



INSTITUTE FOR SECURITY GOVERNANCE

Advancing Knowledge, Building Capacity, Strengthening Partners



STRATEGIES & CAPABILITIES FOR CYBER CHALLENGES

RESIDENT: P179898

MOBILE: N/A

ELIGIBLE FUNDING: IMET, FMF/FMS

CERTIFICATION: PME, (E-IMET PENDING)

This four-week course equips participants with the knowledge and skills to understand cyber threats and 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 the critical networks, systems, and services upon which our societies and militaries depend. Instructors highlight the importance of a comprehensive approach that applies whole-of-government coordination, regional collaboration, and public-private partnerships to counter cyber-enabled malicious actors across the spectrum of conflict.

OBJECTIVES

At the end of this course, 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 the 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 counter cyber threats in scenarios based on actual attacks and campaigns.

Course topics may include:

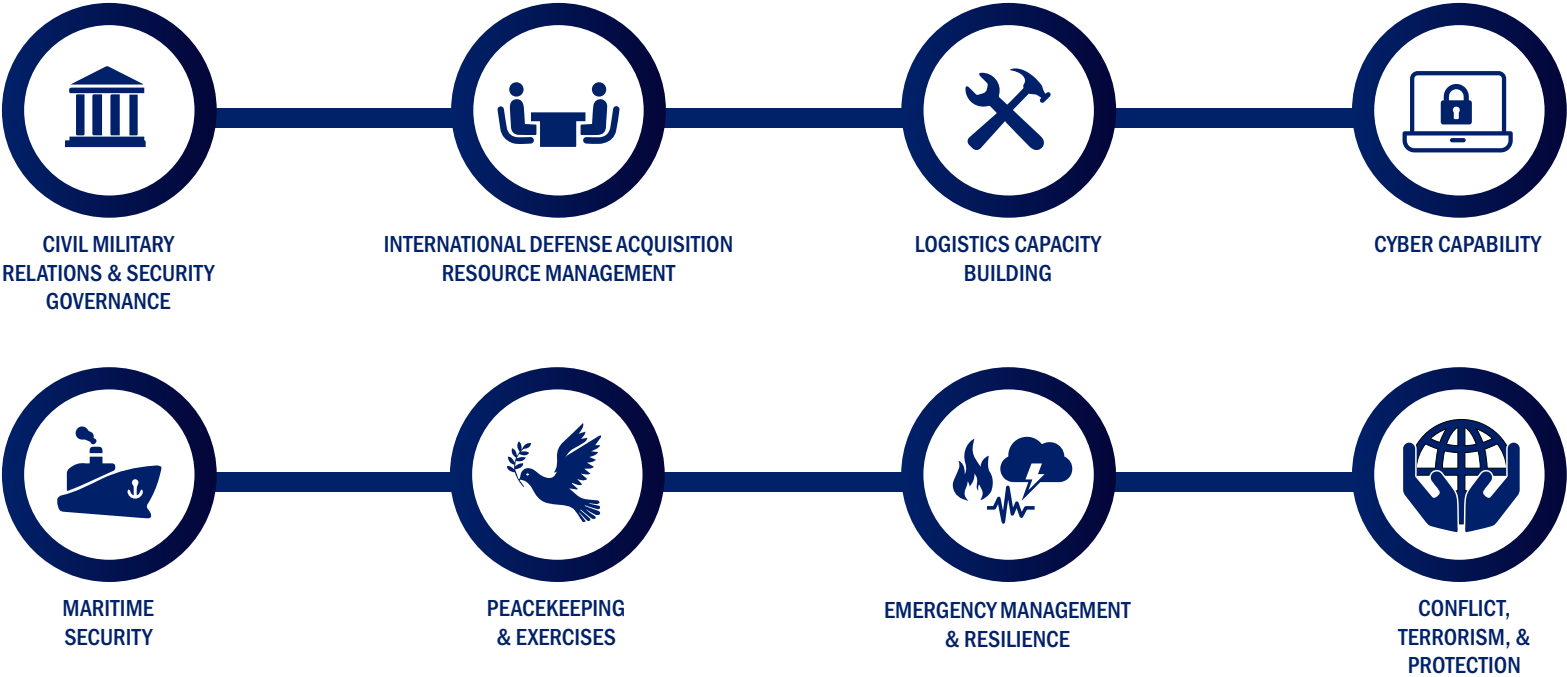
- ◆ Cyber attack trends, vectors, vulnerabilities, and risks
- ◆ Cyber conflict concepts, elements, laws, and regimes
- ◆ Disinformation, aggression, and resilience
- ◆ Security plans, frameworks, and controls
- ◆ Network architectures, technical methods, data analytics, and emerging innovations
- ◆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

PARTICIPANTS

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

ISG PROGRAM AREAS

ISG programming has been developed over 25 years by providing military and civilian officials with unique education and professional development programs. Courses are designed to cultivate individual understanding of complex issues, foster peer-to-peer learning, and build international communities of interest.



FACULTY

ISG has a diverse faculty team grounded in professional experience from academic, military, government, and civil sectors. The core faculty are augmented by experts drawn from other parts of government, and American and international subject matter experts drawn from universities, industry, think tanks, international organizations, and non-governmental organizations.

ENROLLMENT

Courses are conducted as part of the US Government security cooperation efforts. Interested partner nation personnel should contact their government’s international cooperation section, or the relevant US Embassy’s security/military cooperation office for selection processes and enrollment. Interested US citizens may contact ISG to discuss availability.

FUNDING

Educational programs are primarily implemented through Title 22 authorized programs (International Military Education and Training, Foreign Military Sales, Peacekeeping Operations) and various Title 10 authorized programs such as the Maritime Security Initiative (MSI) and Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program (RDFFP).

ABOUT ISG



The Institute for Security Governance – situated within the Defense Security Cooperation University’s (DSCU) International School of Education and Advising (ISEA) – is the Department of Defense’s Center of Excellence for Institutional Capacity Building (ICB). As a component of the Defense Security Cooperation Agency (DSCA), and one of its primary international Security Cooperation schoolhouses, ISG is charged with building partner institutional capacity and capability through tailored advising, education, and professional development programs grounded in American values and approaches.