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Programs for Colleges and Universities

NASA Science and Technology Scholarship Program (STSP)

This "workforce development" strategic initiative directly supports enhancement of the science, technology, engineering and math pipeline. STSP, currently, under development, will provide scholarship opportunities for students in each of three major components of the undergraduate student research pipeline: research universities, research colleges and community colleges. Students with high achievement in the areas of science, technology, engineering or mathematics who are selected for this program will receive full college tuition in exchange for a commitment to work for NASA or one of its affiliates.

Check http://education.nasa.gov/divisions/higher/overview/F_pathfinder_scholarship.html for updates about STSP.

National Space Grant College and Fellowship Program

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

Undergraduate training is provided through the mechanism of fellowship and scholarship awards. Most fellowship and scholarship awards include a mentored research experience with university faculty or NASA scientists. For additional information about the National Space Grant College and Fellowship Program, please visit: <http://education.nasa.gov/spacegrant>.

Experimental Program to Stimulate Competitive Research (EPSCoR)

Nineteen states and one commonwealth participate in NASA EPSCoR. NASA invests between \$125,000 - \$700,000 annually in each state. The goal of NASA EPSCoR is to develop academic research enterprises that are long-term, self-sustaining and nationally competitive for non-EPSCoR dollars. The NASA EPSCoR states emphasize the participation of underrepresented groups in all facets of their operations. EPSCoR targets states having modest research infrastructure and provides funds to develop a more competitive research base within their member academic institutions. For additional information about the EPSCoR program, please visit: <http://www.nasa.gov/audience/foreducators/postsecondary/grants/EPSCoR.html>.

Graduate Student Researchers Program (GSRP)

GSRP is a fellowship program for graduate students studying in the fields of science, technology, engineering and math with research interests directly in line with NASA missions. The program is open only to U.S. citizens who are planning to enroll or who are currently enrolled as graduate students in an accredited U.S. college or university. Students spend their internships working with a NASA scientist or engineer. However, students spend most of their time on campus taking courses and conducting research. A stipend, renewable for up to three years, is granted to program participants. For more information, visit <http://fellowships.hq.nasa.gov/gsrp/nav/>.

Harriet G. Jenkins Pre-doctoral Fellowship Program

NASA's commitment to ensure development of culturally diverse scientific and technical human resources resulted in the establishment of the Harriet G. Jenkins Pre-doctoral Fellowship Program. This program provides support for full-time graduate students underrepresented in science, technology and engineering fields. Students must be U.S. citizens attending accredited U.S. colleges/universities with financial support for a research-based education leading to a doctoral degree in a NASA-related discipline. Each three-year fellowship also includes an annual, hands-on research experience at a NASA center. For additional information on the Pre-doctoral Fellowship Program, please visit: <http://216.15.33.202/jenkins/about>.

Achieving Competency in Careers in Engineering and Space Science (ACCESS)

ACCESS is an on-site summer work program for undergraduate/graduate students with disabilities

majoring in engineering, science, mathematics, computer science and some business fields. ACCESS provides a 10-week, paid experience at Stennis Space Center in Hancock County, Miss., for those who are U.S. citizens and who maintain a minimum of a "B" average. EntryPoint, an AAAS program, manages the ACCESS program. For more information, visit <http://ehrweb.aaas.org/entrypoint/apply.html>.

Cooperative Education Program (Student Co-op)

Student Co-op is an on-site, paid program that provides college students the opportunity to gain "real world" work experience outside the classroom. While participating in a work tour, students work alternate semesters or quarters at Stennis Space Center in a paid, full-time position directly related to their fields of study. Interested individuals may contact their advisors, college departments, NASA center personnel office or click <http://education.ssc.nasa.gov/pdf/coopprogr2.pdf>. Adobe Reader is needed to view this information (free [Adobe Reader](#) software is available).

Student Volunteer Service Program (SVSP)

SVSP is an on-site, volunteer program for high school and college students. Sponsored through the Office of Personnel Management (OPM), SVSP provides an opportunity for students to explore career opportunities, gain academic-related experiences, and develop personal and professional skills. Interested individuals may contact their school counselors/advisors or visit <http://www.usajobs.opm.gov/ei20.asp> for more information.

Please note: With the single exception of the NRC/RRA program, you must be a U.S. Citizen to participate in any of the above programs.

The DEVELOP Program

Student teams research NASA science capabilities relevant to community concerns and create advanced computer generated visualizations demonstrating research results. DEVELOP encourages applications from high school through graduate level students with strong interests in science, technology and policy. [Click here](#) for more information.

Minority University Research and Education Programs (MUREP)

NASA's Office of Equal Opportunity Programs increases the Agency's responsiveness to federal mandates related to Historically Black Colleges and Universities, Other Minority Universities, Hispanic Serving Institutions, and Tribal Colleges and Universities. Numerous educational and research programs fall under this division. A list of MUREP programs and descriptions follows. For additional information about MUREP, please visit: <http://mured.nasaprs.com>. The following programs fall under MUREP:

Pre-Service Teacher Institute

The Pre-Service Teacher Institute is an intensive, two-week summer residential session for college students who are preparing to teach elementary or middle school. College students from diverse backgrounds spend a dynamic and exciting time at NASA Stennis Space Center where they are exposed to problem-based learning, and mathematics and science enrichment activities. Visit the PSTI Web site at: <http://edu.larc.nasa.gov/pstp/>.

Faculty Awards for Research (FAR)

Each year, projects emphasizing research areas relevant to the NASA Strategic Enterprises will be selected from proposals submitted by eligible faculty at minority universities. Ph.D. level, tenure-track faculty, who have received no more than \$250,000 in NASA research grants during the last five years and who are U.S. citizens are eligible to apply. Awards in support of the planned research activities will be made for up to three years based on the annual progress toward accomplishing their goals and objectives and the availability of funds. An announcement calling for proposals is made each year. For more information, please visit http://mured.nasaprs.com/awards/pi_awards/far/index.cfm or call (228) 688-3832.

National Action Council for Minority Engineers' Undergraduate Student Award for Research (NACME/USAR)

NACME/USAR is an on-site, paid internship/scholarship open to undergraduate students with at least a 3.0 GPA on a 4.0 scale who are pursuing studies in engineering or related fields relevant to NASA's mission. Open only to African-American, Latino and Native American students enrolled in 19 select colleges and universities, NACME/USAR requires participants to have earned no more than 39 credit hours toward graduation and that they demonstrate financial need as certified by their university financial aid offices. For more information and a list of the 19 select colleges, universities and liaisons, visit <http://nacme.org>.

Program to Increase the Pursuit of Education and Learning IN Engineering and Science (PIPELINES)

PIPELINES is a paid, on-site internship open only to ethnic minority students and faculty in the fields of engineering, science, mathematics and computer science. PIPELINES offers opportunities to educators, college students at all levels, and pre-college students. For more information, interested individuals should contact their schools, counselors/advisors, Southern University at Baton Rouge, Iowa State University or visit

http://www.phys.subr.edu/pipelines/_private/summary.pdf. Adobe Reader is needed to view this information (free [Adobe Reader](#) software is available).

Society for Hispanic Professional Engineers' Opportunity as NASA's Outstanding Researchers in Engineering and Science (SHPE/HONORES)

SHPE/HONORES is an on-site paid internship/scholarship program open only to Hispanic students pursuing studies in the fields of engineering, mathematics and science at Hispanic serving Institutions including Texas A&M University in Kingsville, Texas; University of Turabo in Gurabo, Puerto Rico; Florida International University in Miami, Fla.; and California University in Fresno, Calif. For more information, visit <http://www.shpefoundation.org/honores.html>.

Mathematics, Science and Technology for Teacher and Curriculum Enhancement Program (MASTAP)

MASTAP grants are awarded to projects that enhance curriculum and the teaching capabilities of in-service and pre-service teachers in math, science and technology. The grant is usually awarded for three years with a maximum of \$200,000 in funding a year. Visit http://mured.nasaprs.com/awards/ms_awards/mastap/index.cfm for more information.

Partnership Awards for the Integration of Research into Undergraduate Education (PAIR)

PAIR grants are awarded to projects that make undergraduate faculty and undergraduate students more aware of NASA-related science, math and technology. The program should also increase undergraduate involvement in NASA research that is being conducted at the institution. Projects are typically funded for four years with a maximum of \$400,000 in funding a year. For more information about NASA research awards, visit http://mured.nasaprs.com/awards/part_awards/pair/index.cfm.

University Research Center (URC)

The URC program helps establish minority university centers of excellence for conducting research relevant to NASA. The program typically involves five years of multi-project initiatives and URCs may compete to renew funding for an additional five years. URCs receive a maximum of \$1.2 million in funding a year. For more information about current solicitations for URC and other research programs, visit <http://research.hq.nasa.gov/research.cfm>.

NASA Administrator's Fellowship Program (NAFP)

The NAFP seeks to improve a minority university's understanding of NASA research programs and goals, and promote collaboration by exchanging science and engineering staff between the universities and NASA. Visit <http://www.uncfsp.org/nasa/nafp> for more information.

Curriculum Improvement Partnership Award (CIPA)

In close cooperation with NASA, United Negro College Fund Special Programs Corporation (UNCFSP) developed the CIPA Program. This program benefits NASA and students of minority institutions by providing grant support to improve undergraduate curricula in mathematics, science, engineering and technology, which will strengthen student skills in these areas. The mission of CIPA is three fold: (1) to increase the quantity and quality of NASA-related mathematics, science, engineering and technology curricula, (2) to increase the number of minority students at the pre-collegiate and collegiate levels that study this curricula, and (3) to increase the number of minority students that choose careers in NASA-related fields. Visit <http://www.uncfsp.org/cipa/index.html> for more information.



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