Program-Title NASA Undergraduate Student Research

**STEM Inventory** 

Entry# 132

Org-Type Government-based

Lead NASA POC N/A

PoC-Phone N/A PoC-Email vsgc@odu.edu

Address

URL

Service-Region Nationwide

Type Student Program

Subjects General Science | Math | Earth Science | Computer Science | Technology

Level Undergraduate

Other-Objectives

Served-per-Year Demographics

Content

The NASA Undergraduate Student Research Program (NASA-USRP) offers undergraduate students across the United States research experiences at NASA Centers. Students may apply for a 10-week summer session or a 15-week spring or fall session. Eligible fields of study are academic majors or demonstrated coursework concentration in engineering, mathematics, computer science or physical/life sciences. At the end of the the session students must submit a paper on their NASA-USRP research experience. Students may also be asked to discuss their research in public forums and/or participate in NASA-sponsored colloquia, workshops and technology demonstrations.

Outcomes

The purpose of the NASA-USRP is three-fold: · To extend and strengthen NASA's commitment to educational excellence and university research, highlighting the critical need to increase the Nation's undergraduate and graduate science, engineering, mathematics, and technology skill base. · To build a national program bridge – from existing NASA K-12 Education Program activities to NASA Higher Education Program options – that encourages and facilitates student interest in future professional opportunities with NASA and its partner organizations. Such opportunities might include NASA career employment, temporary assignment, undergraduate and graduate co-op appointment, Space Grant scholarships and fellowships, or contractor positions. · To attract undergraduate students from the widest array of backgrounds, who are fully representative of America's racial, ethnic, and cultural diversity and to provide them with hands-on, challenging research experiences that stimulate continued student interest in the fields/disciplines aligned with NASA's research and development mission.

Started Funded-Through

Length Ongoing Cost

Primary-Funding Primary-\$

Materials

Other-Funding

How-Assessed

Best-Practice-Why

The program offers students a chance to see what researchers do at NASA centers. Upon attending the session students will develop a greater skill base and gain a strong technical foundation, through which leadership potential can develop among an academically strong and diverse student population.

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