Three-Week Non-Residential Program July 21 - August 9, 2019

Program Brief
The Texas State University National Summer Transportation Institute (NSTI) Program aims at introducing a diverse group of motivated pre-college students to the transportation industry. During the three-week non-residential program, students will participate in academic and enhancement activities designed to improve their skills in Science, Technology, Engineering, and Mathematics (STEM) and leadership.
The program strives to:
▪ Increase students’ awareness of different transportation modes
▪ Heighten students’ understanding of the importance of different transportation problems and solutions
▪ Expose students to a variety of transportation career opportunities
▪ Improve students’ creativity, analytical, and problem solving skills
▪ Develop students’ interpersonal, collaboration, and leadership skills
▪ Provide college and curriculum guidance.

Application Package
➢ Download application forms at: https://www.engineering.txstate.edu/Programs/CE/TXDOT-Summer-Camp.html
➢ Completed Application Package must include:
1) Cover Sheet
2) A completed application form. Parents and Teachers sections must be signed
3) A current copy of the students’ school transcripts
4) An essay describing the student’s academic and career interests and their reasons for participating in the Program
Eligibility

Applicants must:
- Be a dedicated rising 9th, 10th, 11th, or 12th grade student
- Have a minimum of 2.5 cumulative grade point average

Participants will be selected for the NSTI based on their academic achievement and expression of interest in transportation as a possible career choice.

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Important Dates

<table>
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<tr>
<th>Application Deadline</th>
<th>Important Dates</th>
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<tr>
<td>NSTI Start</td>
<td>June 28, 2019</td>
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<tr>
<td>NSTI End</td>
<td>July 21, 2019</td>
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<td>August 9, 2019</td>
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Applications must be submitted no later than June 28, 2019. Students selected for the program will be notified by July 1, 2019.

The NSTI program is sponsored by:
- Federal Highway Administration
- Texas Department of Transportation
- Texas State University

Program Activities

Students will be introduced to theoretical and practical aspects of all forms of transportation. Transportation education is increasingly interdisciplinary; therefore, students will be exposed to transportation related disciplines such as Civil and Environmental Engineering, Electrical and Computer Engineering, Computer Science, Urban and Regional Planning.

In order to provide students with an in-depth understanding, a variety of educational activities will be utilized, including:

- Lectures and presentations
- Laboratory experiments
- Field trips and tours
  - San Antonio TransGuide
  - CapMetro
  - San Marcos Airport
  - Meadows Center
  - TX Department of Transportation
- Scientific project competitions
  - Traffic Simulation
  - Robot
  - Rocket Design
  - Bridge Design