



# INSTITUTE FOR SECURITY GOVERNANCE

DEFENSE SECURITY COOPERATION UNIVERSITY



## STRATEGIES & CAPABILITIES FOR CYBER CHALLENGES

**RESIDENT: P179898**

**MOBILE: N/A**

**CERTIFICATION: PME, RDFP**

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

Upon conclusion of this course, participants will be able to:

- ◆ Recognize cyber threats and challenges in new forms of geopolitical conflict and competition across political platforms
- ◆ Effectively analyze, design, and implement national and military strategies for safeguarding 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's 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, practical frameworks (including cybersecurity assessments and operational level exercises), and applied group work to understand and counter cyber threats in scenarios based on actual attacks and campaigns. Course topics may include:

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

### 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.



SECURITY GOVERNANCE & CIVIL MILITARY RELATIONS (CMR)



CONFLICT, TERRORISM, & PROTECTION (CTP)



MARITIME SECURITY (MARSEC)



EMERGENCY MANAGEMENT & RESILIENCE (EM&R)



PEACEKEEPING & EXERCISES (PKX)



CYBER CAPABILITY (CYBER)



INTERNATIONAL DEFENSE ACQUISITION RESOURCE MANAGEMENT (IDARM)



LOGISTICS CAPABILITY BUILDING (LCB)

## 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 Defense Security Cooperation University's Institute for Security Governance (ISG) is the Department of Defense's leading implementer for Institutional Capacity Building (ICB) and one of its primary International Schoolhouses. As a component of the Defense Security Cooperation Agency, ISG is charged with building partner institutional capacity and capability through tailored advising, education, and professional development programs grounded in American values and approaches.