



NASA Wings 2022

A Week-long Camp for High School Students



July 17-22, 2022

The Department of Aviation Management and Flight at Southern Illinois University Carbondale, in conjunction with the National Aeronautics and Space Administration, is excited to offer **NASA Wings**, a week-long camp designed to give interested high school students an opportunity to learn more about how space communications and navigation systems impact and benefit aviation. NASA is very much interested in establishing a workforce pipeline, with the NASA Wings camp as one possible first step to an exciting career!

NASA Wings offers students the chance to explore careers in aviation and aerospace by providing ground training, virtual team activities, and individual activities.

Participants will spend the week learning about subjects including:

- History of navigation systems
- Global Positioning System (GPS)
- Space flight
- Remote communication procedures



All flights are conducted under the strict supervision of the Department of Aviation Management and Flight faculty members. Full and part time instructors regularly employed by the University staff the NASA Wings Program. The camp is funded primarily through a grant from the NASA Space Communications and Navigation office. Campers are provided all meals (Sunday dinner-Friday breakfast), five (5) nights lodging in a University residence hall, supervised evening activities, dinner flight, limited accident medical camper insurance, and all flight instruction. Campers enjoy excellent housing accommodations with two campers per room.

The camp is limited to 8 students. Students must be completing their freshman, sophomore, or junior year of high school this year. Nominations will be accepted through **May 13, 2022**. Nominees will be notified whether they have been accepted for the camp or wait-listed upon receipt of nomination form. An \$82 non-refundable camp fee will be required to hold a camp slot. Payment in full will be required no later than **May 27, 2022**, for those applicants who have been accepted. Applicants not meeting the payment deadline will forfeit the camp slot. A virtual camp check-in will be at 2:00 p.m. on Sunday, July 10. The camp will conclude on the afternoon of Friday, July 15. Additional information will be mailed along with the registration confirmation.



For further information, Lorelei Ruiz may be contacted at 618-453-9251, FAX 618-453-5230, or email lemiller@siu.edu.

SIU Carbondale has been in the business of training pilots since 1960. The Aviation Flight program currently operates a fleet of 37 Cessna aircraft at the Southern Illinois Airport, situated between Carbondale and Murphysboro on IL Rt. 13. Training in the program leads to FAA certification as an instrument-rated commercial pilot in both single- and multi-engine aircraft. The program is nationally recognized as one of the best collegiate flight training programs in the country.



Major funding for this camp is provided by the National Aeronautics and Space Administration (NASA) through NASA Headquarters/Space Communications and Navigation office and the Glenn Research Center. "Space Communications and Navigation (SCaN) coordinates multiple space communications networks as well as network support functions to regulate, maintain, and grow NASA's space communications and navigation capabilities, in support of all NASA's space missions." (The quoted information was accessed on March 16, 2010, <https://www.spacecomm.nasa.gov/spacecomm/programs/default.cfm>).

Information on NASA internship opportunities for high school and college students is available on their internship website, <https://www.nasa.gov/directorates/heo/scan/communications/outreach/internships>.