



Graduate Certificate in Cyber Threat Analytics and Prevention

The Graduate Certificate in Cyber Threat Analytics and Prevention will be awarded upon successful completion of the 12-credit curriculum below. The courses are not listed in sequential order. All course work should be completed within three years of starting the certificate program.

Students should e-mail questions, requests for course substitutions and approvals to EngHelp@psu.edu.

6 Credit Required Curriculum	
Course #	Course Titles
INSC 561	Web Security and Privacy
IST 554	Network Management and Security
6 Credit Elective Curriculum – Choose 2 Electives	
Choose two of the courses below	
Course #	Course Titles
IST 820	Cybersecurity Analytics
DAAN 871	Data Visualization
INSC 846	Network & Predictive Analytics for Socio-Technical Systems
IST 454	Computer and Cyber Forensics

Penn State Great Valley's Cyber Threat Analytics and Prevention graduate certificate prepares students to understand the diverse and global cyberattacks, cyber laws and regulations, vulnerabilities, threats, and surveillance systems, while gaining certain fundamental skills to plan, prevent, protect, detect, analyze, respond, mitigate, and recover from threats and attacks in a sophisticated and large-scale basis. To be awarded the graduate certificate, students must successfully complete 12 credits of course work. Students must complete each course with a grade of C or better, and an overall grade-point average of 3.0 in the certificate courses to be awarded the certificate.

Advising Worksheet – Total of 12 Credits:

6 Credit Required Curriculum			
Course #	Course Titles	Semester	Grade
6 Credit Elective Curriculum			
Course #	Course Titles	Semester	Grade

Students must maintain a minimum grade point average of 3.0 (B) throughout the program. Courses may be applied to the Master of Engineering in Software Engineering or the Master of Science in Information Science if admitted as a degree-seeking student. If degree-seeking, you must formally apply for degree admission: completing this certificate does not guarantee admission to the degree program.

After successfully completing the required course work, please submit a Graduate Certificate Completion Form at <http://greatvalley.psu.edu/form/graduate-certificate-completion-form>.