



Ethiopian Space Science Society
in collaboration with
**American Institute of Aeronautics
and Astronautics**

United Space School Scholarship
Prepared by
Foundation for International Space Education

Ethiopian Space Science Society

- A non-governmental, non-profit organization that is working to promote space science in Ethiopia.
- In order to achieve its goal, it works in partnership with different local, regional and international institutions.
- One part of these collaborations is to bring opportunities to students.

American Institute of Aeronautics and Astronautics

- A professional society for the field of aerospace engineering.
- It is the worlds largest technical society dedicated to the global aerospace profession.

Foundation for International Space Education (FISE)

- A private foundation with the mission to provide space-based academic instruction to international pre-university students, while offering an introduction and orientation to the aerospace industry

United Space School

- An interdisciplinary program that annually (each summer) brings together up to 50 students from over 28 different nations to study at the University of Clear Lake.
- Houston, Texas
- Under the mentorship of engineers, scientists, and leaders in the aerospace industry, they come together to design their own Mission to Mars.

- The dates for USS 2020 are July 19th – August 3rd
- Deadline for the application: February 1
- Project provided: *Manned Mission to Mars*
- *USS* has schedule and curriculum are designed to provide the structure, knowledge, resources, mentoring, and appropriate settings to complete the project,

- To enhance and build upon this instruction, the students participate in a variety of space-related activities at the Johnson Space Center, the University of Houston Clear Lake, Rice University, Space Center Houston, the George Observatory at Brazos Bend State Park, and the Houston Museum of Natural Science.
- Activities include a tour of JSC facilities, *A Full Crew Mission*, a special project at the George Observatory, an *ARISS* link with ISS and an international video-conference on life sciences, bio-astronautics, and aerospace medicine at a university.

- The students are hosted by families residing in the Clear Lake – Bay Area of Houston.
- Many of the host families work within the aerospace community.
- During their two-week stay, the students will participate in several cultural and social events designed to provide a setting in which the students will demonstrate and share their respective cultures with each other and with their host families.
- Experiencing and celebrating international diversity as a Space School student is frequently the first step for these students as they work closely with each other on their respective Teams.

Application instructions

- To apply students has to submit the following items
- A personal resume or CV
- An essay that includes the following:
 1. A paragraph that outlines how you learned about the United Space School Program and why you would like to attend?

2. A list of (3) reasons why you think we should send humans to explore Mars, include sufficient detail to support your position. Also, include in your answer why we should risk lives and why the monetary investment is justified.
3. A list of (5) challenges that you think humanity would face on a Mars mission. Include what are the coast factors and what is the biggest risk to the crew. Give details on each and some potential solutions to these challenges.

- A letter of recommendation from a teacher, principal, manager or headmasters

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- **Deadline: Before February 1, 2020**
- Application to be sent via:
admissions@unitedspaceschool.org
- Successful applicants: Will attend the two weeks space school session in Houston, Texas for free (all expenses covered including airfare and accommodations by AIAA-ESSS sister section)



- Be aware that the essay will be used to evaluate and distinguish your application from others, so please make it as creative, original and personal as possible. In addition, English is the common language used during United Space School, so your English proficiency will also be evaluated.
- Applicants who pass the initial screening process will be interviewed by the FISE Board of Directors either in person, over the phone, or via Skype.



- Selected students must be able to handle both the academic and social responsibility of USS. Each student should have an interest in the space sector, as well as be open minded toward American and world cultures.
- Students should be at least 15 years of age and no more than 19 by July 15 of the year they plan to attend the Space School session.

Reference and resources

- <https://www.unitedspaceschool.org/united-space-school/>
- <https://youtu.be/AGQZc7rJ1bM>