Program Brief

The MSTI Program aims at introducing a diverse group of motivated pre-college students to the transportation industry. During the three-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

- Download application forms at: www.jsums.edu/imtrans
- 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 transcript
  4) An essay describing the student’s academic and career interests and their reasons for participating in the Program
  5) A recommendation letter from a teacher or counselor
  6) A $100 application fee (check or money order made payable to Jackson State University), refundable if no selected.
Applicants must:

- Be a dedicated rising 9th, 10th, 11th, or 12th grade student
- Have a minimum of 2.5 cumulative grade point average
- Be recommended by a teacher or counselor

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, Biomedical Engineering, Computer Science, Sciences, Urban and Regional Planning, Business and Social Sciences.

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

- Lectures and presentations
- Laboratory experiments
- Campus residential experience
- Field trips and tours
- Robot model constructions
- Scientific project competition

Application Deadline: May 25, 2015
MSTI Start: June 05, 2015
MSTI End: June 25, 2015

Applications must be submitted no later than May 25, 2015. Students selected for the program will be notified by May 31, 2015.

The MSTI program is sponsored by:
- Federal Highway Administration
- Mississippi Department of Transportation
- Jackson State University

Participants will be selected for the MSTI based on their academic achievement, expression of interest in transportation as a possible career choice, and written recommendations from the student’s school counselor.