APPLICATION INSTRUCTIONS

Please read through the entire application before filling it out. TYPE OR PRINT NEATLY (blue or black ink) and pay special attention to the following:

• List the sponsoring space organization. (i.e. CNES, CSA, ESA, JAXA, VSSEC) See item 10.

• The complete application contains six (6) sections including: (I) General Data, (II) Application Essays, (III) Education, (IV) Experience, (V) Special Skills, Hobbies, Interests, and (VI) Additional Application Materials.

• The essay questions (items 15A and 15B) are among the most important part of this application. Please pay particular attention to these items. Your selection will be based, in part, on a suitable match of your skills, competencies, and interests to a particular project.

• This application also serves for international placements at other NASA Centers hosting a NASA Academy (see question 29). For lists of potential projects, see instructions on your sponsoring space organization’s website.

• Finalists in the selection process will be contacted to schedule a telephone interview by a member of the Education Program staff or the NASA Academy Alumni Association (NAAA). The contact information listed in item 7 will be used for this purpose and must be valid during the months of February/March 2010.

• Please return application materials in this order: I. General Data sheets, II. Application Essays (A & B), III. Education, IV. Experience, V. Special Skills, Hobbies, Interests, VI. Additional Application Materials - Bio, Resume, and Transcripts. (Please email or mail, as appropriate, to the sponsoring organization).

FINAL APPLICATION INSTRUCTIONS:

Please contact your sponsoring Space Agency regarding its specific application procedures and deadlines.

Please include all requested materials with your submittal.

Eligibility Requirements:

1. Minimum 3.2 GPA on a scale of 4.0 (or equivalent)
2. Major in engineering, science (physics, astronomy, chemistry, biology, earth science, etc), math, computer science or other area of interest to the aerospace program.
3. Rising graduate student (1st year) or 2nd year graduate student (see question 11)
4. Completed a prior space-related internship or research assignment, preferably with your sponsoring agency. (see question 18)

PLEASE NOTE: If you have not completed a prior space-related internship, you can still apply and be selected for a NASA Goddard internship assignment using this application. However, you cannot be placed in the NASA Academy.
I. GENERAL DATA (Application to NASA Academy)

1. Name __________________________________________
   last (family name)
   __________________________________________
   first ___________________________ middle

2. Date of birth: ______/_______/______ 3. Marital status: _____married _____single
   month day year

4. Gender: _____male _____female

5. Citizenship: __________________

6. Ethnic status (check one) (optional)
   __________African American  __________Hispanic American  __________Asian American
   __________Native American  __________Caucasian American  __________other (specify)
   __________________________________________

7. Current mailing address (valid until: ___________________)
   month day year
   __________________________________________
   address
   __________________________________________
   city state country zip
   __________________________________________
   phone fax e-mail

8. How did you learn about the NASA Academy (circle one)?  Space Grant,  Professor,
   Poster,  Friend,  NASA Academy Alumni,  website,  email,  other, please
   specify_________

9. Have you applied to NASA Academy before (Y/N)?_________
   If yes, what year(s) and center(s)?
   If participated, what year(s) and center(s)?

10. Sponsoring Space Organization (CNES, CSA, ESA, JAXA, VSSEC)__________________
    ___________________________________________________________________________
    Contact person _____________________________________________________________
    phone email

11. What is the highest level of your education you will have completed by May 2010?
    _____Undergraduate Junior _____Undergraduate Senior _____Graduate School (# of years)
    NOTE: Eligibility for International students requires them to be equivalent to U.S. students entering their
    1st or 2nd year at the graduate level as of fall 2010.

12. Current college/university information
    __________________________________________________________
    college/university location (city, state, country)
    __________________________________________________________
    major GPA / scale
    ___________________________
    degree date expected (month/year)
13. Permanent address

______________________________________________
address

____________________________________
city        state        country    zip

__________________________________________
phone   fax     e-mail

dates you will be at this address

14. Health Information (Allergies, health problems, or any other condition that would affect a seven-day-per-week program participation)

II. APPLICATION ESSAYS

15. Please attach two separate essays (maximum 400 words each) addressing the following:

A. After reviewing the list of available projects (see your sponsor’s website), identify three to five of your favorite and explain how your skills, competencies and interests would make you well suited to doing research this summer at Goddard or Ames consistent with your selections. If you are applying to both the Goddard and Ames Academies, please select three to five projects for each program and submit separate essays based on your selections. For your reference, a general description of typical skills and types of projects is provided below.

Typical Space Science projects seek students with backgrounds in physics, electrical engineering, cryogenics, computer science, optics, and control systems. Most require practical “hands-on” laboratory experience and computer analysis skills. A sample of types of Space Science projects include working with superconductors, electromechanical modeling, and fabrication and testing of new low cost, lightweight, high performance antenna elements.

Typical Earth Science projects seek students with backgrounds in engineering, physics, remote sensing, meteorology, materials, optics, and computer science. Again, most of these projects require practical “hands-on” laboratory experience and computer analysis skills. A sample of types of Earth Science projects include working with hydrometerologic remote sensing instruments, measuring aerosol absorption, designing special optical filters, developing GIS datasets, researching lidar and laser altimeter technology, and miniaturizing instruments to fly on ultra light aircraft.

Typical Applied Engineering projects seek students with backgrounds in engineering, physics, digital electronics, chemistry, and materials science. Here again, most of these projects require practical “hands-on” laboratory experience and computer analysis skills. A sample of types of Applied Engineering projects include evaluating a sintering process and
all aspects of material synthesis, development of digital communications and signal processing technology, and design and analysis of wireless concepts for the strain sensor.

Typical Education projects seek students with backgrounds in education and outreach, and having good communications and computer skills. The education project involves making radio telescope observations with the Goddard radio telescope or remote radio telescopes, understanding how to analyze the data using project software, testing and improving educational materials from a high school point of view, and helping students or teachers to participate in the program either through use of their own equipment or by remotely controlling a telescope through the Internet and gathering data through this telescope.

B. Explain why you want to attend the NASA Academy, why you are interested in NASA and the aerospace program, what you hope to gain from the Academy experience, and what you can offer the Academy.

III. EDUCATION

16. Other colleges/universities you have attended (list those institutions at which you have completed at least one semester full-time or two semesters part-time).

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<th>Credits/Degree Earned and Discipline</th>
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IV. EXPERIENCE

17. General work experience

18. Space-related internships, Research experience and publications
V. SPECIAL SKILLS, HOBBIES, INTERESTS

19. Special skills/certifications (pilot's license, SCUBA, programming languages, etc.)

20. Aerospace or space science related activities (SEDS, AIAA, CAP, etc.; include dates of participation and any offices held)

21. General activities (extracurricular, athletics, arts, music, volunteer work, etc.; include dates of participation and any offices held)

22. Membership in professional groups or societies (IEEE, SAE, ASME, GSA, etc.; include duties and offices held)

23. Awards
24. Hobbies/interests

VI. ADDITIONAL APPLICATION MATERIALS

25. Please list the individuals that you have asked to send letters of recommendation:

1. ____________________________________________________________
2. ____________________________________________________________

26. Please include a 100-150 word biographical essay.

27. Please include a copy of your resume.

28. Please include an unofficial transcript from each of the universities you have attended.

29. Please check which Academy(s) you would like to be considered for:
   ______ Ames,  ______ Goddard

VII. CONTACT INFORMATION

   Ames Academy Director:  Brad Bailey, Brad.Bailey@nasa.gov
   Goddard Academy Director:  David Rosage, David.J.Rosage@nasa.gov
   NASA Headquarters Office of External Relations:  Patrick Longenbaker,
       Patrick.Longenbaker@nasa.gov