



It's not always rocket science.
 Explore another side of NASA!



- Working on a satellite design mission
- Mentoring by expert NASA scientists and engineers
- Touring NASA facilities
- Opening the door to a world of career possibilities at NASA!

Contact: jcorrier@odu.edu
 More info: vsgc.odu.edu/VESSS

Application Information
Opens: August 15, 2019
Closes: November 10, 2019

VIRGINIA EARTH SYSTEM SCIENCE SCHOLARS (VESSS) COURSE

VESSS is a **FREE** program that allows **high school juniors and seniors to earn up to five transferable college credits** by engaging in a NASA developed course using an Environmental/Earth Science theme. The Online course teaches a broad range of science, technology, engineering and mathematics (STEM) skills aligned with the Virginia Standards of Learning. Based on course performance, scholars may be selected to participate in an all expenses paid seven-day residential Summer Academy at NASA Langley Research Center.

COURSE

VESSS is a dual enrolled, transferable four-credit (GOL 195) course, offered through Thomas Nelson Community College (TNCC). It engages the student in real world investigations of the Earth and its highly dynamic systems through the use of the latest research and data from NASA's Earth Science missions. Students develop an understanding of the Earth's responses to both natural and man-made changes to climate, weather, and natural hazards. Students will explore NASA's major Earth Science missions addressing how the global Earth System is changing, how the Earth system will change in the future, the causes of these changes, and the societal benefits provided through study of the Earth's system science.

RESIDENTIAL NASA SUMMER ACADEMY

Students selected to participate in the **FREE** seven-day Summer Academy are immersed in the design of a hypothetical satellite mission to study one of the Earth's major spheres and how the spheres are interconnected. Students will address a real-world satellite mission scenario relating to one of the four major spheres. Students can earn additional college credit, in GOL 199, Independent Research, by completing the Summer Academy.



The program is a partnership between the Virginia Space Grant Consortium, NASA Langley Research Center, Hampton University, Thomas Nelson Community College, Virginia Aerospace Business Association (VASBA), and the National Institute of Aerospace.