NASA
West Virginia Space Grant Consortium
341 Mineral Resources Building
PO Box 6070, Morgantown, West Virginia 26506
wvspacegrant.org

Consortium Profile

Lead Institution:
West Virginia University

Academic:
Bethany College
Bluefield State University
Community and Technical College System of WV
Fairmont State University
Glenville State University
Marshall University
Shepherd University
West Liberty University
West Virginia State University
WVU Institute of Technology
West Virginia Wesleyan College
Wheeling University

Non-Academic:
NASA Katherine Johnson IV & V Facility
Green Bank Observatory
West Virginia High Technology Foundation

Industry:
Polyhedron Learning Media, Inc.

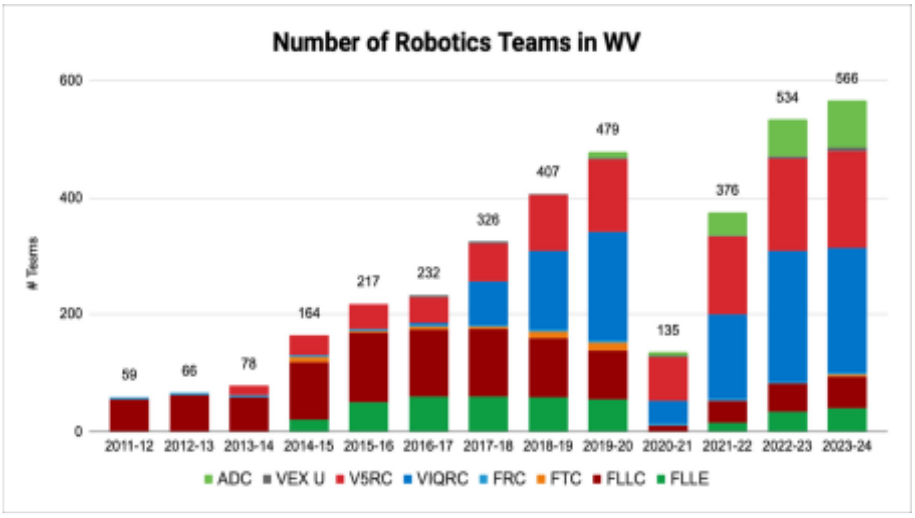
The NASA West Virginia Space Grant Consortium (WVSGC or Consortium) is a National Aeronautics and Space Administration (NASA) sponsored organization established in August 1991. The WVSGC is comprised of West Virginia academic institutions, the Community and Technical College System, and several corporate and scientific partners. West Virginia University (WVU) is the lead institution. The Consortium is dedicated to building research infrastructure and promoting Science, Technology, Engineering and Math (STEM) education in West Virginia. The Consortium's programs focus on student fellowships, research, collaborations with high-technology industries, as well as K-12, and public outreach programs. These efforts align with the strategic vision of enhancing the state's participation in national and global science and technology initiatives

The following statistics represent the direct student and community engagement throughout the state for the 2024 - 2025 year. All the students, educators, and community members participated in a WVSGC funded program.

128
NASA Internship Fellowship and Scholarships

3,546 +
K-12 Students Impacted

64
Educators and Higher Ed Faculty Awards



Dedicated to building research infrastructure and the promotion of Science, Technology, Engineering and Math (STEM) education in West Virginia

Notable Space Grant Alumnus

Emily Calandrelli

Calandrelli received her undergraduate degree from WVU in 2010 with a B.S. in Mechanical and Aerospace Engineering. During her time at WVU, Calandrelli received funding from WVSGC for research on NASA's Reduced Gravity Aircraft a KC 135 (aka Vomit Comet). She also spent her summers doing internships at NASA Glenn and NASA Ames Academy, which she participated in with the help of the WVSGC. Calandrelli was able to share her research with middle school and high school students throughout the state of WV. The research she participated in during all four years of her undergraduate education was funded by WVSGC. Today, Emily is known as "The Space Gal" online, sharing her STEM knowledge to students across the country. Calandrelli was also the 100th woman to go to space.

Student Research and Internships

The success of WVSGC in promoting NASA research in West Virginia has resulted in an overwhelming demand and enthusiasm for our support to enable WVSGC students to interact with NASA. The objective of WVSGC's Higher Education Program is to enhance higher education capabilities in the STEM in West Virginia. WVSGC is in a unique position to initiate and support innovative programs that enable West Virginia students to engage in hands-on experiences that will better prepare them for careers at NASA, its contractors, and other high-technology companies. In the past several years we have placed students at a number of NASA facilities, including JPL, Goddard, Ames, Kennedy, Marshall, Langley, Glenn, and the IV & V Facility in Fairmont, WV.

Kaitlyn Bailey (student at West Liberty University) conducting her study on "The Effect of Dillapiole on the pathogenesis of Escherichia coli"

Extension and Public Outreach

Another goal of the WVSGC is to enhance the interests and enthusiasm of K-12 students and teachers in Science, Technology, Engineering and Math (STEM) fields and to enhance public awareness of the importance of STEM education. SPOT (WV Science Public Outreach Team) allows undergraduate students through our affiliate universities to present current West Virgina science, technology, and engineering topics to West Virgina K-12 classrooms, museums, and youth programs. Since 2013, the program has reached over 32,395 children in WV by providing over 1,000 presentations to 429 schools.