

Seeking University Students to Assist with Mentoring

Washington Aerospace Scholars (WAS) is seeking undergraduate and graduate university students interested in assisting engineering professionals as they mentor high school juniors during a six-day summer residency hosted by the Museum of Flight. Interested individuals will support students as they design a human mission to Mars. We are seeking 16 university students to support four weeks of residencies.

Overview

The goal of Washington Aerospace Scholars is to encourage the scholars to study science, technology, engineering and math (STEM) by giving them an in-depth view of what careers in those fields are really like. Assistant mentors' provide guidance and advice about their own educational and professional experiences which can help scholars decide to pursue STEM careers.

The entire residency revolves around the design of a human mission to Mars. Prior to arriving, these high school juniors will have spent six months working with a NASA curriculum to provide them with the context necessary to succeed with the tasks. During the residency the assistant mentors facilitate the team project with assistance from scientists, engineers, and certified educators.

Scholars are divided into four teams for the residency. The team projects will be an in-depth review of one of the following topics in Mars exploration:

- **Getting There and Back** - Why do we go? Where are we going? What are the risks? How do we go safely?
- **Living There** - How do we survive? What are the dangers? What are our physical and psychological needs?
- **Working There** - What is our mission? What do we need? How will we work together?
- **Mission Integration** - How do integrate to accomplish the mission parameters and overall goals?

Assistant Mentor Time Commitment

Although mentors work with students on their projects Monday-Friday mornings from 8am to 12pm, each student's residency begins on Sunday afternoon and ends with a celebratory luncheon on Friday from 12-2pm. Attendance at the welcome and orientation on Sunday is optional, but encouraged. During the afternoons and evenings the scholars are chaperoned by teachers as they attend presentations, field trips, and events with their teams. Mentors are welcome to attend these as their schedules permit.

Summer Session Dates

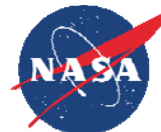
- Week 1 - June 21-25, 2009**
- Week 2 - June 28- July 3, 2009**
- Week 3 - July 12-17, 2009**
- Week 4 - July 19-24, 2009**

Responsibilities

- Submitting a biography and photo to be distributed electronically/posted on-line.
- Communicating with your team via email prior to the residency session.
- Setting a good example for students.
- Assisting Mentors with their responsibilities.
- Participating in the professional leadership of your team.
- Demonstrating an effective working relationship with your team's Mentor and Counselor.
- Maintaining friendly, but professional relationships with students.
- Attending other summer residency events as your schedule allows.
- Talking to students about your college experiences, as appropriate.

Assistant Mentor Application Deadline: May 15, 2009

Please direct questions/inquiries to:
Melissa Edwards, WAS Administrator
(206) 764-5866 medwards@museumofflight.org
www.museumofflight.org/washingtonaerospacescholars



University Student Application Summer 2009
Application Deadline: May 15, 2009

Please check one: Undergraduate Student Graduate Student

Applicant Data

Name _____

Email Address _____

Home Phone (____) _____ Alternate/Cell Phone (____) _____

College/University _____

Department/Program _____

Anticipated Graduation Date and Degree _____

Address _____

Address 2 _____

City _____ State _____ Zip _____

Work Phone (____) _____ Work Fax (____) _____

Advisor's Name _____

Advisor's Phone (____) _____

Hometown _____

If Applicable:

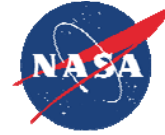
College/University _____

Degree _____ Major _____

College/University _____

Degree _____ Major _____

OVER



Special Skills (including languages spoken): _____

Statement of Interest Please briefly explain why you are interested in volunteering with the WAS Summer Residency--you may attach a separate sheet, if necessary: _____

Program Preferences	
Shirt Size: <input type="checkbox"/> women's _____ <input type="checkbox"/> men's _____	
Special Dietary Needs: _____	
Team Preference (please rank):	
_____ Getting There and Back	_____ Living There
_____ Working There	_____ Mission Integration
Week Preference (please rank only weeks that you are available; leave others blank):	
___ June 21-25, 2009	___ July 12-17, 2009
___ June 28-July 3, 2009	___ July 19-24, 2009

Please send completed applications by May 15, 2009 to: Melissa Edwards, WAS Administrator		
FAX: <u>(206)764-5707</u>	US Mail: The Museum of Flight 9404 E. Marginal Way South Seattle, WA 98108-4097	Email: <u>medwards@museumofflight.org</u>