

# HOMELAND SECURITY (HLS)

## Preparing innovative, dynamic problem-solvers for a safer tomorrow

Fully available on both campuses - Durham and Manchester, our Homeland Security program gives you the tools to defend, protect, act and react to threats small and large, from bioterrorism to data breaches to natural disasters. Built upon the expertise and advice of homeland security professionals across the nation, this program empowers you to think, plan and respond to today's most relevant security issues.

As a student in our program, you will be learning from faculty who are experts in the field. You'll work independently and collaboratively to find solutions to complex problems in areas like:

- information security
- corporate and physical security
- intelligence systems and structures
- environmental security
- strategic management and decision making and
- emerging security models

### YOUR COMPETITIVE ADVANTAGE

In four years, students graduate with a Homeland Security degree *as well as* a second major or two minors. This flexible curriculum allows you to specialize your education around your interests, and gives you a competitive advantage when applying for jobs or graduate schools. Interested in foreign affairs? Add a major in Politics & Society (<http://manchester.unh.edu/academics/degree-programs/politics-society>), or minors in Political Science (<http://manchester.unh.edu/academics/degree-programs/political-science-minor>) and Politics & the Economy (<http://manchester.unh.edu/academics/degree-programs/politics-economy-minor>). If you enjoy computer science, get an additional B.S. in Analytics and Data Science (<http://manchester.unh.edu/academics/degree-programs/analytics>) or Computer Information Systems (<http://manchester.unh.edu/academics/degree-programs/computer-information-systems>). Business-savvy? Double-major in Business (<http://manchester.unh.edu/academics/degree-programs/business>), or minor in Entrepreneurship (<http://manchester.unh.edu/academics/degree-programs/entrepreneurship-minor>) and Communication Arts (<http://manchester.unh.edu/academics/degree-programs/communication-arts-minor>).

You will apply your classroom learning through the senior capstone, where you'll work alongside industry professionals in agencies like FEMA, N.H. Homeland Security & Emergency Management, Fidelity Investments or the Seabrook Station Nuclear Power Plant.

Our students graduate with the skills needed to lead strategic planning, build emergency management and continuity plans, and to perform organization-wide security and risk assessments. In this highly employable industry, you'll be prepared for success in graduate school or careers in fields as diverse as critical infrastructure protection, environmental and human security, intelligence, cybersecurity and more.

<http://manchester.unh.edu/academics/degree-programs/homeland-security>

## Programs

- Homeland Security Major (B.S.) (<http://catalog.unh.edu/archives/2017-2018/undergraduate/manchester/programs-study/homeland-security/homeland-security-major-bs>)
- Homeland Security Minor (<http://catalog.unh.edu/archives/2017-2018/undergraduate/manchester/programs-study/homeland-security/homeland-security-minor>)

## Courses

### Homeland Security (HLS)

#### HLS 410 - Introduction to Homeland Security

##### Credits: 4

The primary focus of this course is to describe the entirety of the homeland security enterprise in the US and to survey many of the major expressions of it. This includes a history of homeland security and emergency management, the legislative and regulatory authority for homeland security, the current structure and organization to the US Department of Homeland Security, etc. In addition, specific units on emergency management, terrorism and intelligence, homeland security law and policy, transportation security issues, critical infrastructure and risk analysis and environmental security are each presented.

#### HLS 415 - Fundamentals of Corporate Security

##### Credits: 4

HLS 415 will introduce the student to the fundamentals of corporate security including the nature, scope, history, and essential elements of organization (or enterprise) security in the workplace, with emphasis on the private sector. Specific areas include the operational aspects of security strategies for identifying and controlling security exposures, risk management strategies, applicable legal issues, personal protection, property protection, role of intelligence, and concepts of disaster planning and management.

#### HLS 455 - Introduction to Cybersecurity

##### Credits: 4

The primary focus of HLS 455 is to provide a survey of the broad field of cybersecurity and information security/assurance. Topics will include a definition of information security, the need for information security and cybersecurity in both the public and private sectors, ethical and legal issues revolving around cybersecurity, risk management and planning, and information/cyber security technology. The role of the U.S. Department of Homeland Security (DHS) in securing the cyberspace and the nation's information-related infrastructures will also be explored.

#### HLS 480 - Professional Skills in Homeland Security

##### Credits: 4

HLS 480 prepares students to effectively enter the workforce via an internship or co-op experience. Students learn to prepare a resume and cover letter, practice interviewing, learn about how their personality matches job descriptions, search for internships, and develop an e-Portfolio that describes themselves, their professional aspirations, skills, etc. Professional ethics, decision making, organizational power, basic leadership and management principles and professionalism are discussed and illustrated.

**HLS 510 - Fundamentals of Emergency Management**

**Credits: 4**

This course includes thorough coverage of the historical background of emergency management (EM) in the United States as well as many of the most significant laws and policies that have defined and shaped the field, including HLSPD 5, HLSPD 8, the National Flood Insurance Act, and the Stafford Act. Topics include detailed coverage of FEMA's all hazards approach, all phases of the EM cycle, including mitigation, preparation, response, and recovery; integrated emergency management systems, the incident command system, the National Incident Management System, emergency support functions, and risk communications. The course culminates with each student writing and formally presenting an integrated emergency management plan. Prereq: HLS 410 and HLS 415 or permission.

**HLS 515 - Critical Infrastructure Security and Resilience**

**Credits: 4**

HLS 515 includes an introduction to critical infrastructure security, resilience, and risk analysis as it is conceptualized, regulated and used in the homeland security enterprise. Topics include the history and evolution of critical infrastructure protection including the composition, characteristics and risks to critical infrastructures. Public-private partnerships and sector-specific plans are examined. Resilience in a global context and risk analysis as a means by which resources and assets are allocated to critical infrastructure(s) is presented. Prereq: HLS 410, HLS 415 and HLS 455 or consent of coordinator.

**HLS 520 - Homeland Security Law and Policy**

**Credits: 4**

This course is an overview of key legal, policy, and ethical issues in the context of Homeland Security policy and practice. Students examine legal concepts regarding constitutional rights of individuals, legal process, access to courts, the law of war, and national security principles as they relate to homeland security legislation and policy initiatives. Legal principles of due process, habeas corpus, search and seizure, compulsory process, and international agreements are explored in greater depth. The law of war will be examined in the context of preemptive war and the current National Security Strategy, the status of combatants and detention, Elements of national security law, intelligence collection and sharing, the Patriot Act, and military-civilian relations, etc. Prereq: HLS 410 or consent of the instructor.

**HLS 580 - Environmental and Human Security**

**Credits: 4**

Students will learn how environmental issues may give rise to socio-political instability around the world which can become threats to US national/homeland security. This course will explore how U.S. domestic and foreign policy, and ultimately, U.S. national security, can be impacted by emergent threats to nations from environmental health issues, climate change, deforestation, infrastructure vulnerabilities, and natural resource shortages caused by rapid industrialization, population growth, and urbanization in less developed countries. In a seminar format, students and faculty will cover a variety of readings and discuss their conclusions and students will have the opportunity to lead class discussions on assigned readings.

**Attributes:** Environment, TechSociety(Disc); Technology GP 3T

**HLS 595 - Independent Study in Homeland Security**

**Credits: 1-4**

HLS 595 is an independent study in homeland security. Its main function will be to allow students to complete a 500 level homeland security course required in the major, but who are not able to take the required course when it is offered. HLS 595 can substitute for the required core course. In addition, students can also take HLS 595 as a sophomore level independent study as a variable credit course for students wanting to more deeply explore an area of interest. Prereq: Senior standing and permission. May be repeated to a maximum of 8 credits. Cr/F.

**HLS 610 - Exercise Design and Evaluation in Homeland Security**

**Credits: 4**

HLS 610 studies the role and structure of exercise design as it is applied in homeland security and emergency management. Students are introduced to the nature and characteristics of discussion and operations-based exercises and the Homeland Security Exercise Evaluation Program. The legislative and policy background of national preparedness is presented. Students complete a project and presentation that demonstrates how exercises are designed, scripted, implemented (conducted) and evaluated. Prereq: HLS 510 and HLS 515 or consent of coordinator.

**HLS 650 - Intelligence Systems and Structures in Homeland Security**

**Credits: 4**

Intelligence is a systematic process of collection, analysis, and dissemination of information in support of national, state, and/or local policy or strategy. HLS 650 will explore the varied expressions of the intelligence community as it exists in the US. In addition, students will explore the history and development of the IC in the US, major legislative acts that led to the development of intelligence as a major function of US national security strategy. Prereq: HLS 410 or permission of instructor.

**HLS 695 - Independent Study in Homeland Security**

**Credits: 1-4**

HLS 695 is an independent study in homeland security. Its main function will be to allow students to complete a 600 level homeland security course required in the major, but who are not able to take the required course when it is offered. HLS 695 can substitute for the required core course. In addition, students can also take HLS 695 as a junior level independent study as a variable credit course for students wanting to more deeply explore an area of interest. Prereq: Senior standing and permission. May be repeated to a maximum of 8 credits. Cr/F.

**HLS 750 - Emergent Topics in Homeland Security/Homeland Defense**

**Credits: 4**

HLS 750 will investigate the nature of strategic planning as it relates to homeland security and national security in the United States. In addition, students will explore how strategic planning relates to decision making in more stable environments as well as decision making under uncertainty. Relevant legislation and past decisions (such as the Bay of Pigs and the Cuban Missile Crisis) will be explored. In addition, the basic concepts of the techniques for strategic communication will be explored, developed, and related to decision making along with the characteristics of making high quality strategic decisions. Prereq: HLS 510 and HLS 515 or consent of instructor.

**HLS 760 - Strategic Planning and Decision Making****Credits:** 4

HLS 760 investigates the nature of strategic planning as it relates to homeland security and national security in the U.S. Students explore how strategic planning relates to decision making in more stable as well as uncertain environments. Relevant legislation and past decisions (such as the Bay of Pigs and the Cuban Missile Crisis) are explored including concepts and techniques for making high quality decisions. Strategic communication principles and techniques are presented. Prereq: HLS 510 and HLS 515 or consent of coordinator. Writing intensive.

**Attributes:** Writing Intensive Course**HLS 770 - Internship in Homeland Security****Credits:** 4

HLS 770 represents the professional work experience required in the homeland security major. Students work in a professional setting for a minimum of 180 hours under the supervision of a site supervisor. All internships require students to identify and complete work on a specific project (s) approved by the HLS coordinator. Internships may be taken at any time after students have taken 30 credits of university coursework, and after completing HLS 410, HLS 455, and HLS 480. Note that students who are academically or otherwise unable to enter into internship must take HLS 799. Prereq: HLS 410, HLS 455 and HLS 480.

**HLS 790 - Capstone in Homeland Security****Credits:** 4

HLS 790 allows students to work collaboratively with an organization to identify and solve a homeland security or emergency management challenge. Each group researches the origins of their client's challenge and identifies applies best practices as countermeasures. Students culminate their projects with presentations to their classmates and to their clients. The expectation of this class is to develop a professional example of the student's thinking and writing to solve real security problems. Prereq: senior standing, HLS 610 and HLS 760 or consent of coordinator. Writing intensive.

**Attributes:** Writing Intensive Course**HLS 795 - Independent Study in Homeland Security****Credits:** 1-4

HLS 795 is an independent study in homeland security. Its main function will be to allow students to complete a 700 level homeland security course required in the major, but who are not able to take the required course when it is offered. HLS 795 can substitute for the required core course. In addition, students can also take HLS 795 as a senior level independent study as a variable credit course for students wanting to more deeply explore an area of interest. Prereq: Senior standing and permission. May be repeated to a maximum of 8 credits. Cr/F.

**HLS 799 - Thesis in Homeland Security****Credits:** 4

HLS 799 is an alternative professional work experience required by the homeland security major and can substitute for HLS 770. Students function fairly independently but still in regular contact with the instructor as they devise a thesis and investigate current issues or challenges to US national security. The thesis is a research paper that uses either primary or secondary data collection methods with the expectation that the project be equivalent to the 300 hours interns are obligated to work. HLS 799 is graded as Cr/F just as HLS 770.

**Faculty**

Homeland Security Faculty (<http://manchester.unh.edu/academics/degree-programs/homeland-security/#unhstyleCollapsePane235>)