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.

For more information contact:

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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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