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# NASA - National Aeronautics and Space Administration

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- **Achieving Competence in Computing, Engineering and Space Science**

[Students Higher Education]

[Available: Nationally]

ACCESS provides summer internships to highly qualified students with disabilities.

[> Find out More](#)

[> View site →](#)

- **Aeronautics Academy**

[Students Higher Education]

[Available: Nationally]

This U.S. college student opportunity offers intense training in aeronautics that includes research, leadership development, and broad exposure to the nation's aeronautics enterprise.

[> Find out More](#)

- **Airborne Research Experiences for Educators and Students**

[Educators Grades 5-12 & Students Higher Education]

[Available Nationally]

NASA offers the perfect package of adventure and career development. Teachers earn graduate level credits while spending six weeks in California as part of a residential science research program that includes flying on a NASA aircraft.

[> Find out More](#)

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- **Applied Physics Laboratory Internship Project**

[Students Higher Education]

[Available: Nationally]

The NASA APL Internship project is a 10-week summer internship at the Johns Hopkins Applied Physics Laboratory for students interested in civil and/or defense space projects.

[> Find out More](#)

- **Astro Camp**

[Students Grades K-8]

[Available: Nationally]

Astro Camp is an exciting, week-long mission for children located in Bay St. Louis, MS. Each year, it has activities centered around a new space exploration theme.

[> Find out More](#)

[> View site →](#)

- **Caltech Postdoctoral Scholars at the Jet Propulsion Laboratory**

[Students Higher Education]

[Available: Nationally & Internationally]

Opportunities for research positions provide significant training and professional growth for future scientific and technological leaders.

[> Find out More](#)

- **Career Exploration Program**

[Students Grades 9-12 & Higher Education]

[Available: Nationally]

The Career Exploration Program is an internship experience offered at NASA's Johnson Space Center and White Sands Test Facility to high school, undergraduate and graduate students in science, engineering and business fields. Internships range from 10 weeks to a year long.

[> Find out More](#)

[> View site →](#)

- **Community College Aerospace Scholars**

[Students Higher Education]

[Available: Texas]

Funded by the Texas legislature, CAS is an interactive online learning experience highlighted by a two-day experience at Johnson Space Center. Selected students are encouraged to study math, science, engineering and computer science by interacting with engineers at JSC.

[> Find out More](#)

[> View site →](#)

- **Consortium for Undergraduate Research Experience**

[Students Higher Education]

[Available: CA]

CURE is a year-round research internship project for underrepresented minority and women undergraduates in the Los Angeles area. CURE matches students with mentors at the Jet Propulsion Laboratory and Caltech in a real research experience.

[> Find out More](#)

[> View site →](#)

- **Digital Learning Network**

[Educators and Students Grades K-Higher Education]

[Available: Nationally]

DLN offers videoconferencing or Webcasting at no charge, providing interactive educational experiences to students and educators from kindergarten to university levels across the Nation and around the world.

[> Find out More](#)

[> View site](#)

- **Dropping In a Microgravity Environment**

[Educators & Students Grades 6-12]

[Available: Nationally]

The DIME competition challenges student teams to design, build, and operate microgravity experiments in a NASA drop tower.

[> Find out More](#)

[> View site →](#)

- **Education Associates**

[Educators Grades K-Higher Education & Students Higher Education]

[Available: Nationally]

Education Associates is a flexible year-round project that permits NASA scientists, engineers and managers to "tap higher education," while giving university students and faculty the opportunity to "experience NASA."

[> Find out More](#)

[> View site →](#)

- **Education Outreach Project at Johnson Space Center**

[Educators & Students Grades K-Higher Education]

[Available: TX]

Volunteers participate in various outreach opportunities, including lecturing or performing hands-on activities in the classroom, career shadowing, tutoring, mentoring and judging science fairs. Students must live within a 50-mile radius of JSC.

[> Find out More](#)

[> View site →](#)

- **Endeavor Science Teaching Certificate Project**

[Educators K-12 and Students Higher Education]

[Available: Nationally]

The project awards Endeavor Science Teaching Certificate Project Fellowships to K-12 formal educators (in-service, alternative route, pre-service) to develop and improve teachers' knowledge of pedagogical content. Fellows demonstrate changes in practice and apply science concepts with NASA content and educational materials.

[> Find out More](#)

[> View site →](#)

- **Exploration Infusion**

[Educators & Students Grades K-12]

[Available: LA and MS]

NASA curriculum materials in science, technology, engineering and mathematics are used to engage the education communities of the Mississippi Band of Choctaw Indians and the Gulf Coast Education Initiative Consortium.

[> Find out More](#)

- **Explorers Post 633 -- Human Spaceflight**

[Students Grades 9-12]

[Available: Ohio]

This post will expose Explorers to various aspects of human, robotic and space exploration. This year, through hands-on activities, participants will explore the technology required to send astronauts to the moon. Explorers will discover what is required to ensure astronaut health in space.

[> Find out More](#)

[> View site →](#)

- **Exploring Project**

[Students Grades 9-12]

[Available: OH]

Exploring increases student awareness of aeronautics, computer technology, balloon satellites and careers in each field. Exploring involves students in the designing, building and testing of projects.

[> Find out More](#)

[> View site →](#)

- **Faculty Student Teams Project**

[Faculty & Students Higher Education]

[Available: Nationally]

Faculty and students from various colleges and universities partner with GSFC to work with Exploration Systems Mission Directorate, or ESMD, projects both during the summer and during the academic year.

[> Find out More](#)

- **FIRST Robotics**

[Students Grades 9-12]

[Available: Nationally]

The FIRST Robotics Competition is an exciting, multinational competition that teams professionals and young people to solve an engineering design problem in an intense and competitive way.

[› Find out More](#)

[› View site](#)

- **Graduate Student Researchers Project**

[Students Higher Education]

[Available: Nationally]

The GSRP awards fellowships for graduate study leading to master's or doctoral degrees in the fields of science, mathematics and engineering related to NASA research and development.

[› Find out More](#)

[› View site →](#)

- **Great Moonbuggy Race**

[Students Grades 9-Higher Education]

[Available: Nationally]

The Great Moonbuggy Race is an annual competition for students to design well-crafted vehicles to manipulate rugged simulated lunar terrain at the U.S. Space & Rocket Center in Huntsville, Ala.

[› Find out More](#)

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- **High School Aerospace Scholars**

[Students Grade 11]

[Available: TX]

Funded by the Texas legislature, HAS is an interactive online learning experience highlighted by a weeklong program at Johnson Space Center. Selected students are encouraged to study math, science, engineering and computer science by interacting with engineers at JSC.

[› Find out More](#)

[› View site →](#)

- **Independent Validation and Verification Project**

[Students Higher Education]

[Available: Nationally]

IV&V is an internship project for diverse undergraduate and graduate students interested in careers in computer science, software engineering,

information systems or related fields.

[› Find out More](#)

- **Interdisciplinary National Science Project Incorporating Research and Education Experience**

[Students Grades 9-12 and Higher Education]

[Available: Nationally]

NASA will engage selected students in its mission through multiple experiences in hands-on activities and internships designed to maximize their involvement in science, technology, engineering and mathematics, or STEM, education.

[› Find out More](#)

- **Jenkins Pre-doctoral Fellowship Project**

[Students Higher Education]

[Available: Nationally]

The JFPF provides full-time underrepresented graduate students in science, technology and education with financial support for their education in NASA-related disciplines.

[› Find out More](#)

[› View site →](#)

- **Jet Propulsion Laboratory Postdoctoral Associate Project**

[Students Higher Education]

[Available: Nationally & Internationally]

JPL offers opportunities for research positions that provide significant training and professional growth for future scientific and technological leaders.

[› Find out More](#)

- **Jet Propulsion Laboratory Undergraduate Scholars**

[Students Higher Education]

[Available: CA]

The Scholars project offers scholarships and fellowship opportunities for community college students at 30 colleges closest to JPL in Pasadena,

California.

[> Find out More](#)

[> View site →](#)

- **Langley Aerospace Research Student Scholars Project**

[Educators Grades Pre-K-Higher Education & Students Higher Education]

[Available: Nationally]

Participants spend 10 weeks conducting state-of-the-art research with other students from across the nation. They work with NASA researchers exploring an array of high-technology development projects and activities in pursuit of space exploration.

[> Find out More](#)

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- **Lewis' Educational & Research Collaborative Internship Project**

[Students Grades 12-Higher Education]

[Available: Nationally]

LERCIP provides students with introductory professional experiences to complement their academic programs and research interests under the guidance of a NASA mentor. The project provides students with summer internships at Glenn Research Center to learn about NASA and possible career choices.

[> Find out More](#)

- **Lewis' Educational & Research Collaborative Internship Project: High School Project**

[Students Grades 10-11]

[Available: OH]

The LERCIP High School Project provides a summer learning opportunity for current 10th- and 11th-grade students who will be juniors and seniors in the upcoming school year and are interested in science, technology, engineering, math and professional administration.

[> Find out More](#)

- **Magnetic Field Investigation of Mars by Interacting Consortia**



[Students Higher Education]

[Available: Nationally]

MIMIC is a piggyback microsatellite designed, built, tested and operated by students.

[> Find out More](#)

- **Marshall Robotics Academy**

[Students Higher Education]

[Available: Nationally]

NASA's Marshall Space Flight Center Robotics Academy is a 10-week resident summer internship for students specifically interested in robotics. Participants must be rising college freshmen or sophomores.

[> Find out More](#)

- **Marshall Space Grant Research Internship Project**

[Students Higher Education]

[Available: Nationally]

This summer internship project supports Space Grant's efforts in education, research and workforce development.

[> Find out More](#)

- **Middle School Aerospace Scholars**

[Educators & Students Grades 6-8]

[Available: TX]

MAS gives teams of middle school teachers from across the state of Texas an opportunity to participate in a unique professional development project.

[> Find out More](#)

[> View site →](#)

- **Morgan State University Summer Institute of Robotics**

[Students Grades 9-12]

[Available: MD, PA, and NY]

The purpose of this project is to increase the knowledge and understanding of the concepts and principles of robotics for urban high school students with an interest in careers in science, technology,

engineering and mathematics.

[› Find out More](#)

- **Motivating Undergraduates in Science and Technology**

[Students Higher Education]

[Available: Nationally]

MUST awards scholarships and internships to undergraduates pursuing degrees in science, technology, engineering and mathematics, or STEM, fields.

[› Find out More](#)

[› View site](#)

- **NASA Academy**

[Students Higher Education]

[Available: Nationally & Internationally]

The NASA Academy is an intensive ten-week leadership development project for highly motivated and successful undergraduate and graduate students.

[› Find out More](#)

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- **NASA Aeronautics Scholarship Program**

[Students Higher Education]

[Available: Nationally]

Scholarship opportunities with internships are available for undergraduate- and graduate-level students.

[› Find out More](#)

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- **NASA Contracting Intern Project**

[Students Higher Education]

[Available: Nationally]

The NCIP was developed in an effort to serve as a training ground for future professionals within the NASA procurement community.

[› Find out More](#)

[> View site →](#)

- **NASA Pathway Programs**

[Students Higher Education]

[Available: Nationally]

NASA Pathways Programs provide opportunities for students and recent graduates to be considered for Federal employment.

[> Find out More](#)

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- **NASA Science and Technology Institute for Minority Institutions**

[Students Higher Education]

[Available: Nationally]

The NSTI-MI provides the opportunity for students and researchers from minority-serving institutions to collaborate with government, the private sector, other majority institutions, and research and technical organizations through the establishment of research and development collaborations and partnerships.

[> Find out More](#)

[> View site →](#)

- **National Community College Aerospace Scholars**

[Students Higher Education]

[Available: Nationally]

Community college students from across the nation who are interested in science, technology, engineering and mathematics will apply to travel to NASA's Johnson Space Center in Houston for a three-day experience. This opportunity will provide a hands-on project featuring engineering career possibilities.

[> Find out More](#)

[> View site →](#)

- **National Space Club Scholars**

[Students Grades 9-12]

[Available: MD and VA]

The summer intern project, for up to 30 high school students with space

scientists and engineers, is sponsored by NASA Goddard Space Flight Center, Greenbelt, Md., and NASA Wallops Flight Facility, Wallops Island, Va., in cooperation with the National Space Club.

[> Find out More](#)

- **National Space Grant College and Fellowship Program**

[Faculty and Students Higher Education]

[Available: Nationally]

This program provides NASA funding for space-related research, education and public service projects through a national network of 52 university-based Space Grant consortia.

[> Find out More](#)

[> View site](#)

- **Postdoctoral Scientists and Engineers, Including the National Research Council**

[Students Higher Education]

[Available: Nationally]

Postdoctoral-level scientists and engineers are given extended (one- to two-year) research opportunities at Johnson Space Center.

[> Find out More](#)

- **Pre-Service Teacher Institutes**

[Educators Grades K-8 & Students Higher Education]

[Available: Nationally]

PSTI gives pre-service teachers and faculty members opportunities to enhance their knowledge and skill in teaching mathematics and science by using technology at the elementary and middle school levels.

[> Find out More](#)

- **Reduced Gravity Student Flight Opportunities Project**

[Educators & Students Higher Education]

[Available: Nationally]

This reduced-gravity project provides a unique academic experience for undergraduate students to successfully propose, design, fabricate, fly and

evaluate a reduced-gravity experiment of their choice over the course of six months. The overall experience includes scientific research, hands-on experimental design, test operations, and educational and public outreach activities.

[> Find out More](#)

[> View site →](#)

- **Research Affiliates**

[Students Higher Education]

[Available: Nationally]

Research Affiliates is a research project linking researchers in the academic community and their scientific or engineering counterparts at the Jet Propulsion Laboratory.

[> Find out More](#)

- **Research Apprenticeship Project**

[Students Higher Education]

[Available: CA]

The apprenticeship project is intended to follow previous Jet Propulsion Laboratory research experiences. Students are employed by their college under work-study programs to do continuing research in Earth, space science and technology fields.

[> Find out More](#)

- **Robotics Academy**

[Students Higher Education]

[Available: Nationally]

This project is a 10-week, resident summer internship for students specifically interested in robotics who have taken active interest in robotics in demonstrable ways.

[> Find out More](#)

[> View site →](#)

- **Science, Engineering, Mathematics and Aerospace Academy**

[Students Grades K-12]

[Available: CA, FL, GA, IN, MD, MI, NM, NY, NC, OH, SD, TN, TX, VA and WV]

The NASA SEMAA project is comprised of three unique, core components that collectively engage K-12 students, parents and adult family members, and teachers in exciting science, technology, engineering and mathematics, or STEM, opportunities.

[> Find out More](#)

[> View site](#)

- **Shadowing Project**

[Students Grades 9-12]

[Available: OH]

High school students can explore possible NASA-related careers from one day up to one week. Opportunities are available during the school year for students interested in science, engineering, technology, mathematics and professional administration.

[> Find out More](#)

[> View site](#)

- **Space Grant Work Force Development Project**

[Students Higher Education]

[Available: Nationally]

This project is designed for undergraduate students with interests and capabilities in aeronautics, space science, technology and related fields.

[> Find out More](#)

- **State of Florida Science & Engineering Fair Summer Intern**

[Students Grades 9-12]

[Available: FL]

The internship is available for one graduating high school senior with an outstanding science fair project competing in the Florida State Science & Engineering Fair. The student must also be planning to pursue a degree in a field such as engineering related to the Kennedy Space Center's mission.

[> Find out More](#)

- **Student Independent Research Internship**

[Students Higher Education]

[Available: CA]

SIRI is a one-semester training project for higher education students interested in research.

[> Find out More](#)

[> View site →](#)

- **Student Internship Project**

[Students Higher Education]

[Available: Nationally]

Designed for students whose primary interest is in space-related research, SIP is an intensive 10-week summer research project for diverse students interested in careers in aerospace-related fields.

[> Find out More](#)

- **Student Launch Projects**

[Students Grades 7-12 & Higher Education]

[Available: Nationally]

SLP challenges students to design, build and launch a reusable rocket with a scientific or engineering payload to one mile above ground level. The project engages students in scientific research and real-world engineering with NASA engineers.

[> Find out More](#)

- **Student Volunteer Service Project**

[Students Grades 11-Higher Education]

[Available: Nationally]

The project involves students gaining work experience and knowledge in early career exploration.

[> Find out More](#)

- **Summer Aerospace Workforce Development Research Internship Project**

[Students Higher Education]

[Available: Nationally]

SAWDRIP is a 10-week, summer internship in which students are placed in state-of-the-art projects with aerospace companies to provide skills

marketable to both NASA and aerospace companies that support NASA.

[> Find out More](#)

- **Summer of Innovation**

[Educators Grades 4-9]

[Available: Nationally]

NASA's Summer of Innovation, or SoI, leverages current NASA research and discovery as a powerful context for student learning. The Summer of Innovation inspires middle school students and sparks their imaginations by using the excitement of NASA's missions. In partnership with organizations across the country, NASA hopes to test and expand models that are proven to make a difference.

[> Find out More](#)

[> View site](#)

- **Summer Undergraduate Research Fellowships Project**

[Students Higher Education]

[Available: Nationally]

The SURF project offers summer research experiences at Caltech or the Jet Propulsion Laboratory to undergraduates.

[> Find out More](#)

[> View site →](#)

- **Teaching From Space**

[Educators & Students Grades K-12]

[Available: Nationally]

TFS uses the unique environment of human spaceflight to facilitate education opportunities that support science, mathematics, engineering and technology instructional materials through on-orbit education downlinks, demonstration activities and payloads.

[> Find out More](#)

[> View site](#)

- **Tribal Colleges and University Project -- Native American Internships**

[Students Higher Education]



[Available: Nationally]

This 10-week, summer project provides qualified students with internship opportunities to gain hands-on experience in their NASA-related field of study.

[› Find out More](#)

- **Tribal Colleges and University Project -- Summer Research Experience**

[Faculty & Students Higher Education]

[Available: Nationally]

Student and faculty teams research opportunities to gain hands-on experience in their NASA-related field of study.

[› Find out More](#)

- **Undergraduate Student Research Project**

[Students Higher Education]

[Available: Nationally]

USRP provides on-site, mentored internship experiences year-round at all NASA centers. Opportunities are open to full-time college sophomores, juniors and seniors.

[› Find out More](#)

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- **UARC STI Graduate Student Summer Internship Project**

[Students Higher Education]

[Available: Nationally]

Learn more about the Systems Teaching Institute's summer research opportunities for graduate students.

[› Find out More](#)

[› View site →](#)

- **University Research Centers**

[Faculty and Students Higher Education]

[Available: Nationally]

URC's are multidisciplinary research units established at minority institutions to focus on a specific area of NASA interest.

[› Find out More](#)

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- **Virginia Summer Residential Governor's Schools**

[Students Grades 9-12]

[Available: VA]

Opportunities are provided for gifted students from public and private schools from across the Commonwealth of Virginia to explore professional and university environments through artistic and academic enrichment tailored to their aspirations, level of ability and depth of experience.

[› Find out More](#)

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<http://www.nasa.gov/offices/education/programs/descriptions/Students-rd.html>