

Master of Professional Studies in Homeland Security - Cyber Threat Analytics and Prevention

The course work in the MPS in Homeland Security - CTAP option can help you acquire a broad base of knowledge relevant to the current policies and programs of the homeland security administration. It can further provide you with a focus on preventing cyber attacks and understanding cyber laws, as well as addressing network vulnerabilities, system threats, and cyber terrorism. With this curriculum, you can build on your expertise in these key areas:

- social and ethical issues relating to homeland security
- domestic and global views of violence and terrorism
- data collection and analysis
- security and privacy in the digital age

Core Courses (9 credits)

HLS 801 Graduate Statistics

HLS 803 Homeland Security: Social and Ethical Issues

HLS 805 Violence, Threats, Terror, and Insurgency

Prescribed Courses (12 credits)

SWENG 545 Data Mining

IN SC 561 Web Security and Privacy

IN SC 846 Network and Predictive Analytics for Socio-Technical Systems

IST 564 Crisis, Disaster, and Risk Management

Electives (9 credits)

DAAN 822 Data Collection and Cleaning

DAAN 825 Large-Scale Database and Warehouse

DAAN 871 Data Visualization

GEOG 571 Intelligence Analysis, Cultural Geography, and Homeland Security

HLS 875 U.S. Homeland Security Law

IST 454 Computer and Cyber Forensics

IST 554 Network Management and Security

IST 885 Introduction to Multisensor Data Fusion

PL SC 439 The Politics of Terrorism

PL SC 836 Root Causes of Terrorism

Capstone (3 credits)

IN SC 594 Research Project

Penn State World Campus is accredited by the Commission on Higher Education of the Middle States Association of College and Schools.

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Additional Information: <https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-homeland-security-cyber-threat-analytics-prevention-masters/courses>

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