



# Homeland Security

## DHS Scholarship and Fellowship Program

### Application for Undergraduate Scholarships

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#### Required items:

- Completed Application Form
- Two (2) references

*Have your referees submit these online on your behalf.*

- Transcript(s) from all postsecondary institution(s) attended

*Have your institution(s) send these directly to ORISE via postal mail.*

- Copy of Birth Certificate--only required for U.S. citizens by birth without a current or expired U.S. Passport

*Send this directly to ORISE via postal mail.*

#### Deadlines:

- **January 5, 2010: Application Form, Parts 1 through 10 must be submitted online by 11:59 p.m., Eastern Standard Time on this date.**
- **January 12, 2010: Two Reference Report Forms must be submitted online on your behalf by 11:59 p.m., Eastern Standard Time on this date.**
- **January 12, 2010: Official Transcripts (must include fall 2009 grades if enrolled) from all postsecondary schools attended must be submitted on your behalf by this postmark deadline.**
- **January 12, 2010: Copy of Birth Certificate must be submitted by applicant by this postmark deadline if applicant is a U.S. citizen by birth and does not have a U.S. Passport (current or expired).**

**Note: A postmark deadline means that the item must be postmarked by the U.S. Postal Service by the date listed. There is no need to send items via overnight or special delivery.**

Detailed information and eligibility requirements available at: [www.ora.gov/dhsed/](http://www.ora.gov/dhsed/)

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#### Send all postal materials to:

Oak Ridge Institute for Science and Education  
DHS Scholarship and Fellowship Program, MS 36  
PO Box 117  
Oak Ridge, TN 37831-0117

*We will not accept faxes or e-mail attachments. Do not send duplicate items via fax or e-mail.*

All applicants will be subject to a criminal records check and other background investigations conducted by the U.S. Government. These inquiries are conducted to develop information to assess various factors about the applicant, including reliability, trustworthiness, honesty, integrity, character, conduct, and loyalty to the United States.

**PART 1. GENERAL INFORMATION**

1. Name: \_\_\_\_\_  
 (First) (Middle) (Last) (suffix)

Social Security Number: \_\_\_\_\_  
 Date of Birth: (mm/dd/yyyy) \_\_\_\_\_  
 If born in U.S.: (city, state, county) \_\_\_\_\_  
 If born outside U.S.: (city, country) \_\_\_\_\_

**2. Citizenship: [If you are not a U.S. citizen, do not apply.]**

- U.S. citizen by birth (go to question 4)
- Naturalized U.S. citizen (go to question 3)
- U.S. citizen, but not born in the U.S. or a U.S. Commonwealth (go to question 3)

**3. If you are not a U.S. citizen by birth, you must answer A or B below or answer Question 4, providing your passport information:**

**A. Naturalization Certificate Information:**

Certificate Issue Date:  
 Number: \_\_\_\_\_ (mm/dd/yyyy) \_\_\_\_\_

**Where was the certificate issued?**

Court: \_\_\_\_\_  
 City and State: \_\_\_\_\_

**B. Citizenship Certificate Information:**

Certificate Issue Date:  
 Number: \_\_\_\_\_ (mm/dd/yyyy) \_\_\_\_\_

**Where was the certificate issued?**

City and State: \_\_\_\_\_

**State Department Form 240 – Report of Birth Abroad of a Citizen of the United States:**

Date Prepared: \_\_\_\_\_  
 (mm/dd/yyyy): \_\_\_\_\_ Explanation: \_\_\_\_\_

**4. U.S. Passport Information (current or expired):**

Passport Issue Date:  
 Number: \_\_\_\_\_ (mm/dd/yyyy) \_\_\_\_\_

**5. Selective Service Record:** Males born after December 31, 1959 are required to register with Selective Service. Find your registration number at <http://www.sss.gov>. If this does not apply, go to question 6.

Registration Legal Exemption  
 Number: \_\_\_\_\_ Explanation: \_\_\_\_\_

**6. Former Names (last names only):** \_\_\_\_\_

*[Information on former names is essential in associating information received on your behalf with your application file, such as transcripts and letters of reference.]*

**7. Do you have any relatives currently working at DHS? Relatives include spouse, parents, step-parents, children, step-children, grandparents, brothers, step-brothers, sisters, step-sisters, and in-laws.**

- Yes
- No

**If yes, list name, relationship, and office/program:**

**8. For this item report information regardless of whether the record in your case has been sealed or otherwise stricken from the court record. The single exception to this requirement is for certain convictions under the Federal Controlled Substances Act for which the court issues an expungement order under the authority of 21 U.S.C. 844 or 18 U.S.C. 3607.**

**A. Have you ever been charged with or convicted of a felony offense? (Include those under Uniform Code of Military Justice.)**

- Yes
- No

**B. Have you ever been charged with or convicted of a firearms or explosives offense?**

- Yes
- No

**C. Are there currently any charges pending against you for a criminal offense?**

- Yes
- No

**D. Have you ever been charged with or convicted of any offense(s) related to alcohol or drugs?**

- Yes
- No

**9. Are you currently or have you previously been supported in an educational program by DHS?**

- Yes
- No

**If yes, through which program (check all that apply):**

- DHS Scholarship and Fellowship
- HS STEM Summer Internship
- Summer Research Team Program for Minority Serving Institutions
- International Science and Engineering Fair ISEF Scholarship
- DHS Centers of Excellence
- DHS Scientific Leadership Awards for Minority Serving Institutions Grant
- DHS HS-STEM Career Development Grant
- Other Specify: \_\_\_\_\_

**PART 2. ADDRESS AND CONTACT INFORMATION**

**10. Contact Information:**

Address Line 1: \_\_\_\_\_  
 Address Line 2: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Cell: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

*[The contact information above will be used to communicate with you during application processing and review and must be valid through June 30, 2010. You may use your parents' address if it is less likely to change. If any of the contact information above changes, you must notify us in writing via e-mail or postal mail.]*

**PART 3. EDUCATION, WORK, AND RESEARCH EXPERIENCE**

**11. Location of High School and other High School Data:**

**(If high school is not in U.S., then put city and country in the city field and leave the state field blank.)**

City and State: \_\_\_\_\_  
 Graduation Date: (mm/yyyy) \_\_\_\_\_  
 Cumulative GPA: (4.0 Scale) \_\_\_\_\_  
 SAT Test Date: (mm/yyyy, or enter N/A if you have not taken the SAT) \_\_\_\_\_  
 SAT Verbal Score: (200-800, or leave blank if you have not taken the SAT) \_\_\_\_\_  
 SAT Math Score: (200-800, or leave blank if you have not taken the SAT) \_\_\_\_\_  
 ACT Test Date: (mm/yyyy, or enter N/A if you have not taken the ACT) \_\_\_\_\_  
 ACT Test Composite Score: (1-36, or leave blank if you have not taken the ACT) \_\_\_\_\_

**12. College-level hours completed since high school graduation:**

Semester Hours: \_\_\_\_\_ Quarter Hours: \_\_\_\_\_

**13. Are you currently enrolled in an educational institution?**

Yes  
 No

**If yes:**

Institution's Name: \_\_\_\_\_  
City and State: \_\_\_\_\_

Full-time  
 Part-time

**14. List the institution from which you did or will receive your bachelor's degree (even if it is the same institution listed in Question 13 above):**

Institution's Name: \_\_\_\_\_  
City and State: \_\_\_\_\_  
Degree Date: (mm/yyyy, received or expected) \_\_\_\_\_



**17. List research experiences, beginning with the most recent. Include high school research experiences.**

Position	Dates (mm/yyyy, if currently involved, list current month and year.)		Description of Research (limit of 150 characters for each experience)
	From	To	

**18. Are you/have you been in a five-year joint baccalaureate-master's degree program?**

- Yes
- No

**19. Are you/have you been in a four-year joint baccalaureate-master's degree program?**

- Yes
- No



## **PART 5.**

### **A. STATEMENT OF RESEARCH EXPERIENCE**

23. Describe relevant research experience you have already had or in which you are currently engaging. In your response, describe your role in the research and the specific activities in which you were or are involved. If findings are available, summarize them briefly and describe the next steps to which this research could lead (either in terms of future research directions or practical applications). Provide reference citations of any publications or presentations on which you were a co-author. If you have not had any research experience, you may leave this question blank. Essay should include original thought. Attribute other words and ideas you use to their proper source. (1 page maximum, single space format, 12-point font size or larger.)

### **B. STATEMENT OF CURRENT RESEARCH INTERESTS**

24. Describe how the DHS scholarship or fellowship experience will influence your current research interests. Be specific about the type of research you would like to conduct, now and in the future. Provide examples of specific research questions you would like to pursue. Essay should include original thought. Attribute other words and ideas you use to their proper source. (1 page maximum, single space format, 12-point font size or larger.)

## **PART 6.**

### **STATEMENT OF HOMELAND SECURITY SERVICE**

25. The Department of Homeland Security S&T Directorate requires a service commitment from recipients of DHS Scholarships and Fellowships related to homeland security science, technology, engineering, and math. Describe where and how you would like to satisfy this requirement and the direct link that your service experience will have to the research mission and DHS Science and Technology priorities. Note that you will almost certainly not satisfy this requirement at DHS Headquarters in Washington; you should focus on the places where DHS-related research and development activities occur, such as DHS Centers of Excellence and National/Federal Laboratories. (1 page maximum, single space format, 12-point font size or larger.)

### PART 7. ACADEMIC AWARDS, HONORS, AND ACTIVITIES

**26. Awards/Honors.** *(List honor societies, scholarship and/or fellowship awards, and other recognition. Include past and current awards and honors.)*

**27. Extracurricular Activities.** *(List any current community service organizations, technical societies and campus activities that you work with and/or volunteer with. Include offices held.)*

### PART 8. REFERENCES

**28. List at least two people familiar with your academic preparation and your technical abilities.** Please provide each of these individuals the necessary information to submit a reference on your behalf electronically by the published submission deadline. Relatives should not be asked to submit references.

Name:	Title and Organization:
1.	
2.	
3.	

**PART 9. DEMOGRAPHIC INFORMATION**

The U.S Department of Homeland Security is committed to broadening the participation of groups currently underrepresented in science and engineering in DHS activities. In order to accurately gauge our progress in achieving this important goal, we ask that applicants provide the requested demographic information about themselves. Submission of the requested information is voluntary and is not a precondition of award. Nonetheless, we need your cooperation, for information not submitted will seriously undermine the statistical validity, and therefore the usefulness, of information we get from others.

**29. Ethnicity:** *(check one response)*

- Not Spanish/Hispanic/Latino
- Spanish/Hispanic/Latino - A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture regardless of race.

**30. Race:** *(check one or more)*

- American Indian or Alaska Native
- Asian - A person having origins in any of the Far East, South East Asia or the India Subcontinent, including, for example, Cambodia, China, India or Japan.
- Black or African American - A person having origins in any of the Black racial groups of Africa.
- Native Hawaiian or Other Pacific Islander - A person having origins in any of the peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- White - A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

**31. Gender:**

- Female
- Male

**32. Disability Statement:** *(response may be disclosed to qualified reviewers)***33. Please indicate how you learned about the DHS Scholarship and Fellowship Program.** *(check all that apply)*

- Word of Mouth
- E-mail Announcement
- Internet Search
- Link on Another Web Site
- Conference/Presentation
- Printed Material
- DHS Web Site [www.dhs.gov](http://www.dhs.gov)
- DHS Web Site [www.hsuniversityprograms.org](http://www.hsuniversityprograms.org)
- DHS Web Site [www.dhsnetwork.org](http://www.dhsnetwork.org)

**PART 10. CERTIFICATION OF ACCURACY OF INFORMATION PROVIDED**

I am aware that this program is supported by funding from the United States Government and, therefore, is subject to Federal law regarding false statements and fraud, particularly the criminal provisions of 18 U.S. Code Section 1001. I certify, under penalty of law, that the submitted student application contains no false or fraudulent representations, statements, or entries. I certify that my essay responses contain only my original thoughts or other properly attributed information.

The information requested on the application materials will be used in connection with the selection of qualified applicants and may be disclosed to qualified reviewers and staff assistants as part of the review process; to the institution the applicant is attending or is planning to attend or is employed by for the purpose of facilitating review or award decisions, or administering the awards; to government contractors, experts, volunteers and researchers and educators as necessary to complete assigned work; to other government agencies needing data regarding applicants or as part of the review process, or in order to coordinate programs; and to another Federal agency, court or party in a court or Federal administrative proceeding if the government is a party. Information from this system of records may be merged with other computer files to carry out statistical studies the results of which do not identify individuals. Disclosure may be made of awardees' names, home institutions, and fields of study for public information purposes. Submission of the information is voluntary; however, failure to provide full and complete information may reduce the possibility of your receiving an award.

Under certain circumstances (such as an internship at a Federal laboratory or the Department of Homeland Security), the U.S. Government conducts background investigations to establish that individuals are eligible for a required security clearance. The background investigations for national security positions are conducted to develop information to show whether you are reliable, trustworthy, of good conduct and character, and loyal to the United States. In addition to filling out a form (such as the Standard Form 86 which may be viewed at: <http://www.opm.gov/forms/html/sf.asp>), inquiries also may be made about a person's adherence to security requirements, honesty and integrity, vulnerability to exploitation or coercion, falsification, misrepresentation, and any other behavior, activities, or associations that tend to show the person is not reliable, trustworthy, or loyal.

NOTE: This application will be copied and used solely for the purpose of selecting scholarship recipients and administering the Undergraduate Scholarship Program. Disclosure of the information is subject to Public Law 93-579 (Privacy Act of 1974), and Department of Homeland Security regulations.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

DO NOT SUBMIT

**DHS SCHOLARHIP AND FELLOWSHIP PROGRAM  
REFERENCE FORM**

References must be submitted electronically by 11:59 p.m., Eastern Standard Time, on January 12, 2010.

<b>Applicant:</b>			
	<i>(Last Name)</i>	<i>(First Name)</i>	<i>(Middle Name)</i>
<b>How long and in what capacity have you known the applicant?</b> (limit of 240 characters)			

Compared to other students of comparable age and experience you have known in the last five years, how would you rate the applicant with respect to the following **PERSONAL CHARACTERISTICS**?

	Below Average	Average	Good	Very Good	Exceptional	No Basis for Judgement
Motivation and persistence toward a productive career						
Growth during total period observed						
Imagination and originality of thought						
Emotional maturity and stability						
Ability to work with others						
Independence and self-reliance						
Leadership potential						
Demonstration through words and deeds of advancing diversity in science and broadening opportunities for participation of all citizens in all fields of study supported by this program						
Demonstration through words and deeds of benefiting society through their work in and dissemination of science and technology						

Compared to other students of comparable age and experience you have known in the last five years, how would you rate the applicant with respect to the following **SCIENTIFIC CAPABILITIES**?

	Below Average	Average	Good	Very Good	Exceptional	No Basis for Judgement
Mastery of fundamental knowledge in field						
Skill/originality of research project design						
Laboratory skill and technique						
Productivity in research						
Ability to communicate (written/oral)						

Add any descriptive comments that will assist in providing a complete picture of the applicant's abilities. Include specifics about this applicant that will demonstrate why this applicant will be persistent and productive doing research in a homeland security related area.

**COMMENTS:** (limit of 3000 characters)

DO NOT SUBMIT

Signature:	Date:
Typed/Printed Name:	Title:
Department:	Institution/Organization:
Telephone:	E-Mail:

## Homeland Security Research Areas List

- 01 Explosives Detection, Mitigation and Response
- 02 Social and Behavioral Sciences
- 03 Risk, Economics, and Decision Sciences
- 04 Human Factors
- 05 Chemical Threats and Countermeasures
- 06 Biological Threats and Countermeasures
- 07 Food and Agriculture Security
- 08 Transportation Security
- 09 Border Security
- 10 Immigration Studies
- 11 Maritime and Port Security
- 12 Infrastructure Protection
- 13 Natural Disasters and Related Geophysical Studies
- 14 Emergency Preparedness and Response
- 15 Communications and Interoperability
- 16 Advanced Data Analysis and Visualization
- 17 Community, Commerce and Infrastructure Resilience

DO NOT SUBMIT

## Fields of Study with Codes

### **Agricultural Sciences**

- 605 Animal sciences
- 606 Food sciences and technology (also see 638)
- 607 Plant sciences (also see 633)

### **Biological/Life Sciences**

- 631 Biochemistry and biophysics
- 632 Biology, general
- 633 Botany (also see 607)
- 634 Cell and molecular biology
- 635 Ecology
- 645 Emergency and Incident Management
- 642 Epidemiology
- 636 Genetics, animal and plant
- 637 Microbiology
- 638 Nutritional sciences (also see 606)
- 639 Pharmacology, human and animal
- 640 Physiology, human and animal
- 643 Toxicology
- 644 Virology
- 641 Zoology, general
- 681 Forestry sciences

### **Computer and Information Sciences**

- 673 Computer science (also see 727)
- 674 Computer systems analysis

### **Engineering**

- 721 Aerospace and aeronautical engineering
- 722 Agricultural engineering
- 723 Architectural engineering
- 724 Bioengineering and biomedical engineering
- 725 Chemical engineering
- 726 Civil engineering
- 727 Computer/systems engineering (also see 673)
- 728 Electrical, electronics, communications engineering
- 729 Engineering sciences, mechanics, physics
- 730 Environmental engineering
- 731 General engineering
- 732 Geophysical engineering
- 741 Health Physics
- 733 Industrial engineering
- 734 Materials engineering, including ceramics and textiles
- 735 Mechanical engineering
- 736 Metallurgical engineering
- 737 Mining and minerals engineering
- 738 Naval architecture and marine engineering
- 739 Nuclear engineering
- 740 Petroleum engineering

### **Mathematics**

- 841 Applied
- 842 Mathematics, general
- 843 Operations research
- 844 Probability and Statistics

### **Physical Sciences**

- 872 Atmospheric sciences and meteorology
- 873 Chemistry
- 874 Earth sciences
- 680 Environmental science studies
- 875 Geology
- 878 Physics

### **Psychology**

- 891 Clinical
- 704 Educational
- 893 Experimental
- 894 Psychology, general
- 896 Social

### **Social Sciences**

- 921 Anthropology and archeology
- 930 Criminal Justice
- 922 Criminology
- 926 Decision Science
- 923 Economics
- 924 Geography
- 927 International relations
- 928 Political science and government
- 929 Sociology
- 999 Science Policy/Science and Society

### **DVM/PhD Programs**

- 511 Basic biomedical sciences
- 512 Infectious diseases and zoonoses
- 513 Animal health and food safety
- 514 Comparative medicine and laboratory animal medicine
- 515 Population medicine, public health and epidemiology