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
Sample Daily Schedule

7:30am-8:45am  Breakfast
   AU Terrace Dining Room

8:30am  Board Buses

9:00am-11:00am  Lockheed Martin or
   Northrop Grumman Corporation
   Neat Attire

11:15am  Board Buses
   *box lunch

12:15pm-1:15pm  Guest Speaker:
   Dr. C. Dan Mote
   President
   National Academy of Engineering
   Professional Attire

1:45pm-3:00pm  Leadership Series:
   Conflict Resolution
   Neat Attire

3:15pm-4:45pm  Engineering Workshop:
   Principles of Aerodynamics
   Causal Attire

5:00pm-6:00pm  Dinner
   AU Terrace Dining Room

6:15pm-7:30pm  Project: Unmanned Air Vehicle
   Team Meeting
   Casual Attire

7:45pm  Board Buses

8:00pm-10:15pm  Washington Monuments at Night
   - Lincoln Memorial
   - MLK Memorial
   - Jefferson Memorial
   - FDR Memorial
   - Vietnam and Korean War Memorial
   Casual Attire w/casual walking shoes

10:30pm  Floor Check