33

HOMELAND SECURITY

Degree Requirements

Master of Professional Studies (M.P.S)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (https://gradschool.psu.edu/graduate-education-policies/).

The Master of Professional Studies in Homeland Security program requires a minimum of 33 credits, 24 of which must be earned at Penn State. Up to 10 graduate credits may be transferred in from a regionally accredited institution (subject to restrictions outlined in GCAC-309 Transfer Credit (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/transfer-credit/)); if the full 10 credits are transferred, the minimum total number of credits in the degree program will be 34. At least 18 credits must be courses at the 500 or 800 level, of which 6 credits must be in 500-level courses.

Students are expected to maintain a B (3.0) or better average in academic courses to be retained in the program. Graduate Council policy requires that students must have a GPA of 3.0 or above in order to graduate from the program.

Each student will take a 9-credit *core curriculum* consisting of HLS 801/PADM 801, HLS 803/PHIL 803, and HLS 805/PLSC 805, as well as a non-credit Orientation Course. Students will also take 12 credits of prescribed courses for the specialized option. There are 9 elective credits that are chosen from an approved list in consultation with the student's academic adviser. The list of electives is maintained by the Base Program and Option Directors and is provided to the students in the respective specialization area. Finally, each degree candidate must complete a capstone project on a topic related to homeland security and defense, in association with HLS 594/AGBIO 594/GEOG 594/INSC 594/IST 594/PHP 594/PLSC 594.

Time Limitation

All degree requirements for the Master of Professional Studies in Homeland Security must be met within five years of admission to degree status.

Prescribed Courses

Homeland security refers to the unifying core for the vast global network of organizations and institutions that are involved in the efforts to secure society. Regardless of field of specialization, or chosen discipline for graduate study, all professionals in the program will participate in a Unifying Core Curriculum with the following educational goals and objectives:

- Understand major policies and legislation that shapes homeland security in a globalized society.
- Become familiar with organizations that play a key role in the implementation of homeland security policies and administration, and recognize the interactions among them.
- Understand the way in which a person or group responds to a set of conditions so as to prevent and respond to incidents and catastrophic events when needed.
- Recognize the impact that catastrophic events, both natural and manmade, have on society and the domestic and global economy.
- Identify and assess potential threats, vulnerabilities, and consequences.

- Apply leadership skills and principles that are necessary for producing and acting on information of value within a collaborative setting.
- Communicate effectively in the context of particular institutional cultures.
- Use, conduct, and interpret research and data effectively in decisionmaking.
- Practice ethics and integrity as a foundation for analytical debate and conclusion.
- Develop an appreciation of the cultural, social, psychological, political, and legal aspects of terrorism and counterterrorism.

The Core Curriculum consists of the following four courses:

| Code | Title | Credits | | | | |
|---|---|---------|--|--|--|--|
| Required Courses | Required Courses | | | | | |
| HLS Orientation Course (non-credit) - Overview of program expectations, parts, academic specialization areas, and mechanics; as well as an essential overview of the field of homeland security and its community of practice. The Options may add content to aspects of homeland security that are specific to their academic specialization area. | | | | | | |
| HLS/PADM 801 | Homeland Security Administration: Policies and Programs | d 3 | | | | |
| HLS/PHIL 803 | Homeland Security: Social and Ethical Issues | 3 | | | | |
| HLS/PLSC 805 | Violence, Threats, Terror, and Insurgency | 3 | | | | |
| Total Credits | | 9 | | | | |

Listed below are the courses required/suggested for the Base Program and for the Options:

Homeland Security (Rase Program)

Total Credits

| Homeland Security (Base Program) | | | | |
|---|---|---------|--|--|
| Code | Title | Credits | | |
| Required Courses | 3 | | | |
| HLS Orientation | | 0 | | |
| HLS/PADM 801 | Homeland Security Administration: Policies and Programs | 3 | | |
| HLS/PHIL 803 | Homeland Security: Social and Ethical Issues | 3 | | |
| HLS/PLSC 805 | Violence, Threats, Terror, and Insurgency | 3 | | |
| Base Program Prescribed Courses | | | | |
| HLS 811 | Fundamentals of Homeland Security and Emergency Management | 3 | | |
| HLS 812 | Homeland Security and Homeland Defense in Practice | 3 | | |
| HLS 813 | Multifaceted Approaches to Homeland Security | 3 | | |
| HLS 558 | Whole-Community Disaster Preparedness | 3 | | |
| Electives | | | | |
| Choose 9 credits from an approved elective list in consultation with adviser. The list of electives is maintained by the Base Program Director and is provided to the students in the base program. | | | | |
| Capstone Experience | | | | |
| HLS 594 | Research Topics | 3 | | |

| Code Title Credits Command | Agricultural Bio | security and Food Defense Option | | HLS/PLSC 805 | Violence, Threats, Terror, and Insurgency | 3 |
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| Electives Choose 9 credits from an approved elective list in consultation with adviser. The list of electives is maintained by the Option Director and is provided to the students in the option. Capstone Experience PLSC 594 Research in Political Science 3 Total Credits 33 Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security: Social and Ethical Issues 3 HLS/PADM 801 Homeland Security Administration: Policies and 3 Frograms Assurance | PLSC 837 | Radicalization, Counter-Radicalization, and De- | 3 | GEOG 594B | Geospatial Intelligence Capstone Experience | 2 |
| Choose 9 credits from an approved elective list in consultation with adviser. The list of electives is maintained by the Option Director and is provided to the students in the option. Capstone Experience PLSC 594 Research in Political Science 7 Total Credits 8 Required Courses Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS Orientation HLS /PADM 801 Homeland Security Administration: Policies and Programs HLS Orientation Assurance HLS Orientation Security and Forensics Option Code Title Credits Required Courses HLS Orientation HLS Orientation Ori | Flactives | Radicalization | | Total Credits | | 33 |
| adviser. The list of electives is maintained by the Option Director and is provided to the students in the option. Capstone Experience PLSC 594 Research in Political Science Total Credits Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS Orientation Credits Required Courses HLS/PADM 801 Homeland Security Administration: Policies and 3 Programs HLS/PADM 801 Homeland Security Administration: Policies and 3 Programs HLS/PADM 801 Homeland Security Administration: Policies and 3 Programs HLS/PADM 801 Homeland Security Administration: Policies and 3 Programs HLS/PADM 801 Homeland Security Administration: Policies and 3 Programs HLS/PHIL 803 Homeland Security Management 3 Security Management 3 Security Administration Security and Assurance | | s from an approved elective list in consultation wi | th 9 | Information Sec | curity and Forensics Ontion | |
| Capstone Experience PLSC 594 Research in Political Science 3 Total Credits 33 Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS Orientation 0 HLS/PADM 801 Homeland Security Administration: Policies and Programs 3 HLS/PHIL 803 Homeland Security Social and Ethical Issues 3 Information Security and Forensics Option Prescribed Courses 3 IST 454 Computer and Cyber Forensics 3 IST 456 Information Security Management 3 IST 815 Foundations of Information Security and Assurance | adviser. The list | of electives is maintained by the Option Director a | | Code | Title C | redits |
| PLSC 594 Research in Political Science 3 Total Credits 33 Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS Orientation HUS/PADM 801 Homeland Security Administration: Policies and Programs HLS Orientation 10 HLS/PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Social and Ethical Issues 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 801 Homeland Security Administration: Policies and Programs 13 HLS PADM 802 Homeland Security Administration: Policies and Programs 13 HLS PADM 803 Homeland Security Administration: Policies Administration: Policies Administration: Policies Administration: Policies | | | | | 5 | |
| Total Credits Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses HLS Orientation HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PHIL 803 Homeland Security: Social and Ethical Issues Assurance HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PHIL 803 Homeland Security Administration: Policies and Assurance | | | 3 | | Hamaland Conview Administrative Delivin | |
| Cyber Threat Analytics and Prevention Option Code Title Credits Required Courses Information Security and Forensics Option Prescribed Courses HLS Orientation 0 HLS/PADM 801 Homeland Security Administration: Policies and Programs 3 HLS/PHIL 803 Homeland Security Social and Ethical Issues 3 HLS/PHIL 803 Homeland Security Social and Ethical Issues 3 | | nesculon in a official ocience | | | Programs | |
| Code Title Credits Required Courses HLS Orientation HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PHII 803 Homeland Security Social and Ethical Issues 3 HLS/PHII 803 Homeland Security Social and Ethical Issues 3 | Cyhar Thrast A | nalytics and Prevention Ontion | | | - | |
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| HLS Orientation HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PHII 803 Homeland Security Social and Ethical Issues 3 HIS/PHII 803 Homeland Security Social and Ethical Issues 3 | | | | | | |
| HLS/PADM 801 Homeland Security Administration: Policies and Programs HLS/PHIL 803 Homeland Security Social and Ethical Issues 3 HLS/PHIL 803 Homeland Security Social and Ethical Issues 3 | - | | 0 | IST 454 | | 3 |
| Programs Programs Assurance HI S/PHII 803 Homeland Security Social and Ethical Issues 3 | | Homeland Security Administration: Policies and | | IST 456 | | 3 |
| HLS/PHIL 803 Homeland Security: Social and Ethical Issues 3 IST 554 Network Management and Security 3 | | Programs | | IST 815 | • | 3 |
| | HLS/PHIL 803 | Homeland Security: Social and Ethical Issues | 3 | IST 554 | Network Management and Security | 3 |

Electives

Choose 9 credits from an approved elective list in consultation with 9 adviser. The list of electives is maintained by the Option Director and is provided to the students in the option.

Capstone Experience

| Total Credits | 33 |
|----------------|-------------|
| IST 594 Resear | ch Topics 3 |

Public Health Preparedness Option

| Code | Title | Credits | | |
|--|---|---------|--|--|
| Required Courses | 8 | | | |
| HLS Orientation | | 0 | | |
| HLS/PADM 801 | Homeland Security Administration: Policies and Programs | d 3 | | |
| HLS/PHIL 803 | Homeland Security: Social and Ethical Issues | 3 | | |
| HLS/PLSC 805 | Violence, Threats, Terror, and Insurgency | 3 | | |
| Public Health Preparedness Option Prescribed Courses | | | | |
| PHP 410 | Public Health Preparedness for Disaster and Terrorist Emergencies I | 3 | | |
| PHP 510 | Public Health Preparedness for Disaster and Terrorist Emergencies II | 3 | | |
| PHP 527 | Public Health Evaluation of Disasters and Bioterrorism | 3 | | |
| PHP 830 | Critical Infrastructure Protection of Health Care Delivery Systems | 3 | | |
| Electives | | | | |

is provided to the students in the option.

| | Total Credits | | 33 | ţ |
|---------------------|----------------------|-----------------|----|---|
| | PHP 594 | Research Topics | 3 | } |
| Capstone Experience | | | | |

Choose 9 credits from an approved elective list in consultation with adviser. The list of electives is maintained by the Option Director and