



CASE Senior Space School

Program Itinerary*

| WEEK A | |
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| Day 1 | Your unique experience begins with CASE Senior Space School! Students depart home for Houston, TX with a flight time of approximately 20-22 hours. On arrival into Houston, the scene is set with the official CASE Space School Opening Ceremony, an introduction to the daily success principles and team building activities. It's then time for a well-earned rest in readiness for an exciting program. |
| Day 2 | Today, it's time to get to know your new friends and teammates! Students enjoy time outside, exploring parts of Houston in a fun and active morning of team building. Time to sample the local cuisine and then it's back to the hotel for an introduction to ChallengeX. CASE ChallengeX is an integral part of the coursework; this evening teams are briefed on the upcoming challenge and participate in a workshop to get started on ideating. |
| Day 3 | Space University begins, based at Johnson Space Center (JSC), NASA's headquarters. Students participate in a series of exciting NASA courses to develop their own Mars mission. Elements today include the design of rockets and protective thermal heat shields. After dinner, students learn the history of space exploration with the Space Race movie night. |
| Day 4 | A tour takes students behind the scenes at Johnson Space Center. Students receive exclusive access to workings of NASA, including the Neutral Buoyancy Lab; historic Mission Control that monitored the moon landings; and the Space Vehicle Mock-up Facility. Afternoon scuba diving engages the students' teamwork and problem-solving skills as they attempt to overcome the difficulties of working in a neutrally buoyant environment. |
| Day 5 | Space University challenges the students as they develop budgets for their own space missions; before learning about the astonishing field of NASA robotics. Students are briefed on the humanoid robotics technology and its inspiration for new applications, both in space and on earth. This evening they meet a Scientist or Engineer for an inspiring and interactive presentation. |
| Day 6 | Space University final day has the teams in their final Mars mission challenges and presenting their USD\$600m mission. Students are awarded with their NASA certificates at an official graduation ceremony. An exciting night lies ahead with the Astronaut Dinner, where students enjoy a presentation with a former NASA Astronaut and the chance for a selfie! |
| Day 7 | Today at George Observatory students immerse in space mission training where they take on the role of scientist or flight engineer in complex simulations. The teams debrief to understand their success in risk management and team cooperation. Then it's an evening of inspiration as students engage with a guest speaker from the space, science and/or engineering fields. |

| WEEK B | |
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| Day 8 | An inspiring morning with plenty of question time, during a visit to a cutting-edge NASA 3rd party partner to see the latest rocket technology. Later in the day students will have the chance to relax and explore a wide range of stores on a shopping trip to a mall. Followed in the evening by an exciting cultural experience attending a live NBA or MLB game, depending on the season. |
| Day 9 | Students travel to San Francisco where an afternoon of cultural activity awaits. Round one of the CASE ChallengeX team presentations are held this evening as students demonstrate their creativity, project management, resource allocation and leadership skills. The best concepts to go through to the final round. |
| Day 10 | This morning students are involved in an engaging Introduction to Entrepreneurship workshop during which they will learn how to think like an entrepreneur and about the innovation process so integral to Silicon Valley. Later, a new high-tech environment inspires the students to think beyond space for application of their developing STEAM-skills. |
| Day 11 | Students explore a remarkable tech start-up during another industry site visit. The afternoon CASE ChallengeX Finals brings together the knowledge and skills acquired during the program; teams present to a panel of experts, scientists and engineers. The Space School graduation marks the completion of the CASE Senior Space School program. A celebratory dinner follows for their final night in the USA. |
| Day 12 | At Stanford University students explore the grounds and academic buildings of this famous institution in a guided tour. In the afternoon it's time for a well-earned a break, visiting some of San Francisco's most famous tourist and shopping spots. Students then head to San Francisco International Airport for their late evening departure and journey home. |
| Day 13-14 | Expedition completed! With a transit time of approximately 20-22 hours students can reflect on their adventure and are farewelled with a closing ceremony at the airport when the group arrives back home. |

*Proposed itinerary- program is subject to change, and weeks A and B are interchangeable