



# NASA Academic Partnering Opportunities

## NASA Student Opportunities

- **Pathways Employment Interns** “path to employment”: Similar to prior Federal Cooperative Education—a Federal-wide program for students enrolled in school pursuing a degree of interest to the agency. Find them at [usajobs.gov/studentsandgrads](https://usajobs.gov/studentsandgrads)
- **Internship Program**: Students enrolled in school pursuing a degree in business or science, technology, engineering and mathematics-related fields. Students must complete 640 hours of work experience, or approximately 16 weeks which can be broken into alternating semesters.
- **Recent Graduates**: Must apply within 2 years after graduation with exception for military active duty candidates who may have graduated up to 6 years prior.
- **Presidential Management Fellowship**: A flagship leadership development program at the entry-level for advanced degree candidates.
- **Education Interns**: (summer, fall, spring)  
Visit [intern.nasa.gov](https://intern.nasa.gov)
- **NASA Student Launch**: Research-based, competitive, experiential exploration activity. Provides relevant, cost-effective research and development of rocket propulsion systems.  
Visit [www.nasa.gov/studentlaunch](https://www.nasa.gov/studentlaunch)
- **Human Exploration Rover Challenge**: formerly NASA Great Moonbuggy Race  
Visit [www.nasa.gov/roverchallenge](https://www.nasa.gov/roverchallenge)
- **High schools students United with NASA to Create Hardware (HUNCH) or (PUNCH) for colleges**: A collaboration between NASA and high schools and colleges to allow career tech students to study, design, and fabricate hardware. Visit [www.nasahunch.com](https://www.nasahunch.com)
- **NASA Fellowship Opportunity**: NASA’s Marshall Space Flight Center in Huntsville, Alabama, is offering fellowships for qualified science, technology, mathematics and engineering faculty at U.S. colleges and universities.  
Visit [nasa.gov/stem/fellowships-scholarships](https://nasa.gov/stem/fellowships-scholarships)
- **NASA Space Technology Research Grants**: Portfolio of groundbreaking university research in advanced space technology—engages the entire spectrum of academic researchers through four competitive opportunities.  
Visit [www.nasa.gov/strg](https://www.nasa.gov/strg)



## MUREP

NASA provides financial assistance via competitive awards to Minority Serving Institutions.

Visit <https://www.nasa.gov/stem/murep/about/index.html>

## Grants/Cooperative Agreements

Visit <https://www.grants.gov/> and select “NASA.”

## Small Business Technology Transfer Program

Annual opportunity for universities to partner with small businesses to develop innovative technologies with commercial potential for NASA.  
Visit [sbir.nasa.gov/solicitations](https://sbir.nasa.gov/solicitations)

## Cooperative Agreement Notices (CANS)

Technology Development Opportunities to work with NASA on technologies of mutual interest.  
Visit [go.nasa.gov/2OZ5QE4](https://go.nasa.gov/2OZ5QE4)

## NASA Innovative Advanced Concepts (NIAC)

Program where visionary ideas can transform future NASA missions with the creation of breakthroughs—radically better or entirely new aerospace concepts.  
Visit [www.nasa.gov/niac](https://www.nasa.gov/niac)

## Space Act Agreements

NASA’s way to partner with non-NASA organizations to utilize NASA’s unique services that is mutually beneficial to both parties. Visit [www.nasa.gov/partnerships](https://www.nasa.gov/partnerships)

## NSPIRES

Visit <https://nspires.nasaprs.com/external/>

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## NASA STUDENT OPPORTUNITIES WHERE COULD YOU FIT INTO OUR SPACE

### Competition-Based Prizes

[www.nasa.gov/solve](http://www.nasa.gov/solve)

[www.nasa.gov/ntl](http://www.nasa.gov/ntl)

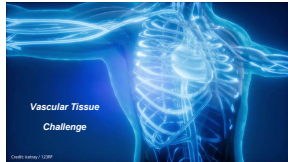
[www.nasa.gov/challenges](http://www.nasa.gov/challenges)



Space Robotics Challenge



3D-Printed Habitat Challenge



Vascular Tissue  
Challenge

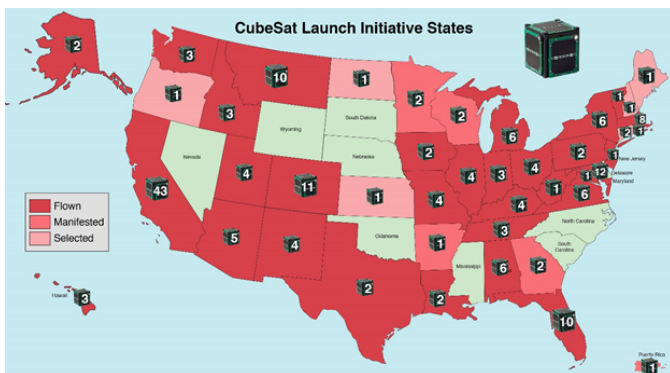
## Marshall Space Flight Center Top Technology Partnering Areas

- Advanced Manufacturing, Mechanisms, and Structures Technology
- Small Spacecraft Component Technology
- Advanced Avionics and Computing Technology/ Power Communication, Guidance Navigation and Control
- Materials and Structures for Extreme Environments
- Habitat/ Environmental Control and Life Support (ECLSS)
- In Situ Resources Utilization
- Innovative/ Advanced Propulsion Systems Technology
- Small Launch Vehicle Technology
- Technologies Supporting Science Research (Heliophysics, Earth Science, Lunar/Planetary, Space Weather and Environments)

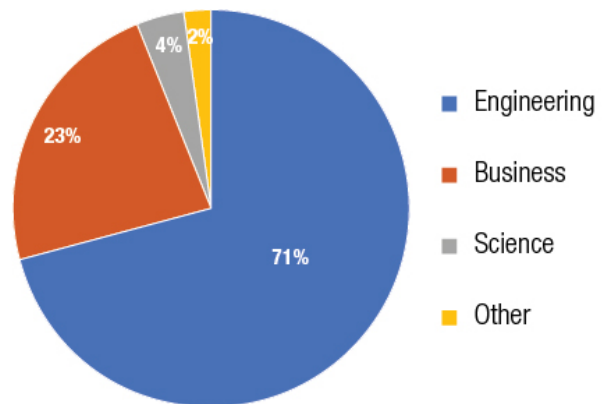
## CubeSat Launch Initiative

NASA's CubeSat Launch Initiative provides access to space for CubeSats developed by the NASA Centers and programs, educational institutions, and non-profit organizations giving CubeSat developers a low-cost pathway to conduct research in the area of science, exploration, technology development, education, and operations.

[https://www.nasa.gov/directorates/heo/home/CubeSats\\_initiative](https://www.nasa.gov/directorates/heo/home/CubeSats_initiative)



## 2022 WORKFORCE NEEDS



National Aeronautics and Space Administration  
George C. Marshall Space Flight Center  
Huntsville, AL 35812

[www.nasa.gov/marshall](http://www.nasa.gov/marshall)