

# National Student Leadership Conference

## Engineering

## Houston

### Program Overview & Sample Daily Schedule

The following Program Overview and Sample Daily Schedule are designed to give you a better understanding of the activities in a typical session as well as the flow of a typical day. This is a sample schedule based on past programs. While not all sessions are exactly the same, this is reflective of activities that take place during the program.

### Program Overview

#### Day 1

- Registration
- Campus Tours
- Opening Ceremony
- TA Group Orientation

#### Day 2

- Lecture Series: Introduction to Engineering
- Leadership Challenge Course
- Engineering Workshop: Concept Generation
- Leadership Series: Personality Styles and Group Dynamics
- Engineering Project: Underwater Robot
- Social

#### Day 3

- Facility Visit: NASA Johnson Space Center
- Guest Speaker: Space Vehicle Mockups
- Engineering Project: Underwater Robot
- Engineering Career Expo
  - Chemical Engineering
  - Mechanical Engineering
  - Civil Engineering
- Leadership Series: Conflict Resolution
- Design Challenge: Wind Turbine

#### Day 4

- Engineering Project: Underwater Robot
- Leadership Series: Interview Skills and Resume Writing
- Trip: Houston Museum of Natural Science
- Design Challenge: Trebuchet
- Grand Challenges of Engineering

#### Day 5

- Facility Visit: Rice University Oshman Engineering Design Kitchen
- Lecture Series: Engineering Design
- Engineering Project: Underwater Robot
- Leadership Series: Commitment in Action
- Engineering Workshop: Programming
- Social

#### Day 6

- Engineering Project: Underwater Robot
- Guest Speaker
- Engineering Career Expo
  - Electrical Engineering
  - Environmental Engineering
  - Systems Engineering
- Grand Challenges of Engineering

#### Day 7

- Facility Visit: Offshore Energy Center
- Engineering Workshop: Project Management
- Leadership Series: Negotiation
- Grand Challenges of Engineering
- Social

#### Day 8

- Grand Challenges of Engineering Presentations
- Engineering Project: Underwater Robot Competition
- Lecture Series: College Life Panel
- Leadership Series: Leadership Wrap-up
- Closing Social

#### Day 9

- Final Presentations
- Closing Ceremony
- Final TA Group Meeting

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#### Sample Daily Schedule

#### Day 3

<b>7:30am-8:30am</b>	<b>Breakfast</b>
<b>8:45am</b>	<b>Board Buses</b>
<b>9:30am-11:30am</b>	<b>Facility Visit and Guest Speaker: NASA Johnson Space Center</b> <i>Neat Attire</i>
<b>11:30am</b>	<b>Board Buses</b>
<b>12:15pm-1:00pm</b>	<b>Lunch</b>
<b>1:15pm-2:45pm</b>	<b>Engineering Project: Underwater Robot</b> <i>Casual Attire (must wear closed-toe shoes)</i>
<b>3:00pm-5:00pm</b>	<b>Engineering Career Expo</b> <ul style="list-style-type: none"><li>○ Chemical Engineering</li><li>○ Mechanical Engineering</li><li>○ Civil Engineering</li></ul> <i>Casual Attire (must wear closed-toe shoes)</i>
<b>5:15pm-6:00pm</b>	<b>Dinner</b>
<b>6:15pm-7:15pm</b>	<b>Leadership Series: Conflict Resolution</b> <i>Neat Attire</i>
<b>7:30pm-10:00pm</b>	<b>Design Challenge: Wind Turbine</b> <i>Casual Attire (must wear closed-toe shoes)</i>
<b>10:30pm</b>	<b>Floor Check</b>