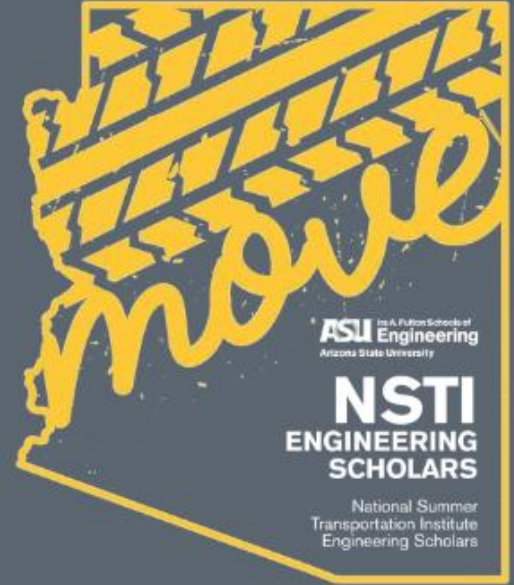


National Summer Transportation Institute

Free, Residential Camp
ASU Tempe Campus, June 15-20, 2025



NSTI Model

Residential

6 days, 5 nights

Capacity: 44 students

High School (rising) juniors and seniors

Sponsored by FHWA and ADOT



2025 Schedule

ASU locations

- Visited Tempe and Poly
- Dreamscape Learn
- Marston Exploration Theater
- 3 civil engineering laboratories
- Sun Devil Fitness Complex gym and pool
- 4 cafeterias
- Flight simulator building

Field trips

- ADOT TOC
- Able Aerospace
- Digital Building Components
- Phoenix-Mesa Gateway Airport
- Sky Harbor International Airport

Presenters

- General Dynamics
- Director ASU Parking & Transportation Services

Autonomous Vehicle Project

- XRP (Experiential Robotics Platform)
- Each student went home with one XRP
- Learned to program in Python

National Summer Transportation Institute

ASU Tempe Campus, June 15-20, 2025

	June 15 Sunday	June 16 Monday	June 17 Tuesday	June 18 Wednesday	June 19 Thursday	June 20 Friday
7:00 AM to 7:30 AM			Field Trip to ASU Poly campus today!		Field trip to ADOT TOC	Room clean up and check out. Breakfast until 8:30 AM (Tooker House)
7:30 AM to 8:00 AM					Breakfast at 8:00 AM	
8:00 AM to 8:30 AM		Breakfast at 8:00 AM	Breakfast at 8:00 AM	Breakfast at 8:00 AM	Travel by bus to DBC Construction	Light rail and Sky Train to PHX
8:30 AM to 9:00 AM			Travel by bus to ASU Poly		Tour of Digital Building Construction	
9:00 AM to 9:30 AM			Tour of Phoenix-Mesa Gateway Airport	Autonomous Vehicle Project in Tooker eSpaces with visit from JC Porter from ASU	Travel by bus to ADOT TOC	Tour of PHX (we have a special pass to go on the tarmac!)
9:30 AM to 10:00 AM			Tour of ASU SIM building	Parking and Transportation Services		
10:00 AM to 10:30 AM					Tour ADOT Transportation Operations Center / Food truck lunch	Sky Train and light rail to College Ave Commons
10:30 AM to 11:00 AM						Lunch (Venezia's)
11:00 AM to 11:30 AM					Travel by bus back to ASU	Panel Discussion
11:30 AM to 12:00 PM		Lunch (Pichforks Dining Hall)	Lunch (Poly Dining Hall)	Lunch (Tooker Dining Hall)		Test your knowledge in the Traffic Bowl!
12:00 PM to 12:30 PM				Walk to ISTB-2		
12:30 PM to 1:00 PM				Group #1 - Advanced Perennials Lab		
1:00 PM to 1:30 PM				Group #2 - Herbaceous Lab		
1:30 PM to 2:00 PM				Group #3 - Advanced Perennials Lab		
2:00 PM to 2:30 PM				Group #4 - Herbaceous Lab		
2:30 PM to 3:00 PM				Popsicles & Walk to Tooker	Autonomous Vehicle Project in Tooker eSpaces	Student Project Presentations (Families and friends welcome!)
3:00 PM to 3:30 PM			Bus back to ASU Tempe Campus			NSTI Students depart
3:30 PM to 4:00 PM			Presentation by General Dynamics (ISTB-4)	Autonomous Vehicle Project in Tooker eSpaces		
4:00 PM to 4:30 PM						
4:30 PM to 5:00 PM						
5:00 PM to 5:30 PM	Check in and room assignments (Tooker eSpaces)	Dinner (Tooker Dining Hall) and get ready for going to the SDFC gym	Tour of ISTB-4 Gallery - School of Earth & Space Exploration	Dinner (Tooker Dining Hall)	Students get ready for visit to the SDFC pool	
5:30 PM to 6:00 PM						
6:00 PM to 6:30 PM	Dinner (Tooker Dining Hall)	Walk to SDFC	Catered Dinner (ISTB-4)		Dinner (Tooker Dining Hall)	
6:30 PM to 7:00 PM						
7:00 PM to 7:30 PM						
7:30 PM to 8:00 PM	Camper orientation: Meet night counselors. Ice breakers. Pre-program survey. (Tooker eSpaces)	Sports and athletic activities (Sun Devil Fitness Center - gym activities)	Marston Theater	Board Games	Sports and athletic activities (Sun Devil Fitness Center - pool) or watch Ford vs Ferrari (PG-13)	
8:00 PM to 8:30 PM						
8:30 PM to 9:00 PM						
9:00 PM to 9:30 PM	Walk back to your room and get settled in	Walk back to Tooker House	Walk back to Tooker House		Walk back to Tooker House	
9:30 PM to 10:00 PM						
10:00 PM to 7:00 AM						

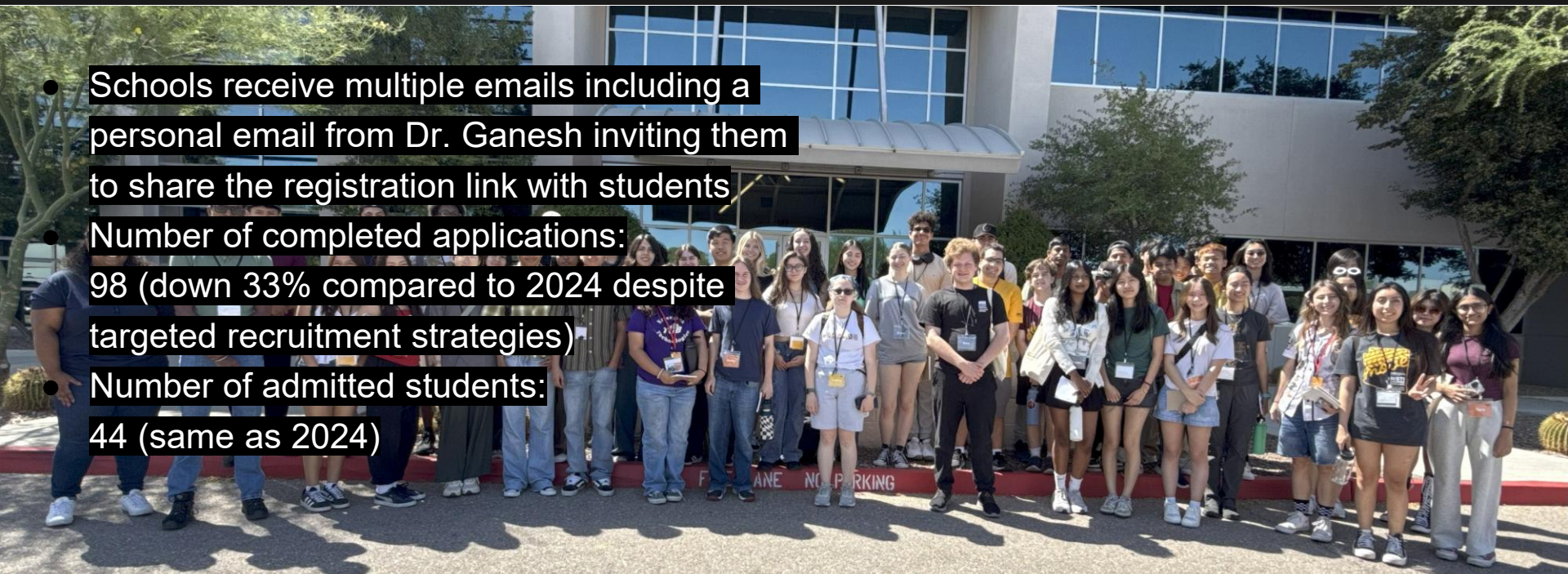
Lights out at 10 PM



Summer 2025: Applications

Application website open from 2/26/2025 to 4/21/2025

- Schools receive multiple emails including a personal email from Dr. Ganesh inviting them to share the registration link with students
- Number of completed applications: 98 (down 33% compared to 2024 despite targeted recruitment strategies)
- Number of admitted students: 44 (same as 2024)



2025 NSTI Participants: where they came from

City

21 towns or cities

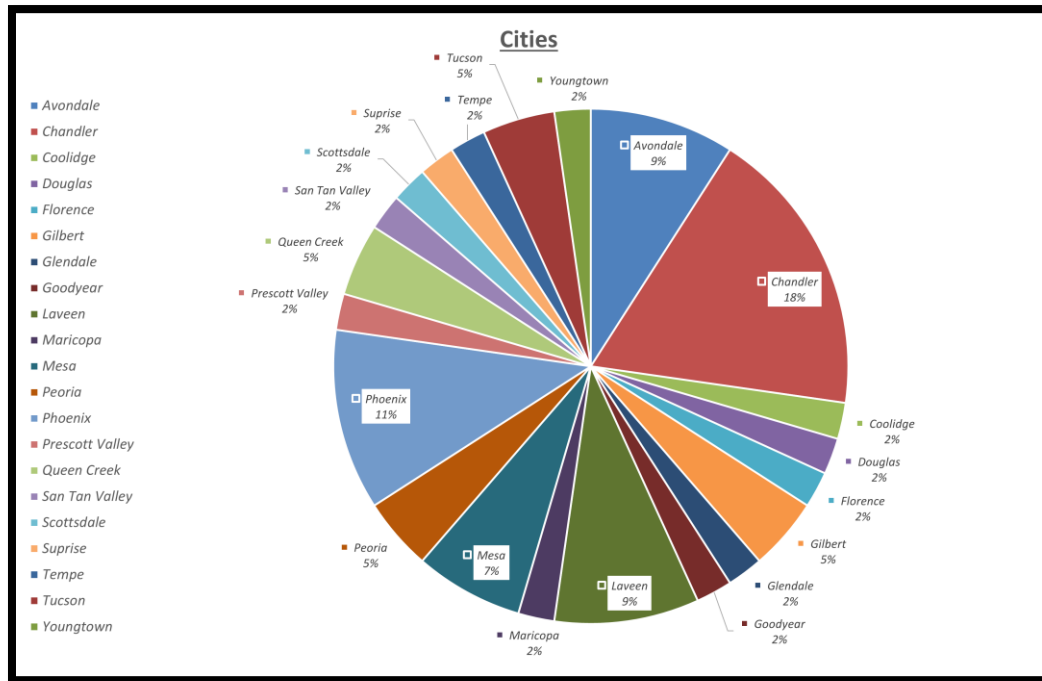
34 zip codes

Schools

32 high schools

State

100% from Arizona!



2025 NSTI Participants: who they are

Gender

24 Female (55%)

20 Male (45%)

Must be divisible by 4 to maximize dorm room allocations

Demographics

11/44 25% Asian

4/44 9% Black or African American

0/44 0% Native American

17/44 39% Hispanic or Latinx

9/44 20% White

14/44 32% Prefer not to respond

Grade

16 juniors (36%)

28 seniors (64%)

First Generation College

13/44 30% yes

29/44 66% no

2/44 5% not sure

2025 NSTI Participants: what they said

This program helped me a lot, it gave me a clear idea of what life is like on ASU's campus and it also helped open my eyes even more to the immense opportunities that exist in the world of engineering.

I learned more about the processes that go into state highway transportation and how risks are mitigated.

I learned a lot about engineering and got to experience things I wouldn't in a regular classroom. It was fun and really helped me think more about my future.

Make the program a little longer—one week felt too short and kind of sad now that it's over. I feel like we would've had more chances to connect and make even more memories.

It was a great chance to learn about what engineers can actually do and gave me things to look into when applying both to college and to any internships. Additionally, it was a great opportunity to meet people my age who are both smart and extremely interested in engineering, a field I really want to go into.

100% of students said they would recommend NSTI to a friend!

Source: 2025 NSTI daily surveys

2025 NSTI Photo Album

https://drive.google.com/drive/folders/1UTQ-a0t-65rWLCYWojMobcQ0XddnH5ac?usp=drive_link

