DHS HS-STEM Summer Internship Program

January 5, 2012 is the deadline for submission of the **application form,** including all essay questions and the list of hosting sites and projects in order of preference. The application form should be submitted by email to dhsed@orau.org.

January 12, 2012 is the deadline for all supporting materials. For items submitted by postal mail, the deadline is a *postmark deadline*, not receipt deadline. There is no need to send information by overnight or special delivery. *To protect your personally identifiable information (PII), items submitted by postal mail should be mailed in an envelope marked "To be read by addressee only."* The required supporting materials are:

- **Two reference report forms** submitted by references by email to dhsed@orau.org. The email must come from an email account that is named in such a way that it is obvious that the email account is owned by the person writing the reference.

- **Official academic transcript** from your current postsecondary institution and any postsecondary institutions attended from Fall 2010 through Fall 2011. If additional postsecondary institutions have been attended, ORISE may request transcripts from these schools as well and will notify you accordingly. Transcript(s) must be submitted directly to ORISE by the academic institutions by postal mail. **Transcript(s) must include Fall 2011 grades.**

- **Citizenship Information Form** submitted by postal mail. Do not send this form by email as it contains personally identifiable information (PII) that, if lost or compromised, could cause serious harm (including identity theft) to you.

- **Copy of birth certificate** for applicants who cannot provide a current or expired U.S. passport number on the Citizenship Information Form. Birth certificate copy must be submitted by postal mail.

Detailed information, forms, and eligibility requirements are available at:
www.orau.gov/dhsinternships

Send all postal materials to:

Oak Ridge Institute for Science and Education
DHS HS-STEM Summer Internship Program, MS 36
PO Box 117
Oak Ridge, TN 37831-0117

Materials submitted by applicants by fax will not be accepted. Transcripts must be sent by academic institutions by postal mail. References should be submitted by email directly by the person submitting the reference on your behalf.

PART 1. GENERAL INFORMATION

1. **Name:** _____

                   (First)   *(Middle)*   *(Last)*

   Former Last Name(s): _____

   I will be 18 years or older as of May 7, 2012. _____

   I am a U.S. citizen. _____

PART 2. ADDRESS AND CONTACT INFORMATION

2. **Contact Information:**

   Address Line 1: _____

   Address Line 2: _____

   City: _____

   State: _____

   Country: _____

   Zip: _____

   Phone: _____   Cell Phone: _____

   Primary E-mail: _____   Secondary E-mail: _____

   The contact information above will be used to communicate with you and must be valid through September 30, 2012. 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 by e-mail or postal mail.

PART 3. EDUCATION, WORK, AND RESEARCH EXPERIENCE

3. **Location of High School and other High School data:**

   City and State/Country: _____

   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 Writing 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):* _____

   SAT Critical Reading 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):* _____

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

   Semester Hours: _____   Quarter Hours: _____

5. **Academic standing as of Fall 2011:** _____

6. **Enrollment status as of Fall 2011:** _____

Name: _____

7. Academic standing as of Fall 2012: _____

8. Enrollment status as of Fall 2012: · _____

9. Information about your current academic institution:

Institution's Name: _____

City: _____   State: _____

Is your current academic institution a two-year or four-year college or university? _____

10. Information about the institution from which you will receive your bachelor's degree, if it is NOT the same as your current academic institution:

Institution's Name: _____

City: _____   State: _____

Degree Date *(mm/yyyy, received or expected):* _____

11. List all technical schools, community colleges, and universities/colleges you currently attend or have attended, including those listed above. *Begin with the most current institution.*

Institution Name City, State/Country	Dates Attended *(mm/yyyy; if currently attending, list current month and year)*		Major Field of Study	Degree Received/ Expected *(AS, BS, etc.)*	Degree Date Received/ Expected *(mm/yyyy)*	Cumulative GPA *(4.00 Scale)*
	From	**To**				

Name:

12. List paid or volunteer activities.

Type of Organization	Dates (mm/yyyy; if currently active, list current month and year)		Description of Duties Performed (limit of 150 characters for each activity)
	From	To	

13. List research experiences, beginning with the most recent and including high school research experiences.

Position	Dates (mm/yyyy, if currently active, list current month and year)		Description of Duties Performed (limit of 150 characters for each activity)
	From	To	

PART 4. PROPOSED UNDERGRADUATE FIELD OF STUDY

14. Proposed major field of study (see Fields of Study below)**:**

15. Relevant homeland security research area. *(See Homeland Security Research Areas for a full description).*

Research area name:

16. List all courses you plan to take during the Winter/Spring 2012 academic term first. Then list the additional courses related to your major and minor fields of study that you plan to take to complete your undergraduate degree.

Course Title:

PART 5. STATEMENT OF CURRENT RESEARCH INTERESTS

17. Describe your current research interests, including one or more research questions or problems you would like to pursue. Describe how your research interests relate to the DHS mission and to one or more of the homeland security research areas described on the program Web site at http://www.orau.gov/dhsinternships. Discuss what you hope to gain from this summer internship experience. In your essay, attribute words and ideas other than your own to their proper source.

Name:_____

PART 6. STATEMENT OF PROFESSIONAL GOALS

18. What are your current professional goals beyond an undergraduate degree, including any additional education? After you have completed your studies, what would your ideal job look like one and five years after graduation? What steps do you need to take to make your plans a reality? What role, if any, will this summer internship play in your career plans?

PART 7. ACADEMIC AWARDS, HONORS, AND ACTIVITIES

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

20. **Extracurricular Activities.** *List any current community service organizations, technical societies and campus activities for which you work and/or volunteer. Include offices held.*

PART 8. REFERENCES

21. **List at least two people familiar with your academic preparation and your technical abilities. Provide each of these individuals with the program reference form to submit by email by the published 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.

22. Ethnicity: *(check one response)*
☐ Hispanic or Latino *(a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race)*

☐ Not Hispanic or Latino
☐ Decline to answer

23. Race: *(check one or more)*
☐ American Indian or Alaska Native *(a person having origins in any of the original peoples of North, Central and South America and who maintains tribal affiliation or community attachment)*

☐ Asian *(a person having origins in any of the original peoples 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 original 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)*
☐ Other race:_____
☐ Decline to Answer

24. Gender: _____

25. Please indicate how you learned about the DHS HS-STEM Summer Internship Program. *(check all that apply)*
☐ Email from DHS or ORISE

☐ Word of mouth or email from a friend or fellow student

☐ Word of mouth or email from a faculty member or school administrator

☐ Information provided by your school career services center

☐ DHS Education Program poster displayed at your school

☐ Internet search for a summer internship position

☐ Link on another Web site to this program's Web site

☐ Twitter

☐ Facebook

☐ Other, please specify: _____

Name:

PART 10. INTERNSHIP SELECTIONS

26. After reviewing the list of hosting sites and projects at http://www.orau.gov/dhsinternships to identify hosting sites and projects of interest:

- *Contact the internship coordinators* with any questions you may have regarding the hosting sites; local housing availability, cost, or roommates; local transportation; security clearance requirements; internship start and end dates; and other administrative issues specific to those research hosting sites.

- *Contact the research mentors* to determine whether the projects you have identified are of interest to you and whether you have the requisite skills and experience for these projects.

- *List the hosting sites* of interest to you in order of preference.

- For each of these sites, *list one, two or three projects* of interest to you, in order of preference.

It may not be possible for you to be assigned to your first choice of hosting site or project. Thus listing three facilities and three projects per facility may increase your chances of an assignment.

Facility/ Project Preference	Facility Name/ Project Title	Mentor Name/E-Mail	
Facility 1			
Project 1			
Project 2			
Project 3			
Facility 2			
Project 1			
Project 2			
Project 3			
Facility 3			
Project 1			
Project 2			
Project 3			

PART 11. 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 receiving an award.

Under certain circumstances (such as an internship at a Federal facility 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 85, Questionnaire for Non-Sensitive Positions, 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 internship recipients and administering the DHS HS-STEM Summer Internship Program. Disclosure of the information is subject to Public Law 93-579 (Privacy Act of 1974), and Department of Homeland Security regulations.

 Signature:

Date:

                    (m/d/yyyy)

If your computer does not support the electronic signature feature, please sign and date the form before returning it by email to dhsed@orau.org.

Homeland Security Research Areas

Advanced Data Analysis and Visualization
Biological Threats and Countermeasures
Border Security
Chemical Threats and Countermeasures
Communications and Interoperability
Community, Commerce and Infrastructure Resilience
Emergency Preparedness and Response
Explosives Detection, Mitigation and Response
Food and Agriculture Security
Human Factors
Immigration Studies
Infrastructure Protection
Maritime and Port Security
Natural Disasters and Related Geophysical Studies
Risk, Economics and Decision Sciences
Social and Behavioral Sciences
Transportation Security

Fields of Study

Agricultural Sciences
Animal sciences
Food sciences and technology (also see Nutrition
Sciences)
Plant sciences (also see Botany)

Biological/Life Sciences
Biochemistry and biophysics
Biology, general
Botany (also see Plant Sciences)
Cell and molecular biology
Ecology
Emergency and Incident Management
Epidemiology
Genetics, animal and plant
Microbiology
Nutritional sciences (also see Food Sciences and
technology)
Pharmacology, human and animal
Physiology, human and animal
Toxicology
Virology
Zoology, general
Forestry sciences

Computer and Information Sciences
Computer science (also see Computer/systems
engineering)
Computer systems analysis

Engineering
Aerospace and aeronautical engineering
Agricultural engineering
Architectural engineering
Bioengineering and biomedical engineering
Chemical engineering
Civil engineering
Computer/systems engineering (also see Computer
science)
Electrical, electronics, communications engineering
Engineering sciences, mechanics, physics
Environmental engineering
General engineering
Geophysical engineering
Health Physics
Industrial engineering
Materials engineering, including ceramics and textiles

Mechanical engineering
Metallurgical engineering
Mining and minerals engineering
Naval architecture and marine engineering
Nuclear engineering
Petroleum engineering

Mathematics
Applied
Mathematics, general
Operations research
Probability and Statistics

Physical Sciences
Atmospheric sciences and meteorology
Chemistry
Earth sciences
Environmental science studies
Geology
Physics

Psychology
Clinical
Educational
Experimental
Psychology, general
Social

Social Sciences
Anthropology and archeology
Criminal Justice
Criminology
Decision Science
Economics
Geography
International relations
Political science and government
Sociology
Science Policy/Science and Society

DVM/PhD Programs
Basic biomedical sciences
Infectious diseases and zoonoses
Animal health and food safety
Comparative medicine and laboratory animal medicine
Population medicine, public health and epidemiology