



2026 Sample Schedule*

June 21 - July 2 | July 5 - July 16

Day One

Arrival of Scholars

Host Campus Tours & Orientation
Introduction to Design Simulation
Mission V-Log: Kickoff
Opening Keynote: *The Business of Space*

Day Two

Design Thinking

Rice Faculty Lecture: Rice Admissions
Rice Graduate Student Panel: Surviving Engineering School
Skills Workshop: Space Challenges & Designer Solutions
Simulation: Identifying the True Problem
Specialty Workshop I: OneOrbit presents Endeavor to the Next Level
Case Study: Career Profiles in Aerospace Engineering

Day Three

with Space Center
Houston^

Aerodynamics

Rice Faculty Lecture: Aerodynamics & Rocketry
Simulation: Initial Multi-phase Rocket Design
Specialty Workshop II: Aerofoil Design & Impact on Flight
Mission V-Log: Initial Design Update
Field Excursion I: Airfield/Flight Training

Day Four

with Space Center
Houston^

Systems & Operations

Rice Faculty Lecture: Satellite Systems & Operations
Simulation: Satellite Mission Design
Simulation: Prototype Atmospheric Payload Design
Field Work: Solicit Feedback on Design
Speaker Seminar(s) I: Evening with the Experts–Discuss Issues with Space Travel

Day Five

with Space Center
Houston^

Orbital Mechanics

Evening Out: Social Field Excursion to Kemah Boardwalk
Skills Workshop: Communication Worlds Away
Simulation: Testing & Adapting Payload Design
Simulation: Design Launch Parameters

continued on reverse

**This is a sample schedule of the types of events that may be included in a career focused program and is not intended to represent a specific schedule for the program. All events, speakers, and site visits are subject to confirmation, cancellation, and change by Envision without prior notice.*

^One to two workshop days will take place on campus at Rice University with Space Center Houston staff facilitating and three to four workshop days will take place at Space Center Houston.

Day Six

with Space Center
Houston^

Mission Control

Field Excursion II: Day at Space Center Houston
Skills Workshop: Data Driven Prototyping
Simulation: Finalize Launch Strategy
Specialty Workshop III: Team Building
Maker Portfolio: Prototype & Mission Updates

Day Seven

with Space Center
Houston^

Satellite Launch

Simulation: Final Testing & Adapting Finalize Atmospheric
Payload Project Design
Simulation: Launch Satellites
Simulation: Mission Monitoring & Data Tracking
Mission V-Log: Document the Launch

Day Eight**Rocket Challenge**

Simulation: Satellite Data Review
Rice Faculty Lecture: Orbital Mechanics
Rocket Challenge: Entry, Decent, Landing
Lone Star Flight Museum

Day Nine**Rocket Build**

Rocket Challenge: Final Rocket Prototyping
Panel Speaker(s): Careers in Aerospace
Simulation: Validating Rocket Design
Mission V-Log: Crowdsourcing Feedback Captured
Rocket Challenge: Incorporating Feedback

Day Ten**Rocket Launch**

Rice Faculty Lecture: Reaching Beyond Earth's Atmosphere
(and Returning)
NASA Speaker: Space Innovations of the 21st Century
Rocket Challenge: It's Go Time!
Mission V-Log: Capturing the Launch

Day Eleven**Mission Report Out**

Skills Workshop: Presentation Skills
Simulation: Present Findings
Mission V-Log: Edit/Polish and Present
Gallery Walk: Display Project Work and Findings
Closing Keynote: *To Infinity and Beyond!*

Day Twelve**Farewell & Departure of Scholars**

Closing Session: Program Debrief