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
Sample Daily Schedule

Day 3

7:30am-8:30am  Breakfast

8:45am  Board Buses

9:30am-11:30am  Facility Visit and Guest Speaker: NASA Johnson Space Center
                 Neat Attire

11:30am  Board Buses

12:15pm-1:00pm  Lunch

1:15pm-2:45pm  Engineering Project: Underwater Robot
                Casual Attire (must wear closed-toe shoes)

3:00pm-5:00pm  Engineering Career Expo
                o Chemical Engineering
                o Mechanical Engineering
                o Civil Engineering
                Casual Attire (must wear closed-toe shoes)

5:15pm-6:00pm  Dinner

6:15pm-7:15pm  Leadership Series: Conflict Resolution
                Neat Attire

7:30pm-10:00pm  Design Challenge: Wind Turbine
                 Casual Attire (must wear closed-toe shoes)

10:30pm  Floor Check