

# Graduate Certificate in Critical Infrastructure Protection and Cyber Crime

## Critical Infrastructure Protection and Cyber Crime Certificate

This certificate explores the nature of conflict in cyber space focusing on two major Internet-based threats to the U.S. national security: cyber terrorism and cyber crime, and the security of information in computer and communications networks within infrastructure sectors critical to national security. These include the sectors of banking, securities and commodities markets, industrial supply chain, electrical/smart grid, energy, transportation, communications, water supply, and health. The seminars in this certificate provide a risk management framework to help information leaders leverage the benefits of internet technologies while minimizing the risks that such technologies pose to their organizations. Topics include risk management of information in critical infrastructure environments through an analysis & synthesis of assets, threats, vulnerabilities, impacts, and countermeasures. Critical consideration is given to the role of Supervisory Control and Data Acquisition (SCADA) systems in the flow of resources such as electricity, water, and fuel.

### Critical Infrastructure Protection and Cyber Crime Certificate Courses

GI 556	Cyber Crime	6
GI 566	Critical Infra. Protection	6
Total Cr.		12