

Astronomy



Program Highlights

- Enjoy a mix of daytime and nighttime activities to perform data collection and data interpretation.
- Perform a research project on the Double Star system, a pair of closely-spaced stars that usually appear as a single star.
- Work in groups to construct a scientific paper with the possibility of publishing the work via the Boyce-Astro.org platform.
- Get a private tour of the universe at a planetarium as well as unique access to specialized detail imaging equipment.

Campus Locations

Boston

- July 5–July 17, 2020
- July 19–July 31, 2020

UC San Diego

- July 26–August 7, 2020

Academic Course Overview

Are you fascinated by the stars? The universe is vast and mysterious and this passion can turn into a lifelong career. This summer program for high school students provides hands-on training in astronomical research, with opportunities to learn from professionals in the fields of astronomy and physics and work with state-of-the-art observational equipment.

Career Exploration

Astronomers work in industries as diverse as defense, aerospace, data science and engineering. That's because the foundation of astronomy involves math, physics, communication and analytical skills. To further the students interest in astronomy, they will be given access to the Boyce-Astro platform to use during and after the Summer Springboard program. The platform focuses on sharing astronomy through education and research via remote technologies. Excursions may include optical labs, observatories or a tour of multiple galaxies (at a planetarium).

Curriculum Advisor - John Brodney Fitzgerald, MS.

John Brodney Fitzgerald has over 17 years of experience in the field of education. Currently, he is an astronomy instructor at Grossmont College and San Diego City College where he lectures on astronomical object motions, the history of astronomy, telescopes, planets and their physical characteristics, light and electromagnetic radiation, as well as stars and their characteristics. In addition to his teaching responsibilities, he has published numerous conference papers. He holds a Master's degree in Astronomy from San Diego State University.

Instructors

Courses are taught by accomplished and passionate faculty recruited from many area colleges, universities and professional forums. Each faculty member is selected for their subject area expertise and proven ability to both challenge and captivate students.

Tuition

- **Residential Students:** \$4,998
 - Includes: all meals, lodging, excursions, academic program, weekend excursions
 - Excludes: optional airport pickup and drop off service (available for an additional fee)
- **Commuter Students:** \$2,798
 - Includes: academic program, excursions, programming from 9am to 5pm, Monday-Friday
 - Excludes: lodging, breakfast, dinner, weekend excursions
- **Extended Commuter Students:** \$3,398
 - Includes: lunch, dinner, excursions, academic program, programming from 9am to 8pm, weekend excursions
 - Excludes: lodging, breakfast