

TEXAS STATE UNIVERSITY SUMMER TRANSPORTATION CAMP/ NATIONAL SUMMER TRANSPORTATION INSTITUTE

Free Two-Week Residential
Program June 16 - 28, 2024

Program Brief

The Texas State University Summer Transportation Camp/National Summer Transportation Institute (STC/NSTI) Program aims at introducing a diverse group of motivated pre-college students to the transportation industry. During the two-week 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.

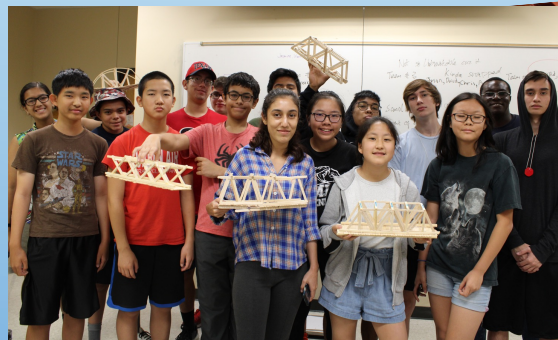
Application Package

- Apply online using QR code or the link below:

<https://www.engineering.txstate.edu/nsti.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 STC/NSTI based on their academic achievement and expression of interest in transportation as a possible career choice.

Texas State University
Ingram School of Engineering
5216 RF Mitte
601 University Dr
San Marcos, TX 78666
Tel: 512-245-3726
Fax: 512-245-7771
Email: X_L33@txstate.edu

Important Dates

Application Deadline	May 26, 2024
STC/NSTI Start	June 16, 2024
STC/NSTI End	June 28, 2024

Applications must be submitted no later than May 26, 2024. Students selected for the program will be notified by May 28, 2024.

The STC/NSTI program is at **no cost** for participants and is sponsored by:

- Federal Highway Administration
- Texas Department of Transportation
- Texas State University
- CREATE UTC



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
 - ◆ Austin Capital Metro
 - ◆ Meadows Center
- Scientific project competitions
 - ★ Traffic Simulation
 - ★ Robot Design
 - ★ Bridge Design