



**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.

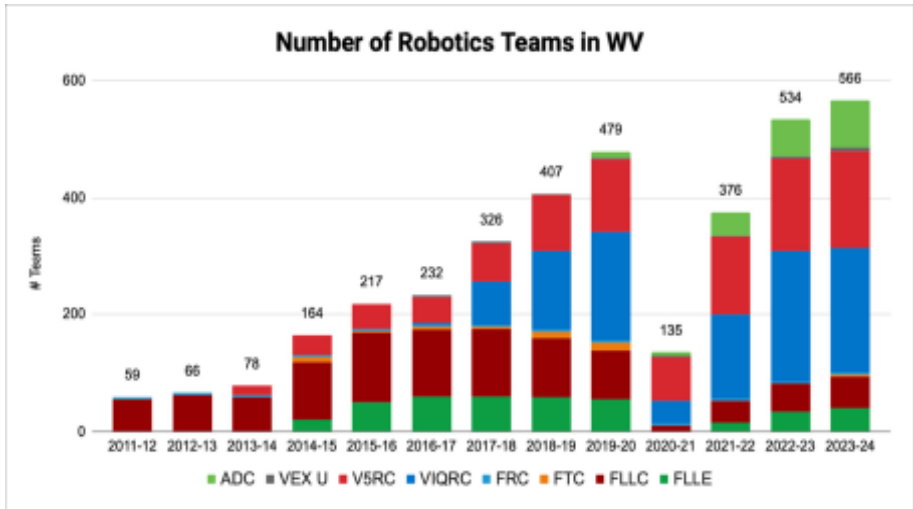
The NASA West Virginia Space Grant Consortium (WVSGC or Consortium) is a National Aeronautics and Space Administration (NASA) sponsored organization established in August 1991. The WVSGC is comprised of West Virginia academic institutions, the Community and Technical College System, and several corporate 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

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## Notable Space Grant Alumnus

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### 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.

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## Student Research and Internships

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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,



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

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## Extension and Public Outreach

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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 Virginia science, technology, and engineering topics to West Virginia 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.



**5 in 6**

**Teachers Agree!**

WV SPOT presentations are relevant to their curriculum.