

ROWAN UNIVERSITY  
CENTER FOR RESEARCH AND EDUCATION IN ADVANCED TRANSPORTATION ENGINEERING SYSTEMS  
(CREATES)  
2019 NATIONAL SUMMER TRANSPORTATION INSTITUTE PROGRAM

## Program Overview

Rowan University and CREATES are hosting the 2019 National Summer Transportation Institute (NSTI) which is a two-week (Mon-Fri) non-residential program that introduces promising secondary school students to careers in the transportation industry. Since one in seven jobs in the United States is in the transportation sector, a career in transportation is worth considering. The RU/CREATES NSTI is sponsored by the U.S. Department of Transportation and the Federal Highway Administration. Participants are offered the opportunity to enhance academic skills, explore career choices available in transportation, and engage in a wide range of activities that are both educational and enjoyable. If you are interested in learning more about the transportation industry and the challenging opportunities that exist, this program is for you. The 2019 NSTI program is contingent on funding approval.

Components of the program include:

- Field trips to several transportation-related facilities in New Jersey and Philadelphia
- Projects that promote hands-on learning and team work
- Guest speakers who will discuss current issues in transportation
- On-campus experiences
- Academic enrichment activities

To apply, candidates must meet the following criteria and provide documentation through an application process:

- Entering 10<sup>th</sup> – 12<sup>th</sup> grades for the 2019 – 2020 school year
- Have completed or be qualified to enroll in Algebra for the 2018 – 2019 school year
- Have a cumulative grade point average of 2.0 on a 4.0 scale
- Provide a letter of recommendation from school teachers or counselors
- Provide recent standardized transcript
- Provide 150-word essay explaining why you want to participate in the program and how the program can assist in meeting individual career goals

## Why Study Transportation?

There are several exciting new opportunities available in the field of transportation. By considering a career in transportation you will have the opportunity to help meet tomorrow's complex transportation challenges. The transportation industry includes people from various disciplines working together to make sure that people and goods reach their destinations in a safe, efficient way. Participants will be exposed to the following modes of transportation:

**AIR** In our global economy, air transportation plays a vital role in the opening of new markets both domestically and globally. Air transportation is an important part of how people travel for business, pleasure and for the transportation of specialized cargo items.

**LAND** Trucks transport food, clothing and other necessary goods across America. Efficient highways, railways and bus systems ensure that people travel safely to work and school each day and freight is moved from source to destination.

**WATER** Sea and inland rivers form an important part of our transportation system. The U.S. has a large coastline dotted by busy seaports. In addition, water transportation has great recreational value.