

**Subject:** 2014 NASA Pre-Service Teacher Institute–Application is OPEN!

**Audience:** Full-time students majoring in K-8 education

**Application Deadline:** **Monday April 28, at 12:00 pm noon, CT, 2014**

**Description:** NASA seeks undergraduate students pursuing degrees in K-8 education for the NASA Pre-Service Teacher Institute 2014! PSTI consist of 4 weeks in an online course in May that will teach how to integrate NASA-STEM activities into the curriculum along with effective teaching strategies. The culminating activity is a week of training at Johnson Space Center in Houston, TX June 8-13<sup>th</sup> or June 22-June 27<sup>th</sup> with all travel expenses covered by NASA.

**Interested applicants must:**

- Be a U.S. Citizen
- Be a student attending a Minority Serving Institution
- Be a K-8 prospective teacher
- Be a full-time college student
- Have an overall 3.0 Grade Point Average or higher
- Be a rising junior or senior going into the K-8 classroom, or a graduate student in K-8 with no undergraduate degree in education
- Have successfully completed at least one math or science class
- Have not previously attended a Pre-Service Teacher Institute at any NASA center

**Application Available at the PSTI Website:** <http://education.jsc.nasa.gov/psti/index.htm>

**Questions:** [jsc-psti@mail.nasa.gov](mailto:jsc-psti@mail.nasa.gov)

## MORE DETAILS ABOUT PSTI 2014

*Special Note: Fifty (50) slots are available and we are in search of quick commitments.*

### WHAT IS PSTI?

The NASA Johnson Space Center (JSC) Pre-Service Teacher Institute (PSTI) is a professional development program for higher education students studying to become STEM teachers. Targeted participants will include but are not limited to underrepresented and underserved students from Minority Serving Institutions (MSI) nationwide. The program affords participants to gain pedagogical and content-based training in a blended format to include online and face to face meetings. Online instruction will be delivered via a learning management system preceding the face to face meeting(s). Face to face meetings will occur in one of two separate one-week sessions at NASA Johnson Space Center. All activities will incorporate the use of NASA education resources, the use of evidence-based teaching practices, the integration of science, technology, engineering and mathematics (STEM), and the use of authentic teaching experiences unique to understanding human space exploration. Participants who complete the institute will produce a comprehensive electronic portfolio qualified to support a professional profile, academic studies, and/or an increase in marketability for positions in teaching STEM subject areas.

## **PROGRAM GOALS**

- Utilize NASA Education Resources related to human space exploration that demonstrate true integration of STEM.
- Provide pedagogical and content-based training in order to enhance pre-service P-12 teachers' knowledge, skills and strategies for teaching STEM.
- Provide opportunities for authentic teaching experiences.
- Demonstrate the delivery of instruction in the virtual and traditional fashions.
- Equip participants with an end product useful for marketing their acquired skills.

## **IMPORTANT DATES**

Online Course for all participants: May 12-June 2, 2014

### **JSC - PSTI Section 1**

The face to face workshops at NASA Johnson Space Center in Houston, TX begin on June 8, 2014 through June 13, 2014.

### **JSC – PSTI Section 2**

The face to face workshops at NASA Johnson Space Center in Houston, TX begin on June 22, 2014 through June 27, 2014.

## **PARTICIPANT BENEFITS**

Travel – Air travel for participants who reside outside of the 300 mile radius of NASA Johnson Space Center in Houston, TX will be provided. Participants who reside within a 300 mile radius of NASA Johnson Space Center are required to drive to the workshop and will receive mileage reimbursement.

Hotel – Hotel accommodations are covered by PSTI for participants only.

Ground Transportation – Transportation to and from NASA, including field trip sites is covered by PSTI.

Meals – Meals are provided for PSTI participants only.

Resource Materials – Access to NASA Education Resources will be demonstrated during the course of PSTI. Participants should have access to a personal wireless laptop computer and a digital camera during the face to face portion of PSTI.

## **ELIGIBILITY**

To be eligible to apply to the program you must:

- Be a U.S. Citizen (the program is not open to foreign nationals)
- Be a student attending a Minority Serving Institution
- Be a K-8 prospective teacher
- Be a **full-time** college student
- Have an overall 3.0 Grade Point Average or higher

- Be a rising junior or senior going into the K-8 classroom, or a graduate student in K-8 with no undergraduate degree in education
- Have successfully completed at least one math or science class
- Be in attendance for the entire institute, including the online activities and the face to face workshops
- Complete assigned work prior to arriving to the PSTI Institute
- Complete assigned work during the PSTI Institute
- Have a current e-mail address
- Have a current phone number
- Have not attended a Pre-Service Teacher Institute at one of the NASA Centers

Pre-Service Teacher Institute Support:

[jsc-psti@mail.nasa.gov](mailto:jsc-psti@mail.nasa.gov)