The NASA Academy

- Academy Basics
- Highlights from the Class of 2004
- 2005 Application Information
Academy Basics

• Selected on:
  – Academic standing (GPA)
  – *Demonstrated* interest in space
  – *Demonstrated* leadership
  – Project experience
  – Maturity and recommendations

• Space Grant Consortium co-sponsor and fund students
• Challenge them academically; further develop leadership
• Foster collaboration
• Expose to breadth of NASA
• Provide networking opportunities
• Keep them engaged
Program Curriculum

- Independent Research - 60% of Time
- Group Project
- Travel to NASA Centers and Space Industry
- Lectures (some joint with other students interns)
  - Science and Engineering
  - Leadership and Management
  - Diversity Appreciation
- Youth Outreach
- Grads in *active* alumni association (NAAA)
- University of Maryland grants 3 credits
Academy Demographics

- 428 Alumni from four NASA Academies since 1993
- Alumni represent 52 of the 52 State Space Grant Consortia
- 18% of alumni represent minorities (13% underrepresented minorities)
Academy Web Site

http://www.nasa-academy.nasa.gov

- Participants
- Curriculum
- Research
  - Group Project
  - Individual Projects
  - Education Module
  - Poster
- Activities
- Calendar
- Staff
- Publications

2004 Academy Patch
2004 GSFC Academy Summary

- 19 Participants (10 women/ 9 men/ 32% minority, and Academy’s first grandmother)
- 60% of work week spent in labs
- Group Project “Mars Subsurface Chemical Life Explorer”
- 30 lectures and 56 meetings
- 12 field trips including 5 NASA Centers and 3 to NASA HQ
- Girl Scout, Community Service Project, and Family Weekend
2004 GSFC Academy
Group Bonding

Rafting at Ohio Pyle State Park

Spelunking at Laurel Caverns
2004 GSFC Academy
Mid-Term Poster Session

Laurie Barge - right
Finale Doshi- lower
Aerial view – lower right
2004 GSFC Academy
Special Invited Luncheon Sessions

Goddard Retirees Alumni Association Luncheon

Maryland Space Business Roundtable Luncheon
2004 GSFC Academy
Marshall Space Flight Center

Meeting with MSFC Center Director Mr. David King

Academy in front of MSFC Headquarters Building
2004 GSFC Academy
Langley Research Center

Tour of LaRC Wind Tunnel

Meeting with LaRC Center Director
Mr. Roy Bridges
2004 GSFC Academy
Glenn Research Center

Meeting with GRC Center Director
Dr. Julian Earls

Tour of GRC Particle Accelerator Lab
2004 GSFC & Ames Academy
Johnson Space Center

Visit to Ellington Field

Meeting with JSC Center
Director General Howell
Meeting with Randy Stone in the Historic Mission Control and the Neutral Buoyancy Tank
2004 GSFC Academy
Outreach – *Inspiring the Next Generation*
2004 GSFC Academy
Family Weekend
2004 GSFC Academy
Family Weekend – Rocket Launch
2004 GSFC Academy
Meetings with the NASA Administrator

Meeting at NASA HQ
with Mr. O’Keefe

Academy prepared
Dinner at the House
2004 GSFC Academy
Academy Graduation – August 13

Group Project Presentation by Brian Nord & Dr. Frank Six w/keynote

Final Group Photo with Dr. Ed Weiler – GSFC Center Director
2004 NASA Academy
Welcome to the University Programs Online Application. Here you can apply to several of our internships with a single application. Please login below or create a new account.

Instructions

**Deadline: January 31, 2005**

Use this application to apply any of the following programs:

**NASA Academy**
- **Location:** Ames, Glenn, Goddard, and Marshall Centers
- **Qualifications:**
- **Description:**

**Student Internship Program (SIP)**
- **Start:** June 6, 2005
- **Duration:** 10 Weeks/40 Hours Per Week
- **Location:** Goddard, Wallops, GISS
- **Transportation:**
- **Housing:** Housing is the responsibility of the student; a Fraternity house will have rooms available.
- **Qualifications:** U.S. Citizen or permanent resident. Be a enrolled fulltime student as of May of the program year; have a 3.0 average GPA (minimum).
- **Description:** SIP is designed for students whose primary interest is in space related research. Research is conducted in areas of aeronautics, Earth science, space science, propulsion, material science, remote sensing, and computational analysis.

**Robotics Internship Program**
- **Location:** Goddard
- **Qualifications:**
- **Description:**

Independent Verification & Validation (IV & V) Internship
2005 NASA Academy Application

http://www.nasa-academy.nasa.gov/application/index.html
Questions & Answers