



# Academic Resource Catalog



Homeland  
Security

# Contents

- Introduction ..... 2
- Academic Programs and Training..... 3
- Campus Resilience and Emergency Management ..... 6
- Career and Internship Opportunities ..... 9
- Cybersecurity ..... 12
- Grants and Funding Opportunities ..... 14
- International Students..... 15
- Public Awareness Campaigns ..... 17
- Research ..... 18



# Homeland Security

Dear Academic Community Partner,

U.S. institutions of higher education are key stakeholders of the U.S. Department of Homeland Security (DHS) and play an influential role in the homeland security mission. In 2011, DHS strengthened its outreach efforts by forming the Office of Academic Engagement (OAE), which aims to build, improve and leverage lasting relationships with the academic community.

DHS directly engages with school administrators, campus leadership, school emergency management and law enforcement personnel, faculty, and students on a range of issues. The DHS *Academic Resource Catalog*, maintained by OAE, serves as a guide to the DHS programs and resources available to the academic community.

This catalog will be updated on a yearly basis to reflect DHS's latest efforts to support and engage with the academic community. If you have suggestions for how the catalog may be improved, we welcome your feedback at [AcademicEngagement@hq.dhs.gov](mailto:AcademicEngagement@hq.dhs.gov).

Office of Academic Engagement  
U.S. Department of Homeland Security

# Introduction

The Department of Homeland Security (DHS) maintains numerous relationships with members of the academic community and directly engages with school administrators, campus leadership, school emergency management and law enforcement personnel, faculty, and students on a range of issues. DHS also manages the [Homeland Security Academic Advisory Council](#) (HSAAC) which provides advice and recommendations to the Secretary and senior leadership on matters related to homeland security and the academic community.

The *Academic Resource Catalog* serves as a guide to the DHS programs and resources available to the academic community. Maintained by the DHS Office of Academic Engagement, the catalog will be updated on a yearly basis to reflect the Department's latest efforts to engage with and support the academic community.

Information contained in this catalog is organized into the following categories:

- ***Academic Programs and Training:*** Educational programs and training associated with the homeland security discipline and available to the academic community
- ***Campus Resilience and Emergency Management:*** Initiatives, programs, resources, and tools to enhance and promote campus preparedness
- ***Careers and Internship Opportunities:*** Scholarships, internships, fellowships, and recruitment initiatives to attract professionals interested in a career in homeland security
- ***Cybersecurity:*** Programs, tools, and resources available to academic institutions and prospective cybersecurity professionals to support a stable, safe, and resilient cyberspace
- ***Grants and Funding Opportunities:*** Funding awarded to academic institutions or associations to support research and development, training, scholarships, or other homeland security-related matters
- ***International Students:*** DHS involvement in administering and enforcing policies related to international students in the United States
- ***Public Awareness Campaigns:*** Outreach, public affairs, and other communications to the academic community
- ***Research:*** Academic-based research that supports homeland security missions and needs

The Department is pleased to offer this resource and remains committed to building a strong and lasting relationship with the academic community. For more information on DHS and academic engagement, visit <http://www.dhs.gov/topic/academic-engagement> or email [AcademicEngagement@hq.dhs.gov](mailto:AcademicEngagement@hq.dhs.gov).

*The Academic Resource Catalog is a product of the Office of Academic Engagement. Established in 2011, the office advances the DHS mission by building, improving and leveraging relationships with the academic community.*

# Academic Programs and Training

Over the past ten years, homeland security education has grown significantly, with more than 350 new certificate and degree programs created in U.S. institutions of higher education. Additionally, DHS offers a variety of training opportunities for its personnel, partners and citizens. Aligning these academic programs and training opportunities to DHS's mission helps create an educated and informed workforce now and in the future.

**The Center for Homeland Defense and Security (CHDS).** Located at the Naval Post Graduate School and sponsored by the Federal Emergency Management Agency (FEMA), CHDS has been a provider of homeland security graduate and executive level education since 2002. Homeland security leaders, including many DHS employees, receive the analytic skills and substantive expertise needed to meet the immediate and long-term leadership needs of organizations responsible for homeland defense and security. For more information, please visit: <https://www.chds.us/>

**Centers of Academic Excellence in Information Assurance Education (CAE/IAE) Programs.** The National Security Agency (NSA) and DHS jointly sponsor CAE/IAE Programs, which promote higher education and research in Information Assurance (IA) and produce a growing number of professionals with IA expertise in various disciplines. For more information, please visit: [https://www.nsa.gov/ia/academic\\_outreach/nat\\_cae/index.shtml](https://www.nsa.gov/ia/academic_outreach/nat_cae/index.shtml)

**Center for Domestic Preparedness (CDP).** As part of its commitment to having an emergency response community prepared for and capable of responding to all-hazards events, CDP is a major contributor to higher education initiatives through the support of the nursing programs,

emergency management programs of internships, research, and partnerships of training opportunities for first responders in providing college credits for courses attended at the CDP. For more information, please visit: <https://cdp.dhs.gov/>

**College Credit Agreement Initiative.** In February 2013, the Federal Law Enforcement Training Centers (FLETC) finalized an agreement with the College of Coastal Georgia (CCG) to allow DHS employees who complete FLETC's three basic law enforcement training programs to earn CCG college credit. Trainees who are co-enrolled at CCG receive credit in courses related to criminal justice and law enforcement, and the credits earned through these courses can be applied towards a CCG degree, or transferred to another college or university. For more information, please visit: <http://www.fletc.gov/news/press-releases/signing-ceremony-for-college-credit-initiative>

**Emergency Management Higher Education Program.** The Emergency Management Institute (EMI) in Emmitsburg, Maryland, developed the Emergency Management Higher Education (HiEd) Program with the aim of promoting college-based emergency management education for future emergency managers and other interested personnel. The primary goal of the

FEMA HiEd Program is to work with institutions of higher education, emergency management professionals, and stakeholder organizations to help create an emergency management system of sustained, replicable capability and disaster loss reduction through formal education, experiential learning, practice, and experience centered on mitigation, preparedness, response, and recovery. The HiEd Program website contains free downloadable college courses, textbooks and materials, and a college list containing all the emergency management, homeland security and related programs. For more information, please visit: <https://training.fema.gov/emiweb/edu/>

**The Emergency Management Institute (EMI).** EMI supports DHS's and FEMA's goals by improving the competencies of U.S. officials in emergency management at all levels of government to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk. For more information, please visit: <https://training.fema.gov/emi.aspx>

**Federal Law Enforcement Training Centers (FLETC).** FLETC provides services to campus law enforcement personnel through a variety of programs and courses in law enforcement techniques and training. Programs are conducted across the United States and are normally hosted

by a local law enforcement agency. For more information, please visit:

<https://www.fletc.gov/state-local-tribal>

**National Defense University (NDU).** NDU is the center for Joint Professional Military Education (JPME) and works to develop leaders who have the ability to operate and creatively think in an unpredictable and complex world. NDU is under the direction of the Joint Chiefs of Staff. For more information, please visit:

<http://www.ndu.edu/>

**National Initiative for Cybersecurity Education (NICE).** NICE has evolved from the Comprehensive National Cybersecurity Initiative, and extends its scope beyond the Federal workplace to include civilians and students in kindergarten through post-graduate school. The goal of NICE is to establish an operational, sustainable and continually improving cybersecurity education program for the nation to use sound cyber practices that will enhance the nation's security. For more information, please visit:

<http://csrc.nist.gov/nice/>

**National War College.** The National War College educates future leaders of the Armed Forces, State Department, and other civilian agencies for high-level policy, command, and staff responsibilities by conducting a senior-level course of study in national security strategy. The National War College provides a single-phase JPME program for mid-career U.S. military officers, civilian U.S. government officials, and foreign military officers. For more information, please visit:

<http://www.ndu.edu/Academics/CollegesCenters/NationalWarCollege.aspx>

**Naval Postgraduate School (NPS).** NPS is an accredited research university operated by the United States Navy. Located in Monterey, California, it grants master's degrees, Engineer's degrees, and doctoral degrees. NPS also offers research fellowship opportunities at the postdoctoral level through its National Research Council research associateship program. NPS offers graduate programs through four graduate schools and 12 departments. The NPS student population is mostly active-duty officers from all branches of the U.S. Military, although U.S. Government civilians and members of foreign militaries can also matriculate under a variety of programs. For more information, please visit:

<http://www.nps.edu/>

**Naval War College (NWC).** NWC is an accredited Professional Military Education institution providing students with opportunities to join senior and intermediate level U.S. and international military leaders and distinguished interagency colleagues in an intensive, ten-month program of national security studies. In addition to receiving JPME certification, graduates who satisfactorily complete course requirements earn a Master of Arts Degree in National Security and Strategic Studies, fully accredited by the New England Association of Schools and Colleges. For more information, please visit: <http://www.usnwc.edu/>

**Transportation Security Administration (TSA) Associates Program.** The TSA Associates Program was launched in 2008, and in partnership with U.S. community colleges, provides TSA's frontline workforce with the opportunity to receive a TSA Certificate of Achievement and pursue an associate's degree in

homeland security. More than 5,700 TSA officers at airports across the country have enrolled since the program's inception. The program enables officers to enhance their career while working for TSA by offering both classroom and distance learning modalities. For more information, please visit:

<https://www.tsa.gov/news/releases/2012/02/24/tsa-education-program-expands-employees-all-50-states>

**U.S. Coast Guard Academy (USCGA).** The USCGA is one of the five Federal military service academies. Located in New London, Connecticut, the USCGA's mission is to produce leaders of character for service to the nation. About 300 high school graduates enroll annually, leaving four years later with a Bachelor of Science degree and commission as an Ensign. For more information, please visit:

<http://www.cga.edu/>

**U.S. Coast Guard (USCG) Auxiliary University Program (AUP).** Students enrolled in the USCG AUP program complete either a two or four year program of study incorporating basic Coast Guard and maritime education, operational training, leadership development, and more advanced maritime safety and homeland security topics. USCG AUP currently includes 130 participants representing 29 institutions of higher education across the U.S. Participants work together virtually from their home campuses in a variety of subjects ranging from telecommunications to leadership and management as they connect knowledge gained in the classroom with on the job experience in the field. Students who complete specified requirements are designated as an "AUP

Graduate” by USCG. For more information,  
please visit: <http://www.cgauxedu.us/>

# Campus Resilience and Emergency Management

Campus resilience and emergency management involve colleges' and universities' abilities to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk, which align with DHS's goal to build a more resilient nation.

**Academia and Resilience Web Page.** The Federal Emergency Management Agency's (FEMA) Academia and Resilience web page provides tools, resources, program guides, and training information for campus emergency managers, faculty, and students. For more information, please visit:  
<http://www.fema.gov/academia-resilience>

**Active Shooter Preparedness.** DHS offers a comprehensive Active Shooter Preparedness web portal, which contains courses, materials, and workshops for a variety of stakeholders, including the academic community. The portal features a webinar specifically for security officers at K-12 schools, which offers guidance on conducting security assessments of school facilities. For more information, please visit:  
<http://www.dhs.gov/active-shooter-preparedness>

**America's PrepareAthon!** America's PrepareAthon! is a grassroots campaign for action to increase community preparedness and resilience. Join others around the country to practice your preparedness! For more information, please visit:  
<http://community.fema.gov/>

**Building A Disaster-Resistant University.** "Building A Disaster-Resistant University" is a how-to guide and distillation of the experiences of six universities and colleges that have been working to become more disaster-resistant. The

guide provides basic information designed for institutions just getting started, as well as ideas, suggestions, and practical experiences for institutions that have already begun to take steps to becoming more disaster-resistant. For more information, please visit:  
<http://www.fema.gov/media-library/assets/documents/2288>

**Community Emergency Response Team (CERT) Programs.** The CERT programs focus on disaster preparedness and training in basic disaster response skills such as fire safety, light search and rescue, team organization, and disaster medical operations. Using the training learned in the classroom and during exercises, CERT members can assist others in their neighborhood or workplace following an event when professional responders are not immediately available to help. CERT members also are encouraged to support emergency response agencies by taking a more active role in emergency preparedness projects in their communities. For more information, please visit:  
<https://www.fema.gov/community-emergency-response-teams>

**DHS Campus Resilience Program.** The DHS Campus Resilience Program was created upon a recommendation from the Homeland Security Academic Advisory Council, and is a DHS collaborative initiative that involves the Department of Education, Department of Justice,

and Department of State. Within DHS, the program is sponsored by the Federal Emergency Management Agency (FEMA), U.S. Immigration and Customs Enforcement's Student and Exchange Visitor Program, and the Office of Academic Engagement. The program builds upon best practices, lessons learned and resources already developed to make U.S. colleges and universities more resilient, and promotes FEMA's Whole Community approach to resilience planning. As part of the program, DHS developed the Campus Resilience Enhancement System (CaRES), a web-enabled tool that guides users at institutions of higher education through a resilience planning process. For more information, please contact:  
[AcademicEngagement@hq.dhs.gov](mailto:AcademicEngagement@hq.dhs.gov)

**DHS State and Local Law Enforcement Resource Catalog.** The DHS State and Local Law Enforcement Catalog highlights DHS resources available to state, local, tribal, and territorial law enforcement. The guide provides summaries of, and links to, training, publications, guidance, alerts, newsletters, programs, and services available to non-Federal law enforcement from across DHS. For more information, please visit:  
<http://dhs.gov/publication/dhs-state-and-local-law-enforcement-resource-catalog>

**Emergency Management Institute (EMI).** EMI provides two training courses for



institutions of higher education. The L0363 Multi-Hazard Emergency Planning for Higher Education is a 3-day exercise-based course which provides colleges and universities with knowledge and planning strategies to better protect lives, property, and operations more effectively and efficiently within the context of comprehensive emergency management. The G0367 Emergency Planning for Campus Executives is a 2-hour seminar that provides institutions of higher education executives with insights into multi-hazard emergency planning and their role in protecting lives, property and operations. For more information, please visit: <http://training.fema.gov/hiedu/aemrc/eplanning/>

**Law Enforcement Conferences, Gatherings, and Meetings.** The Office for State and Local Law Enforcement maintains a comprehensive list of law enforcement conferences, gatherings, and meetings across the country. These events provide campus law enforcement professionals training opportunities and the ability to share best practices with other members of the law enforcement community. For more information, please visit: <https://www.dhs.gov/sites/default/files/publications/Policy-OSLLE/2015-law-enforcement-conference-gatherings-and-meetings-12-30-2014.pdf>

**Guide for Developing High-Quality Emergency Operations Plans for Institutions of Higher Education.** This guide provides guidance to institutions of higher education on best practices for taking preventative and protective measures to stop an emergency from occurring or reduce the impact of an incident. The guide aligns and builds upon years of

emergency planning work by the Federal Government and is a joint product of DHS, the Department of Justice, the Department of Education, and the Department of Health and Human Services. Institutions of higher education can use the guide to create as well as revise and existing emergency operations plan. For more information, please visit: [http://www.fema.gov/media-library-data/20130726-1922-25045-3638/rem\\_s\\_ ihe\\_ guide.pdf](http://www.fema.gov/media-library-data/20130726-1922-25045-3638/rem_s_ ihe_ guide.pdf)

**National Tabletop Exercise for Institutions of Higher Education Series.** Sponsored by FEMA and the Office of Academic Engagement, this series of national tabletop exercises was designed in collaboration with academia and interagency planners to test and enhance campus resilience. The tabletop exercise promotes the all-hazard *Guide for Developing High-Quality Emergency Operations Plans for Institutions of Higher Education* and provides insight into common planning, preparedness, and resilience best practices and challenges of the academic community when faced with a campus disruptive event. For more information, please visit: <https://www.fema.gov/media-library/assets/documents/101306>

**Protective Security Advisor (PSA) Program.** DHS provides local critical infrastructure protection support and guidance for academic institutions through the PSA Program. PSAs serve as local DHS representatives for security officers at schools and institutions of higher education, and coordinate requests for training and grants. PSAs also conduct specialized security assessments of school facilities that assist schools in identifying potential security vulnerabilities and risks. For more information,

please visit: <http://www.dhs.gov/protective-security-advisors>

**Research on Threat Assessments and Various Types of Targeted Violence on Campuses.** The United States Secret Service (USSS) provides research and reports on violence at schools and institutions of higher education. Released in April 2010, “Campus Attacks: Targeted Violence Affecting Institutions of Higher Education” contains information useful for campus safety professionals charged with identifying, assessing, and managing violence risk at institutions of higher education. Additionally, the Safe School Initiative, a study of attacks on K-12 schools, was released in 2002. For more information, please visit: <https://www2.ed.gov/admins/lead/safety/campus-attacks.pdf>

**Science and Technology Directorate’s (S&T) First Responder Communities of Practice.** The S&T First Responder Communities of Practice is a professional networking, collaboration and communication platform created by DHS’s S&T to support improved collaboration and information sharing amongst the nation’s First Responders and other federal, state, local, tribal and territorial governments and private sector stakeholders supporting homeland security efforts. This vetted community of members focuses on emergency preparedness, response, recovery and other homeland security issues. For more information, please visit: <https://communities.firstresponder.gov/web/guest;jsessionid=D50CF79D14F5037D431C59C039D56172.w4>

**Security for Mass Transit Systems Located On or Near Campuses.** The Transportation

Security Administration (TSA) works closely with security officers of academic institutions to ensure mass transit systems located on or near campuses are safe and secure.

**Student Tools for Emergency Planning (STEP).** The STEP Program was designed by teachers and is sponsored by a state's Emergency Management Agency and FEMA. The program provides students and their families with concrete strategies to prepare for and deal with various emergencies. For more information,

please visit: <http://www.fema.gov/student-tools-emergency-planning-step>

**Tabletop and Emergency Planning Exercises.**

FEMA offers free, downloadable tabletop and emergency planning exercises and presentations for the private sector, including academic institutions. The exercises are designed to help organizations such as institutions of higher education test emergency situations, such as a natural or man-made disaster, evaluate the ability to coordinate, and test readiness to respond. For

more information, please visit: <http://www.fema.gov/emergency-planning-exercises>

**United States Computer Emergency Readiness Team (US-CERT).** US-CERT provides publications, alerts and tips, and resources about cybersecurity and cyber threats. For more information, please visit: <http://www.us-cert.gov/>

# Career and Internship Opportunities

DHS offers a variety of internships, job opportunities, and educational and training programs for students and recent graduates interested in careers in homeland security.

**Cybersecurity Internship Program.** The Cybersecurity Internship Program is designed to give current students an opportunity to work alongside cyber leaders at DHS. Internships focus on mission areas such as identification and analysis of malicious code, forensics analysis, incident handling, intrusion detection and prevention, and software assurance. For more information, please visit:

<http://www.dhs.gov/cybersecurity-internship-program>

**DHS Scholarship Program.** The DHS Scholarship Program provides individual scholarships to support undergraduate students pursuing degrees in homeland security-focused courses of study. For more information, please visit: <http://www.dhs.gov/dhs-scholarship-program>

**The Federal Law Enforcement Training Centers (FLETC) College Intern Program.** The FLETC College Intern Program provides a unique opportunity for college students majoring in criminal justice, criminology, or a related field of study from across the country to participate in a Federal Law Enforcement training environment. Each year, FLETC offers two 12-week intern sessions. For more information, please visit: <http://www.fletc.gov/student-information/college-intern-program/>

**Office of the General Counsel's (OGC) Law Student Summer Volunteer Program.** The

OGC Law Student Summer Volunteer Program provides law students the opportunity to work at DHS in unpaid, volunteer positions at DHS headquarters in Washington, D.C. Summer volunteers work on assignments that offer both valuable experience and substantial individual responsibility. For more information, please visit: <http://www.dhs.gov/general-counsel-law-student-summer-volunteer-program>

**Homeland Security Related Science, Technology, Engineering, and Mathematics (HS-STEM) Internship Program.** DHS sponsors a 10-week summer internship program for students majoring in HS-STEM disciplines. This program is open to undergraduate students in a broad spectrum of DHS mission-relevant research areas and graduate students interested in the specific field of Nuclear and Radiological Threat Detection. The DHS HS-STEM Summer Internship Program provides students with the opportunity to conduct research at federal research facilities located across the country. DHS has partnered with the Oak Ridge Institute for Science and Education to manage the application and review process, notification, and implementation of the program. For more information, please visit: <http://www.ornl.gov/dhseducation/>

**FEMA Internships.** FEMA internships are available for current students enrolled in a wide variety of educational institutions from high school to graduate level, with paid opportunities

to work in agencies and explore federal careers while still in school. For more information, please visit: <http://www.fema.gov/fema-internship-resources>

**Loaned Executive Program.** The Loaned Executive Program provides top executive-level talent from the private sector an opportunity to share their expertise with DHS as an unpaid employee. The loaned executive assignments are hosted by DHS components and last a maximum of one year. Executives serve as subject matter experts and senior advisors to DHS leadership. Faculty members from various post-secondary institutions have participated in the program. For more information, please visit: <http://www.dhs.gov/loaned-executive-program>

**U.S. Coast Guard (USCG) Minority Serving Institutions Internship Program (MSIIP).** The USCG MSIIP provides internships at the USCG targeting Minority Serving Institutions (MSIs).

**USCG Morale, Well-Being, and Recreation (MWR) Internships.** The USCG MWR Internships provide participants with the opportunity to gain experience in programming and operations. Participants will assist in planning and implementing adult sport leagues and recreation facility operations. For more information, please visit: <http://www.uscg.mil/mwr/intern/MWRInternships.asp>

**U.S. Customs and Border Protection (CBP) Explorer Program.** The CBP Explorer Program offers opportunities in character building, good citizenship, and fitness for young men and women ages 14 through 21. For more information, please visit: <http://www.dhs.gov/cbp-explorer-program>

**National Initiative for Cybersecurity Careers and Studies (NICCS).** The NICCS website serves as a national resource for the government, industry, academia, and the general public to learn about cybersecurity awareness, education, careers, and workforce development opportunities. It includes the Cybersecurity Training and Education Catalog, which serves as a central resource of cybersecurity training courses. For more information, please visit: <http://niccs.us-cert.gov/>

**Nuclear Forensics Undergraduate Scholarship Program (NFUSP).** Sponsored by the DHS Domestic Nuclear Detection Office, NFUSP provides scholarships to qualified undergraduate students pursuing degrees in disciplines relevant to technical nuclear forensics including analytical, geological, or radiochemistry; nuclear physics or engineering; computer science, physics, mathematics, or materials science. Students gain hands-on experience through a nine-to-12 week summer research opportunity at a Department of Energy national laboratory and close interaction with technical experts throughout the national nuclear forensics community. For more information, please visit: <http://www.dhs.gov/homeland-security-careers/nuclear-forensics-undergraduate-scholarship-program>

**Office of the Citizenship and Immigration Services Ombudsman Immigration Law Internship Program.** The internship will provide experience in Immigration Law, Administrative Law, and the practical workings of the Federal Government for second or third year law students. Internships focus on office mission of assisting customers of U.S. Citizenship and Immigration Services (USCIS) to resolve requests for assistance and make recommendations to improve the delivery of immigration benefits. For more information, please contact: [CISOMBinternships@hq.dhs.gov](mailto:CISOMBinternships@hq.dhs.gov)

**Office of Health Affairs (OHA) Volunteer Scholars Program.** The OHA Volunteer Scholars Program provides unique educational experiences and mentorship to scholars, residents, fellows, and post-doctoral candidates. The main objectives of the Volunteer Scholars Program are to encourage Scholars to enhance educational or professional expertise related to medical and health matters; apply academic learning to real-world projects and assignments; develop valuable workplace skills and acquire experience to pursue professional goals; connect and network with professionals in their specialized area of interest; explore the federal work environment; and learn about the DHS/OHA mission. Scholars must agree to serve a minimum of 4 full-time weeks or 160 hours. Opportunities may be full or part-time. For more information, please visit: <http://www.dhs.gov/homeland-security-careers/oha-volunteer-scholars-program>

**Office of Intelligence & Analysis Internship Program.** The Office of Intelligence and Analysis (I&A) Internship Program is for current

undergraduate and graduate students looking to begin an exciting career in homeland security and intelligence. I&A offers internships in the functional areas of Intelligence Analysis, Intelligence Operations, Management/Support, Information Technology, and Policy. The I&A Internship Program is designed to provide the experience and skills needed to produce capable and well-rounded Homeland Security intelligence professionals. All I&A internships are located in Washington, D.C. In order to attract a diverse workforce nationwide, the I&A Internship Program offers full-time summer programs, as well as year-long programs for local students in the Washington, D.C. metropolitan Area. Interns are expected to work full-time during the summer and part-time during the academic year. For more information, please visit: [www.dhs.gov/ia-internship](http://www.dhs.gov/ia-internship)

**Office of Public Affairs (OPA) Summer Internship Program.** The DHS OPA Internship Program offers unpaid summer internships at DHS Headquarters in Washington, D.C. to current post-secondary students. Interns work on various projects related to the mission of OPA in the following areas: internal communications, incident communications, press office, speechwriting, strategic communications, new media and web communications, and still photography. For more information, please visit: <http://www.dhs.gov/homeland-security-careers/public-affairs>

**Pathways Programs.** The Pathways Programs offer clear paths to Federal internships for students from high school through post-graduate school and to careers for recent graduates. The

programs provide meaningful training and career development opportunities for individuals who are at the beginning of their federal service. For more information, please visit:

<http://www.dhs.gov/student-opportunities-0>

**CyberCorps®: Scholarship for Service (SFS).**

DHS partners with the National Science Foundation on the SFS program to provide scholarship funding to outstanding undergraduate, graduate, and federal agency. The SFS program supports a strong and dependable pipeline of skilled employees that fill critical information assurance (IA) positions. For more information, please visit:

<http://www.sfs.opm.gov/>

**Seaborg Institute Nuclear Science Summer Internship Program.**

The Seaborg Institute Nuclear Science Summer Internship Program is a specialized internship program for graduate and undergraduate students from research universities across the nation to work in critical skills areas related to nuclear forensics. Students are given an opportunity to join scientists in independent research projects at a national laboratory and are teamed with mentors who can help hone their skills and guide research projects for advanced degrees. For more information, please visit: <http://www.dhs.gov/seaborg-institute-nuclear-science-summer-internship-program>

**Secretary's Honors Program (SHP) Cyber Student Volunteer Initiative.** The SHP Cyber Student Volunteer Initiative is an unpaid student volunteer program for college students pursuing a program of study in a cybersecurity-related

field. Student volunteers gain invaluable hands-on experience and exposure to the work done by DHS cybersecurity professionals, and perform a broad range of duties in support of DHS's cybersecurity mission. For more information, please visit: <http://www.dhs.gov/homeland-security-careers/secretarys-honors-program>

**Summer Research Team Program.** Early career faculty and up to two students from Minority Serving Institutions (MSI) are selected as teams to participate in this program. The team conducts research at one of the DHS S&T Research Centers of Excellence and /or their partners for 10 weeks during the summer. The program is designed to provide research opportunities to increase and enhance the scientific leadership at MSIs in research areas that support DHS's mission. For more information, please visit:

<http://www.dhs.gov/homeland-security-careers/summer-research-team-program>

**USCG College Student Pre-Commissioning Initiative (CSPI).** The USCG CSPI scholarship program provides full payment of school tuition, fees, textbooks, salary, medical insurance, and other benefits during a student's junior and senior year of college for students enrolled in an accredited college or university designated as a Historically Black College or University, a Hispanic Serving Institution, or a Tribal College or University. The scholarship also provides students with leadership, management, law enforcement, navigation, and marine science skills and training, with the goal of training future officers for success and preparing them for Officer Candidate School. For more

information, please visit:

<http://www.gcoastguard.com/find-your-career/officer-opportunities/programs/college-student-pre-commissioning-initiative-scholarship-program>

**U.S. Immigration and Customs Enforcement (ICE) Internship Program.** The ICE Internship Program targets students enrolled in a wide variety of educational institutions from high school to graduate level. The program includes short or long-term internship opportunities, which allow for the exploration of a Federal career while being paid for the work performed. Within 120 days of successful completion, some participants may be non-competitively converted to a permanent position or a term position lasting one to four years. For more information, please visit: <http://www.ice.gov/careers/internships/>

# Cybersecurity

Cyber intrusions and attacks have increased dramatically over the last decade, and the landscape of cyber threats is constantly evolving. To ensure a stable, safe, and resilient cyberspace, DHS provides a number of cybersecurity tools and programs.

**Critical Infrastructure Cyber Community (C<sup>3</sup>) Voluntary Program.** The C<sup>3</sup> (pronounced “C Cubed”) Voluntary Program is an innovative public-private partnership to help connect organizations, as well as Federal, state, local, tribal, and territorial partners, to DHS and other Federal Government programs and resources that will assist their efforts in managing their cyber risks. For more information, please visit: <https://www.us-cert.gov/ccubedvp/getting-started-academia>

**Cyber Resilience Review (CRR).** The CRR is a no-cost, voluntary, non-technical assessment to evaluate an organization’s operational resilience and cybersecurity practices. The CRR may be conducted as a self-assessment or as an on-site assessment facilitated by DHS cybersecurity professionals. The review assesses enterprise programs and practices across a range of 10 domains including risk management, incident management, service continuity, and others. For more information, please visit: <http://www.us-cert.gov/ccubedvp/self-service-crr>

**Cyber Security Advisors (CSAs).** CSAs are regionally located DHS personnel who direct coordination, outreach, and regional support to protect cyber components essential to the sustainability, preparedness, and protection of the nation’s critical infrastructure and state, local, tribal and territorial governments. CSAs offer immediate and sustained assistance to

prepare and protect state, local, tribal and territorial governments and private entities. For more information about CSAs, email [cyberadvisor@hq.dhs.gov](mailto:cyberadvisor@hq.dhs.gov). For more information, please visit: <http://www.us-cert.gov/ccubedvp/getting-started-academia>

**Cybersecurity Evaluation Tool (CSET).** The CSET is a self-assessment tool that enables users to assess their network and industrial control system security practices against industry and government standards and provides prioritized recommendations. Organizations can also request On-Site Cybersecurity Consulting, a facilitated site visit that could include basic security assessments, network architectural review and verification, network scanning using custom tools to identify malicious activity and indicators of compromise, and penetration testing. For more information, please visit: <http://ics-cert.us-cert.gov/assessments>

**National Cybersecurity & Communications Integration Center (NCCIC).** The NCCIC is a 24x7 cyber situational awareness and incident response and management center that analyzes cybersecurity and communications information, shares timely and actionable information, and coordinates response, mitigation and recovery efforts. For more information, please visit: <https://www.dhs.gov/about-national-cybersecurity-communications-integration-center>

**National Initiative for Cybersecurity Education (NICE).** NICE has evolved from the Comprehensive National Cybersecurity Initiative, and extends its scope beyond the Federal workplace to include civilians and students in kindergarten through post-graduate school. The goal of NICE is to establish an operational, sustainable and continually improving cybersecurity education program for the nation to use sound cyber practices that will enhance the nation’s security. For more information, please visit: <http://csrc.nist.gov/nice/>

**Protective Security Advisor (PSA) Program.** DHS provides local critical infrastructure protection support and guidance for academic institutions through the PSA Program. PSAs serve as local DHS representatives for security officers at schools and institutions of higher education, and coordinate requests for training and grants. PSAs also conduct specialized security assessments of school facilities that assist schools in identifying potential security vulnerabilities and risks. For more information, please visit: <http://www.dhs.gov/protective-security-advisors>

**The DHS Science & Technology Directorate (S&T) Cyber Security Division (CSD).** S&T CSD conducts and supports research, development, testing, and evaluation to secure

the Nation's current critical information infrastructure and to plan for a more secure infrastructure in the future. Their work focuses on applied R&D leading to deployable security solutions addressing user identity and data privacy technologies, end system security, research infrastructure, law enforcement forensic capabilities, secure protocols, software assurance, and cybersecurity education. End-users for these technologies include law enforcement, critical infrastructure providers, private industry, and government. Internal DHS components and private-sector organizations.

For more information, please visit:

<http://www.dhs.gov/science-and-technology/cyber-security-division>

**Software Assurance Market Place (SWAMP).**

SWAMP is an online, open-source, collaborative research environment that allows software developers and researchers to test their software for security weaknesses, improve tools by testing against a wide range of software packages, and interact and exchange best practices to improve software assurance tools and techniques. For more information, please visit: <https://www.mir-swamp.org/>

**Stop.Think.Connect.** Stop.Think.Connect. is a national public education campaign that raises cybersecurity awareness by increasing the American public's understanding of cyber threats. The program offers resources and tips for students, young professionals, and educators. For more information, please visit:

<http://www.dhs.gov/stothinkconnect>

**Stop.Think.Connect. Academic Alliance.** The Stop.Think.Connect. Academic Alliance is a nationwide network of nonprofit institutions of higher education committed to promoting safer online practices. For more information, please visit: <http://www.dhs.gov/stothinkconnect-academic-alliance>

# Grants and Funding Opportunities

DHS provides grant and funding opportunities to states, urban areas, tribal and territorial governments, non-profit agencies, and the private sector to strengthen our nation's ability to prevent, protect against, mitigate, respond to, and recover from terrorist attacks, major disasters and other emergencies in support of the National Preparedness Goal and the National Preparedness System.

**Centers of Excellence (COEs).** The DHS Science & Technology Directorate's (S&T) COE network is an extended consortium of hundreds of universities generating ideas and research for new technologies and critical knowledge, while also relying on each other's capabilities to serve DHS's many mission needs. All COEs work closely with academia, industry, Department components and first-responders to develop customer-driven research solutions to 'on the ground' challenges as well as provide essential training to the next generation of homeland security experts. For more information, please visit: <http://www.dhs.gov/st-centers-excellence>

**U.S. Citizenship and Immigration Services (USCIS) Citizenship and Integration Grant Program.** The USCIS Citizenship and Integration Grant Program promotes immigrant civic integration and prepares permanent residents for citizenship. Recipients are public or private nonprofit organizations with recent experience providing citizenship instruction and

naturalization application services to permanent residents. They include public school systems, public libraries, community and faith-based groups, adult education organizations, and literacy organizations. For more information, please visit: <http://www.uscis.gov/about-us/citizenship-and-integration-grant-program>

**Pre-Disaster Mitigation Program (PDM).** The PDM Program provides funds to states, territories, tribal governments, communities, and institutions of higher education for hazard mitigation planning and the implementation of mitigation projects prior to a disaster event. Funding these plans and projects reduces overall risks to the population and structures, while also reducing reliance on funding from actual disaster declarations. For more information, please visit: <http://www.fema.gov/pre-disaster-mitigation-grant-program>

**Federal Emergency Management Agency (FEMA) Preparedness Grants.** FEMA

Preparedness Grants provide state and local governments with funding to enhance the capacity of state and local emergency responders. For more information, please visit: <http://www.fema.gov/preparedness-non-disaster-grants>

**Scientific Leadership Awards (SLAs).** SLAs fund the development of HS-STEM teaching initiatives, curricula, and scholarships at Minority Serving Institutions (MSIs). They serve to support the technical capacity development at MSIs; provide advanced professional and research development opportunities for fellows, scholars and faculty in targeted areas; and increase the diversity of new and emerging science and technology experts. For more information, please visit: <http://www.higheredgrants.info/GrantDetails.aspx?gid=18173>; <http://www.dhs.gov/science-and-technology/minority-serving-institutions-program>



# International Students

International students bring invaluable contributions to our nation, and DHS is committed to advancing the opportunities for international students to study in America while maintaining the integrity of the immigration process.

**Alien Flight Student Program (AFSP).** AFSP screens prospective non-citizen flight student candidates before they are allowed to undergo flight training in the U.S. AFSP was created in response to the September 11, 2001 attacks. The mission of the program is to ensure that international students seeking training at flight schools regulated by the Federal Aviation Administration do not pose a threat to aviation or national security. For more information, please visit:

[http://www.flightschoolcandidates.gov/afsp2/?acct\\_type=c&section=WN](http://www.flightschoolcandidates.gov/afsp2/?acct_type=c&section=WN)

**Arrival/Departure Enforcement.** U.S. Customs and Border Protection (CBP) directly interacts with international students as they enter and exit the U.S. at designated ports of entry. CBP officers are responsible for inspecting the necessary paper work international students must have in order to legally study in the U.S. For more information, please visit

<https://i94.cbp.dhs.gov/I94/request.html>

**E-Verify.** Employers use E-Verify to validate an international student's eligibility to work in the U.S. For more information, please visit:

<http://www.uscis.gov/e-verify>

**Field Representatives Unit (FRU).** Field representatives are part of the U.S. Immigration and Customs Enforcement's Student and Exchange Visitor Program (SEVP) and serve as liaisons between SEVP and certified schools,

and those schools seeking initial SEVP certification. The SEVP FRU enhances national security by fostering regulatory adherence and Student and Exchange Visitor Information System (SEVIS) data integrity. For more information, please visit:

<http://www.ice.gov/sevis/schools#tab4>

**Entrepreneur Pathways.** Entrepreneur Pathways is designed to enhance communications with the entrepreneurial community and provide foreign entrepreneurs, including those who are currently in the United States as students, with the tools and information to determine which visa category is most appropriate for their particular circumstance. For more information, please visit:

<http://www.uscis.gov/eir>

**Entrepreneurs in Residence (EIR).**

Launched in October 2011, and concluded in 2013, EIR was an initiative under the DHS Loaned Executive program that brought USCIS and private-sector startup expertise together to help provide immigrant entrepreneurs, including those who are currently in the United States as students, with pathways that are clear, consistent, and aligned with modern business environments. The initiative included outreach to foreign entrepreneurs and disseminated information, through the development of the Entrepreneur Pathways webpages, about existing immigration pathways that may be available for foreign entrepreneurs to stay in the United States to start

a business. The Entrepreneurs in Residence initiative was followed by the Executives in Residence initiative, which was the second phase of USCIS's implementation of the Loaned Executive Program, and focused on the performing arts and entertainment, and nursing fields. For more information, please visit:

<http://www.uscis.gov/about-us/entrepreneurs-residence-initiative/entrepreneurs-residence-eir>

**Project CAMPUS Sentinel.** Project CAMPUS Sentinel is an outreach initiative that focuses on improving communication channels between school officials and local U.S. Immigration and Customs Enforcement (ICE) agents. Through this outreach, ICE works to build partnerships between ICE field offices and schools to detect and combat school fraud and visa exploitation. For more information, please visit:

<https://www.ice.gov/counterterrorism-and-criminal-exploitation-unit>

**USCIS Service Center Adjudications.** USCIS Service Center adjudicators review international student applications for immigration benefits such as employment, practical training, and change of nonimmigrant status. For more information, please visit:

<http://www.uscis.gov/about-us/contact-us/national-customer-service-center>

**Student and Exchange Visitor Program (SEVP).** SEVP ensures that only legitimate international students and exchange visitors gain

entry into the United States. The program also certifies schools and programs to enroll international students. SEVP is a part of ICE's Homeland Security Investigations, which is the largest investigative arm of DHS. SEVP works closely with its government partners to monitor the compliance of international students and their dependents with federal rules and regulations, as well as the schools certified to enroll them through the Student and Exchange Visitor Information System. For more information, visit: <http://www.ice.gov/sevp>

**Student and Exchange Visitor Program (SEVP) Response Center (SRC).** The SEVP SRC serves as the single point of contact for international students and school officials for questions related to policy, process and campus resilience. SRC staff receives questions via telephone and e-mail, serving as the voice of

SEVP for the program's stakeholders on a day-to-day basis. For more information, please visit: <http://www.ice.gov/sevis/contact>

**Study in the States.** Study in the States serves as an information hub for the international student community by bringing together the various federal agencies that play a role in implementing our student visa and exchange visitor programs. The site features blog posts, news articles, interactive guides and videos, as well as opportunities to provide feedback on draft policy guidance for school officials. For more information, please visit: <http://StudyintheStates.dhs.gov/>

**Systematic Alien Verification for Entitlements (SAVE) Program.** SAVE is an information service for authorized federal, state and local benefit-issuing agencies to verify their

applicants' immigration status. Registered agencies use SAVE to determine applicants' eligibility for benefits they administer. By providing immigration status information, SAVE assists these agencies in maintaining the integrity of their public benefit programs. SAVE does not determine applicants' eligibility for specific benefits; the benefit-issuing agencies make those determinations. For more information, please visit: <http://www.uscis.gov/save>

**Web-based Training Course for Designated School Officials.** SEVP web-based training course titled "SEVIS Training for School Officials" is for school officials who use the Student and Exchange Visitor Information System (SEVIS). For more information, please visit: <http://www.ice.gov/sevis/schools#tab3>

# Public Awareness Campaigns

DHS works to engage and educate the public as well as private sector partners through events and initiatives with the goal of raising awareness about homeland security and increasing the resiliency of the nation in the event of a terrorist attack, major disaster, or other emergency.

**Campus Outreach.** The Office for Civil Rights and Civil Liberties (CRCL) holds roundtable discussions and other events at campuses and with young leaders as part of its community engagement efforts. For more information, please visit: <http://www.dhs.gov/topic/civil-rights-and-civil-liberties>

**DHS Blue Campaign.** The DHS Blue Campaign is a DHS-wide initiative to coordinate and enhance DHS's anti-human trafficking efforts. The campaign offers comprehensive resources for recognizing the indicators of human trafficking and knowing how to report suspected instances of human trafficking to law enforcement, as well as resources for potential victims. For more information, please visit: <http://www.dhs.gov/blue-campaign>

**DHS for a Day.** The DHS for a Day program is designed to increase public-private collaboration across the country through increased education and awareness activities. The program has included events specifically for members of the academic community, including college and university presidents and campus law enforcement. For more information, please visit: <http://www.dhs.gov/about-dhs-day>

**“If You See Something, Say Something™” Campaign.** The “If You See Something, Say Something™” campaign is a program to raise

public awareness of indicators of terrorism and terrorism-related crime, and to emphasize the importance of reporting suspicious activity to the proper state and local law enforcement authorities. DHS offers a variety of digital and print marketing materials for academic institutions as part of the campaign. For more information, please visit: <http://www.dhs.gov/if-you-see-something-say-something-campaign>

**Ready Campaign.** Launched in February 2003 and run by the Federal Emergency Management Agency (FEMA), Ready is a national public service advertising campaign designed to educate and empower Americans to prepare for and respond to emergencies including natural disasters and potential terrorist attacks. The campaign includes training and planning resources for the higher education community, through its Campus Ready program. For more information, please visit: <http://www.ready.gov/campus>

**System and Validation for Emergency Responders (SAVER) Program.** DHS established SAVER to assist emergency responders making procurement decisions. Located within the DHS Science and Technology Directorate (S&T), the SAVER Program conducts objective assessments and validations on commercial equipment and

systems, and provides those results along with other relevant equipment information to the emergency responder community. For more information please visit: <http://www.firstresponder.gov/saver>.

**Stop.Think.Connect.** Stop.Think.Connect. is a national public education campaign that raises cybersecurity awareness by increasing the American public's understanding of cyber threats. The program offers resources and tips for students, young professionals, and educators. For more information, please visit: <http://www.dhs.gov/stopthinkconnect>

**Youth Preparedness Council.** FEMA provides multiple resources to educate children about emergency preparedness, and encourages them to bring practical information home to their parents. As part of this effort, FEMA announced the formation of its first Youth Preparedness Council in July 2012. The Council supports FEMA's emphasis on and dedication to involving the whole community in preparedness related activities. A select group of youth leaders serve on a national council and voice their opinions, experiences, ideas, and solutions to help strengthen the nation's resiliency for all types of disasters. For more information, please visit: <http://www.ready.gov/youth-preparedness>

# Research

DHS taps the expertise of the nation's institutions of higher education to address pressing homeland security needs and incorporate scientific findings into DHS's operations.

**Centers of Academic Excellence in Information Assurance Education (CAE/IAE) Programs.** The National Security Agency and DHS jointly sponsor CAE/IAE Programs, which promote higher education and research in Information Assurance and produce a growing number of professionals with IA expertise in various disciplines. In 2008, the CAE in IA Research (CAE-R) program was added to encourage universities and students to pursue higher-level doctoral research in Cybersecurity. For more information, please visit: [https://www.nsa.gov/ia/academic\\_outreach/nat\\_cae/index.shtml](https://www.nsa.gov/ia/academic_outreach/nat_cae/index.shtml)

**Centers of Excellence (COEs).** The COE network is an extended consortium of hundreds of universities generating ground-breaking ideas for new technologies and critical knowledge, while also relying on each other's capabilities to serve DHS's many mission needs. For more information, please visit: <http://www.dhs.gov/st-centers-excellence>

**Summer Research Team Program for Minority Serving Institutions (MSIs).** The DHS Summer Research Team Program for MSIs provides research opportunities to increase and enhance scientific leadership at MSIs in research areas that support the mission and goals of DHS.

In addition, the program is designed to provide faculty and students with limited DHS research experience an opportunity to understand the mission and research needs of DHS and make advances in research areas of importance to DHS, while strengthening the talent pool of scientists and engineers. For more information, please visit: <http://www.orau.gov/dhseducation/faculty/index.html>

**United States Computer Emergency Readiness Team (US-CERT).** US-CERT provides publications, alerts and tips, and resources about cybersecurity and cyber threats. For more information, please visit: <http://www.us-cert.gov/>