

Opportunity Title: Nuclear Forensics Undergraduate Summer School (NFUSS) Program

Opportunity Reference Code: ORNL-NFUSS-Summer2018

Organization National Technical Nuclear Forensics Center (NTNFC)

Reference Code ORNL-NFUSS-Summer2018

How to Apply **Include in Profile**

- Name, address, and contact information
- Education, awards, and certification information
- Employment/internship information
- Contact information for your reference
- PDF of your resume/curriculum vita

Include in Application

- Letter of interest that includes:
 - Information on why you are interested in this program
 - Description of how you would benefit from this opportunity
 - Information on your career goals as they relate to the NFUSS opportunity
 - Any knowledge/skills/abilities that reviewers should be aware of when considering your application
- Copy of your most recent college/university transcript, including your spring 2018 class schedule (**unofficial is acceptable**). Redact your Social Security number and birthdate if applicable.
 - If selected, an official transcript or additional information may be requested
- Your reference selection

Once you submit your application, the reference you listed will receive instructions on how to submit on your behalf. It is your responsibility to communicate with your reference to determine if they received instructions on how to submit the online recommendation. Ask them to check their spam folders and be sure to verify that you provided the correct email address. **The reference must be submitted by March 9. Please note that your application must be submitted by the application deadline of February 28**

Application Deadline 2/28/2018 11:59:00 PM Eastern Time Zone

Description NFUSS is a six-week course, sponsored by the [Department of Homeland Security \(DHS\)](#), designed to provide undergraduate students with comprehensive, experimental, hands-on training in topics essential to nuclear forensics. This program will be held June 11 to July 20, 2018, at the University of Utah campus in Salt Lake City. Through laboratory experiments and complementary lectures, students are introduced to the practice and technical aspects of nuclear forensic science. The program will also include a field trip to [Oak Ridge National Laboratory \(ORNL\)](#).

Nuclear forensics involves examining materials recovered from radiological and nuclear events of an illicit or hostile nature in order to determine their character and origin. Nuclear forensics conclusions, combined with information from law enforcement investigation and intelligence, help identify those responsible for planned and actual attacks.

Nuclear forensics supports the U.S. Government commitment to identify and hold fully accountable any state or non-state actor that willfully supports, enables, or engages in hostile weapons of mass destruction activities that threaten the United States or our allies and partners.

Student Stipend

The program will cover your tuition, fees, housing, and meals at the University of Utah. You will receive a \$5,000 stipend that will be paid on a biweekly schedule during your appointment in the NFUSS program.

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In addition, you will receive an allowance to cover travel costs to and from the University of Utah and travel costs for the field trip to ORNL. Selected students will be reimbursed for one round trip domestic travel (if permanent address is more than 50 miles from the University of Utah). Transportation expenses will be reimbursed on the basis of the most direct route. Travel by a private automobile will be reimbursed at the current federal privately owned vehicle mileage rate. Travel by air will be reimbursed at the cost of the lowest commercial airfare and may include ground transportation and standard baggage fees (limited to two bags).

Field Trip

The 2018 NFUSS will include a field trip to [Oak Ridge National Laboratory](#) to provide participants a firsthand view of an operational environment.

Important Dates

Below are the important dates for the 2018 program.

- **Application deadline:** February 28, 2018
- **Reference received deadline:** March 9, 2018
- **Candidates notified of selection:** March 1-30, 2018
- **Program dates:** June 11 to July 20, 2018
- **Field trip to Oak Ridge National Laboratory:** Tentative date of July 11, 2018

If you have any questions, visit <https://orise.orau.gov/nfuss/> or contact NFUSS@orau.org.

Qualifications

Candidates must:

- Be currently enrolled full time as a degree-seeking student in a science, mathematics, or engineering program at an accredited four-year U.S. college or university
- Have completed at least **two years of college-level coursework** prior to the start of the NFUSS appointment
- Have a minimum overall cumulative GPA of at least 3.0
- Be at least 18 years of age at time of application
- Be a U.S. citizen
- Provide proof of health insurance coverage
- Be available to participate in the full six-week program

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Earth and Geosciences** (10 )
 - **Engineering** (16 )
 - **Environmental and Marine Sciences** (1 )
 - **Life Health and Medical Sciences** (2 )
 - **Mathematics and Statistics** (4 )
 - **Nanotechnology** (1 )
 - **Other Physical Sciences** (7 )
 - **Physics** (16 )

Affirmation

I certify that I am currently enrolled full time as a degree-seeking student in a science, mathematics, or engineering program at an accredited four-year U.S. college or university; I have completed at least two years of college-level coursework prior to the start of the NFUSS appointment; I have a minimum overall cumulative GPA of at least 3.0; I am at least 18 years of age at time of application; I am a U.S. citizen; I can provide proof of health insurance coverage; and I am available to participate in the full six-week program.