



STRATEGIES & CAPABILITIES FOR CYBER CHALLENGES

RESIDENT: P179898
MOBILE: N/A

ELIGIBLE FUNDING: IMET, FMF/FMS
CERTIFICATION: PME

This four-week course equips participants with the knowledge and skills to understand cyber threats, vulnerabilities and their consequences for national security and military operations. The course explores strategies and capabilities to maintain an advantage over actors who seek to exploit, disrupt, or damage critical networks, systems, and services that our societies and militaries depend upon. Instructors highlight the importance of a comprehensive approach that applies whole-of-government coordination, regional collaboration, and public-private partnership to counter cyber-enabled malicious actors across the spectrum of conflict.

OBJECTIVES

As an outcome of this offering, participants will be able to:

- ◆ Recognize cyber threats and challenges in new forms of geopolitical conflict and competition across political, economic, and military arenas.
- ◆ Effectively analyze, design, and implement national and military strategies for safeguarding unfettered access to cyberspace.
- ◆ Understand emerging technologies and security practices to counter advanced cyber actor tactics and techniques.
- ◆ Be conversant in legal aspects and issues for a global domain, including national regulations and laws, and international regimes and norms.
- ◆ Consider governmental processes and policies to promote cooperation among government and private sector organizations, ministries, and law enforcement partners.

TOPICS

The delivery format combines academic presentations on prevailing and emergent cyber domain concepts and conditions with practical frameworks including: cyber security assessments, operational level exercises, and applied group work on coordination products to understand and to counter cyber threats in scenarios based on actual attacks and campaigns. Sample topics include:

- ◆ Cyber attack trends, vectors, vulnerabilities and risks
- ◆ Cyber conflict concepts, elements, laws, and regimes
- ◆ Disinformation, aggression and resilience
- ◆ Security plans, frameworks, and controls
- ◆ Network architectures and technical methods
- ◆ Data analytics and emerging innovations
- ◆ Commercial sector, civil agency, and military department cooperation mechanisms

PARTICIPANTS

The seminar is designed for planners and advisors to senior leadership at ministries of defense, foreign affairs, and communications and at operational headquarters and commands.



FACULTY

ISG employs a diverse faculty with strong professional, academic, military, and government backgrounds. This faculty core is augmented by other government experts (both civilian and military) and subject matter experts (SMEs) drawn from universities, think tanks, international organizations, and industry.

ENROLLMENT

Courses are conducted for partner countries as part of the United States government's security assistance and security cooperation efforts. As such, participation in ISG courses is managed through the security cooperation office of the US Embassies in partner countries. Interested, non-US persons should contact the international cooperation section of their own government or the relevant US Embassy for selection processes and enrollment. ISG reserves limited space in courses for US citizens. Interested US citizens may contact ISG to discuss availability.

FUNDING

ISG can accept most types of US government funding. Courses are typically funded by IMET, FMF, FMS, CTIWFP, PKO, and other DoD-wide O&M funds (333, MSI, etc) on a case-by case basis. Cost estimates can be obtained by contacting ISG.

ABOUT ISG

The Institute for Security Governance (ISG) is a global security cooperation organization established to build partner capability and grow the field and practice of institutional capacity building (ICB). Located in Monterey, California, ISG serves as the Defense Security Cooperation Agency (DSCA)'s primary resource for ICB integration and implementation, project scoping and design, and education and advising expertise.

This course is a key component of ISG's 25-year-long effort to provide military and civilian officials with unique education and professional development programs. Designed to cultivate individual understanding of complex issues and foster peer-to-peer learning, this custom-tailored course offering brings theoretical and applied learning practices into an exciting and rich classroom environment.