speakers
- E2 fees

The UConn NSTI is being held cooperatively with the Explore Engineering (E2) summer program being held during the same week. NSTI students will participate in a transportation-focused curriculum during the day and rejoin E2 students for meals and evening activities.

The Summer Transportation Institute intends to select students for participation in this summer's program. The following criteria will be used in the selection of participants.

- Be a high school sophomore or junior
- Have completed or be qualified to enroll in Pre-Algebra for the 2015-2106 school year
- Have cumulative grade point average of 2.0 on a 4.0 scale [minimum]
- Have an interest in engineering, science, transportation, or technology-related higher education and career
- Provide a letter of recommendation from school teachers or counselors
- Provide an essay explaining why he/she wants to participate in the program and how it can assist in meeting individual career goals

The selection team will also consider the geographical location of applicants to ensure an equitable representation from all regions of the State. Please consult with your science, mathematics and

technology education teachers for the names of potential participants who may qualify for the NSTI program.

Please return all applications to nlownes@engr.uconn.edu (preferred, either word or pdf) or to the address below no later than June 9, 2016.

Nicholas E. Lownes, PhD, PE
Project Director, National Summer Transportation Institute
University of Connecticut
Department of Civil and Environmental Engineering
261 Glenbrook Rd. U-3037
Storrs, CT 06269-3037

Thank you for your assistance.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'Nick Lownes', with a stylized flourish at the end.

Nicholas E. Lownes, PhD, PE
Associate Professor

NATIONAL SUMMER TRANSPORTATION INSTITUTE APPLICATION

Participant Information *(Please Print Clearly):*

Name: _____ Age: _____ Gender: _____

Address: _____

Parent/Guardian Name: _____

Address (if different from above): _____

Telephone (Home): _____ (Work): _____

Name of High School: _____

Standardized Test Score: _____ GPA: _____

During the 2016-2017 school year, I will be a **junior/senior** in high school *(please circle one)*.

Please list your most recent math and science classes.

Math: _____ Science: _____

List Awards/Achievements/Organization Memberships: _____

Career Interest *(Please select only two):*

☐ Accounting

☐ Law

☐ Computer Science

☐ Architecture

☐ Technology

☐ Scientific Research

☐ Environment

☐ Criminal Justice

☐ Transportation

☐ Engineering

☐ Marketing

☐ Other: _____

☐ Business

☐ Construction

Required Essay: Describe your career objective(s), interest in transportation, and how the NSTI can assist you in reaching your goals. Your typed essay must not exceed one page.

Additional Information: Please enclose/attach (word document or pdf) the letter of recommendation.

Submit Application to:

Nicholas E. Lownes, PhD, PE
UConn National Summer Transportation Institute
Department of Civil and Environmental Engineering
261 Glenbrook Rd. U-3037
Storrs, CT 06269-3037