



Navajo Technical University Internship [2019]

Description and Objectives

The Navajo Technical University Internship is a (recurring) one-month, fully-paid, summer internship that provides support for two Navajo Technical University students to travel to Louisiana State University (LSU) and work onsite on select Tran-SET-funded research projects. It is a partnership between LSU and the Navajo Technical University with funding from LSU's College of Engineering, Department of Construction Management, and Tran-SET.

The Internship is part of Tran-SET's initiative to advance the transportation workforce and to develop its next generation of leaders by: (1) attracting and supporting diverse, promising individuals to the transportation field and (2) providing experiences through education and cutting-edge research to more properly prepare these individuals as they enter the workforce.

The Internship includes three synergistic components: (1) hands-on research experience on several Tran-SET-funded projects as a student worker (main component), (2) presentation series on diverse, relevant transportation topics, and (3) informal sessions with varied transportation professionals (from industry, practitioner community, and state and federal government).

Tran-SET

Tran-SET is Region 6's University Transportation Center. It is a collaborative partnership between 11 institutions across 5 states (AR, LA, NM, OK, and TX). Tran-SET is led by LSU. It was established in late-November 2016 "to address the accelerated deterioration of transportation infrastructure through the development, evaluation, and implementation of cutting-edge technologies, novel materials, and innovative construction management process."

For more information regarding Tran-SET, please visit [their website](#). For detailed information on current Tran-SET research projects, please visit [Tran-SET's website](#).

Schedule

The topical presentations and informal sessions shown in Table 1 are open to all local students. These events are a great opportunity to learn more about various transportation topics and to meet/network with active professionals in the field. Interested students should follow the directions specified in the Table to attend the activities and contact Ms. Lauren Zabaski (at zabaski@lsu.edu or 225-578-3987) if they have any questions.

Table 1. Schedule

Date	Description
June 4 th 10:00-11:30 am	<i>Informal Session #1</i> Construction site visit by Volkert, Inc. of I-10 widening project; at office trailers on 18000 Highland Road (take Highland Exit off I-10, before Blue Bayou). PPE is required; please wear leather boots, Hard hats and safety glasses will be provided. RSVP to this event is REQUIRED by 4:00 PM on Monday, June 3, 2019. To RSVP please email (zabaski@lsu.edu) or call (225-578-3987) Ms. Lauren Zabaski.

Date	Description
	Students to meet Mr. Christopher Melson in the CM Suite Conference Rm #3319G PFT at 9:20 am
June 6 th 12:00-1:00 pm	<i>Topical Presentation #1</i> "Innovative Materials in Asphalt Pavement" – Ms. Sharareh Shirzad Students to meet in CM Suite Conference Rm #3319G PFT
June 11 th 9:30 – 10:30 am	<i>Informal Session #2</i> Presentation and discussion with LaDOTD Highway Safety Administrator, Ms. Adriane McRae; Ms. McRae will provide an overview of LaDOTD's highway safety program Students to meet in CM Suite Conference Rm #3319G PFT
June 13 th 1:00 – 2:00 pm	<i>Topical Presentation #2</i> "Why Did You Take That Route?" – Dr. Supratik Mukhopadhyay Students to meet in CM Suite Conference Rm #3319G PFT
June 19 th 1:00 – 2:00 pm	<i>Informal Session #3</i> Site visit to FHWA LA Division Office (5304 Flanders Drive, Suite A, Baton Rouge, Louisiana 70808); FHWA staff to provide overview of program, their role, and job duties. Students to meet Mr. Christopher Melson in the CM Suite Conference Rm #3319G PFT at 12:20 pm
June 20 th 12:00-1:00 pm	<i>Topical Presentation #3</i> "Application of Cone Penetration Test (CPT) for Estimating the Ultimate Capacity of Driven Piles" – Mr. Mohsen Amirmojahedi Students to meet in CM Suite Conference Rm #3319G PFT
June 25 th 2:00 – 3:00 pm	<i>Informal Session #4</i> Site visit to Capital Region Planning Commission (CRPC) (333 North 19 th St.); CRPC staff to provide overview of the planning process, role of MPO, and job duties. Students to meet Dr. Husam Sadek in the CM Suite Conference Rm #3319G PFT at 1:20 pm

^aInformal sessions #1, 3, and 4: Students are required to meet in the CM Suite Conference Room ahead of these informal sessions before traveling to the site locations. Students are also responsible for their own transportation to each informal session. If you are interested or able to provide transportation to others, please contact Ms. Lauren Zabaski (email: zabaski@lsu.edu or call 225-578-3987) and she will get a carpool together.