

# National Student Leadership Conference

## Aerospace

### Washington, D.C.

#### Program Overview & Sample Daily Schedule

*The following Program Overview & 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 upon past programs. While not all sessions are exactly the same, this is reflective of the activities that take place during the program.*

##### Day 1

- NSLC Registration
- Campus Tours of American University
- AU Credit Registration (*optional*)
- Opening Ceremony
- TA Group Orientation

##### Day 2

- Leadership Challenge Course
- Leadership Series: Personality Styles & Group Dynamics
- Workshop: Principles of Aerodynamics
  - Lift, Gravity, Drag & Thrust
- Grand Challenges of Engineering
- Build Project: Unmanned Air Vehicle (UAV)
- Social

##### Day 3

- Build Project: Unmanned Air Vehicle (UAV)
- Workshop: Ballooning
- Guest Speaker: Federal Aviation Administration
- Trip: Capitol Hill & the Smithsonian Museum
  - U.S. Capitol
  - U.S. Supreme Court
  - Air & Space Museum
  - American History Museum
  - Natural History Museum
  - American Art Museum
  - African American Museum
- Social

##### Day 4

- Facility Visit: School of Engineering and Applied Science Laboratories at the George Washington University
- Design Challenge: Wind Turbines
- Guest Speaker: American Institute of Aeronautics and Astronautics (AIAA)
- Workshop: Rocket Science 101
- Build Project: Unmanned Air Vehicle (UAV)
- Leadership Series: Conflict Resolution
- Social

##### Day 5

- Facility Visit: NASA
- Design Challenge: Trebuchets
- Workshop: Astronautics & Orbital Mechanics
- Build Project: Unmanned Air Vehicle (UAV)
- Grand Challenges of Engineering
- Social

##### Day 6

- Site Visit: Lockheed Martin or Northrop Grumman Corporation
- Guest Speaker: National Academy of Engineering
- Leadership Series: Communication
- Workshop: Aviation Industry
- Rocket Design Project
- Trip: Washington at Night Tour
  - Lincoln Memorial
  - MLK Memorial
  - Jefferson Memorial
  - FDR Memorial
  - Vietnam & Korean War Memorials

##### Day 7

- Guest Speaker: U.S. Corps of Engineers
- Trip: Holocaust Memorial Museum
- Rocket Design Project
- Workshop: Satellites & Missiles
- Leadership Series: Commitment in Action

##### Day 8

- Site Visit: Dulles Airport
- Guest Speaker: U.S. Air Force
- Rocket Design Testing
- Leadership Series: Leadership Wrap-Up
- Final Social

##### Day 9

- Closing Ceremony
- Final TA Meeting
- Student Departure

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#### Sample Daily Schedule

7:30am-8:45am	Breakfast AU Terrace Dining Room
8:30am	Board Buses
<b>9:00am-11:00am</b>	<b>Lockheed Martin or Northrop Grumman Corporation</b> <i>Neat Attire</i>
11:15am	Board Buses <i>*box lunch</i>
<b>12:15pm-1:15pm</b>	<b>Guest Speaker:</b> <b>Dr. C. Dan Mote</b> President National Academy of Engineering <i>Professional Attire</i>
<b>1:45pm-3:00pm</b>	<b>Leadership Series:</b> <b>Conflict Resolution</b> <i>Neat Attire</i>
<b>3:15pm-4:45pm</b>	<b>Engineering Workshop:</b> <b>Principles of Aerodynamics</b> <i>Casual Attire</i>
5:00pm-6:00pm	Dinner AU Terrace Dining Room
<b>6:15pm-7:30pm</b>	<b>Project: Unmanned Air Vehicle</b> Team Meeting <i>Casual Attire</i>
7:45pm	Board Buses
<b>8:00pm-10:15pm</b>	<b>Washington Monuments at Night</b> <ul style="list-style-type: none"><li>• Lincoln Memorial</li><li>• MLK Memorial</li><li>• Jefferson Memorial</li><li>• FDR Memorial</li><li>• Vietnam and Korean War Memorial</li></ul> <i>Casual Attire w/casual walking shoes</i>
10:30pm	Floor Check