



UNIVERSITY OF
PUBLIC SERVICE
LUDOVIKA



Invitation to the course

CHALLENGES OF EUROPEAN CYBERSECURITY

(ESDC Activity Number 24-25/200/2)

Budapest, Hungary, 28–30 April 2025

The Hungarian Ludovika University of Public Service (LUPS), in cooperation with the European Union Agency for Cybersecurity (ENISA), under the auspices of the European Security and Defence College (ESDC) have the honor of organising the Challenges of European Cybersecurity Course, Monday 28 - Wednesday 30 April 2025, in Budapest, Hungary.

Aligned with the ESDC's Cyber ETEE platform, this course is specifically tailored and offered for public sector employees from EU Member States, EU institutions, Bodies, Agencies, as well as for EU candidate countries and third countries.

The course aims at enabling participants to understand the extensive nature of the information society and recognising its complexity and the different threats, the basic notions and concepts related to cyber security and cyber defence, as well as international cyber space issues and cyber diplomacy. Offering an overview on technological tools used in cyber security and cyber defence, the course also aims at providing an opportunity to create a network of people working in the field.

The overall objective of this course is to acquire substantial knowledge to be able to recognise the nature of the different cyber threats we are experiencing and to identify the challenges of cyber security at a European level and the way ahead. It aims at improving skills and abilities to identify technical as well as organisational tools related to cyber security as well as the challenges of industrial and public planning needed to face cyber threats. Its aims also comprise that the participants could evaluate the potential impacts of cyber security on public policies and also assess and summarize the challenges of cyber security at European level.

The course is structured in 2 parts:

1. An asynchronous self- Learning component, which provides an introduction to the history and context of ESDP/CSDP and also the roles of the EU institutions in this field. This part is mandatory and requires 8 hours of self-study.
2. A classroom course which will be held from April 28th to April 30th, 2025. It will focus on EU capabilities, strategies and policies of cyber space align with legal frameworks, cyber diplomacy and cyber co-operation.

At the end of the course, trainees will be able to evaluate the potential impacts of cyber security on public policies. They will also gain the capability to identify and perceive the challenges of industrial and public planning needed to face cyber threats.

On behalf of the Hungarian Ludovika University of Public Service (LUPS), the European Union Agency for Cybersecurity (ENISA) and the European Security and Defence College (ESDC), we are pleased to invite you to nominate suitable participants for this ESDC course, which offers an excellent opportunity to gain an in-depth knowledge on top cyber threats and preparedness to efficiently confront contemporary and emerging cyber-threats.

Yours faithfully,



Dr. Balázs Bartóki-

Gönczy

Vice Dean

Ludovika University of

Public Service

Dr. Demosthenes

IKONOMOU

Head of Capacity

Building Unit

European Union

Agency for

Cybersecurity

(ENISA)

Fergal O' REGAN

Acting Head

European Security and

Defence College (ESDC)

Annexes:

A – Course Administrative Instructions

B – Tentative Course Agenda



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Annex A

Course administrative instructions

- **Target audience:** As part of ESDC's Cyber ETEE platform, this course is offered to public civilian and military employees from EU Member States and EU institutions.
- **Seats and nominations:** A maximum of 28 participants.
- **Application and deadline:** The course is offered free of charge. Applications should be submitted by designated nominators using the ESDC ENLIST Platform <https://esdc.europa.eu/enlist/login>, no later than 15 March 2025. A list with the relevant ENLIST nominators can be retrieved from the ESDC website at <https://esdc.europa.eu/nominators/>. **Late registration:** Subject to the availability of seats, the course is open for late registration. Please contact the course administrator: Mr Evangelos ENGLEZAKIS (ESDC Training Manager, Evangelos.ENGLEZAKIS@eeas.europa.eu) or the Course Directors, Mr. Tamás SZÁDECZKY (szadeczky_tamas@uni-nke.hu), Ms Anna MOLNAR (molnar.anna@uni-nke.hu) or Ms Dora MOLNAR (Molnar.Dora@uni-nke.hu).
- **Registration will not be final until confirmed by the ESDC Secretariat.** Please do not book flights and accommodation before receiving the confirmation.
- **The selection of participants** will be based on applicant backgrounds, experience, suitability, gender balance and country of origin. The decision on which applications are accepted remains solely with the Training Institutions and the ESDC Secretariat. When the participants' list is finalised, the course administration will contact the selected participants and provide more detailed information about the course and logistics.
- **Mandatory e-learning and attendance:** The course consists of an e-learning preparatory phase (online) to be completed using the ESDC e-Learning platform ILIAS, as well as a residential activity in Budapest (Hungary); both parts are compulsory. In order to complete the first part (i.e. the online modules), the ESDC will provide the relevant links to the selected participants. Participants must complete these online e-learning modules before the start of the residential part. The participants' attendance during the residential course in Budapest is mandatory on all days. A certificate will be awarded, on the last day, to those course participants who have completed both the e-learning phase and the residential course.
- **Course venue (location):** The course will be held at the Hungarian Ludovika University of Public Service premises (2 Ludovika square, H-1083 Budapest).
- **Language:** The working language is English, without translation.
- **Course (tuition) fees:** The course has no registration or tuition fees.

- **Travel expenses, transfers, accommodation, meals and catering:** Participants should arrange their own travel and accommodation. All costs for travelling to/from Hungary, accommodation, catering and meals (including breakfast), daily allowances, transfers and local transport will be covered by the participants or by their sending authorities.
- **Hotel reservations:** There are numerous hotels in the Budapest area, and participants are responsible for their own arrangements. Recommended hotels that are either close to the UPS or around the area of city centre are as follows:
 - Hotel Di Verdi Imperial**** (43 Thaly Kálmán street, H-1096 Budapest)
<https://www.verdigrandhotel.com/hotel/di-verdi-imperial/?l=en>
 - Hotel Gloria Budapest City Center*** (22 Bláthy Ottó street, H-1089 Budapest)
<https://www.hotelgloria.com/en/>
 - Hotel Millennium*** (94-98 Üllői street, H-1089 Budapest)
<https://www.hunguesthotels.hu/en/hotel/budapest/hotel-millennium/hotel-millennium>

Participants should not make booking arrangements before the confirmation message from the ESDC Training Manager.
- **Liabilities, medical and life insurance:** In the event of medical emergencies or accidents, the costs will be covered directly by the health, life and accident insurance provided by the participants' sending countries, national authorities or organisations. The organiser does not provide health, life or accident insurance for participants at the event or during their stay in Hungary.
- **Dress code:** We recommend that participants wear business attire (or a dress) for the opening event and closing ceremony. Members of the armed forces, gendarmerie and police are not obliged to wear their uniforms, unless it is their preference. During the course, a networking social dinner will be offered to all the course participants, experts and trainers. For this specific event, as well as course classes and field visits, comfortable business/smart casual attire will be appropriate.
- **Additional info:** The Challenges of European Cybersecurity course standard curriculum can be consulted on the ESDC website at <https://esdc.europa.eu/curricula/>.
- **Arrival/Departure:** Participants are invited to arrive in Budapest on Sunday 27 April 2025. The course will start at 08:30 on Monday 28 April 2025 and will finish at 16:00 on Wednesday 30 April 2025.
- The final course agenda will be distributed to all selected participants. Nevertheless, for matters regarding the course programme and planned activities, please do not hesitate to contact the Course Directors, Tamás SZÁDECZKY or Dóra MOLNÁR.
- **Additional information:**

For more information about the classroom course and its structure, please contact the Course directors, Tamás Szádeczky (Cybersecurity Department, LUPS, szadeczky.tamas@uni-nke.hu), Dóra Molnár (International Security Policy Department, LUPS, molnar.dora@uni-nke.hu) and Anna Molnár (Head of International Security Policy Department, LUPS, molnar.anna@uni-nke.hu).



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Annex B

Tentative Course Agenda

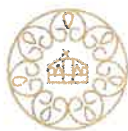
The course is structured in two parts:

PART I: AN ASYNCHRONOUS SELF- LEARNING PART, which provides an introduction on the history and context of ESDC/CSDP development and the roles of EU institutions in this field. This part is supported by the European Security and Defence College and the European Union Agency for Cybersecurity (ENISA). It is mandatory and requires approximately 8 hours of self-study.

The asynchronous self-learning consists of the following 3 modules:

- i. History and Context of the Common Security and Defence Policy of the EU
- ii. The EU Strategic Compass
- iii. A module presenting how a ransomware incident happens, how to analyse it and identify mitigation measures in a systematic way. The e-learning module is a storyline, which is based on a cyber-attack that uses the Emotet malware; followed by an analysis of all the appropriate technical countermeasures that an entity could take to protect itself from such cyber-attacks.

PART II: A CLASSROOM COURSE, which will be held at the Ludovika University of Public Service (2 Ludovika square, H-1083 Budapest) from 28th to 30th April 2025. The course will follow a blending approach, mixing online lectures and exercise, and so facilitate achieving the Learning Objectives. It will focus on cyber threats, strategies and concepts, as well as cyber diplomacy and cyber warfare. The scheduled activities and the related topics are indicated in the following table:



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Time	Day 1 (28 April 2025) Location: John Lukacs hall (Side Building)
8:00 – 8:30	Registration
8:30 – 9:00	Opening ceremony
9:00 – 10:30	Cyberspace: Trends, Concepts and Strategies.
10:30 – 10:45	Coffee Break
10:45 – 12:15	Cybersecurity at national level. Cybersecurity of private infrastructure.
12:15 – 13:00	Lunch
13:00 – 14:30	Towards a strategic autonomy for EU in Cyber-Space. EU needs and capacities.
14:30–14:45	Coffee Break
14:45 – 16:15	EU Strategies and Policies.
17.00 – 21.00	Guided tour to the Castle of Buda. Ice-breaking dinner

Time	Day 2 (29 April 2025) Location: John Lukacs hall (Side Building)
08:30 – 10:00	Assessment and perspectives of EU's actions in cyber security.
10:00 – 10:15	Coffee Break
10:15 – 12:00	Legal framework for cyber operations.
12:10 – 12:45	Lunch
13:00 – 13:30	Visit of the Ludovika Museum
13:30 – 15:00	Specificity of military cyber space.
15:00 – 15:15	Coffee Break
15:15 – 16:45	Hybrid and digital combat in the Conduct of Military Operations. Cyber security and cross-domain warfare.

Time	Day 3 (30 April 2025) Location: John Lukacs hall (Side Building)
08:30 – 10:00	Preventing cyber war. Cooperation in Cyberspace: partners and achievements.
10:00 – 10:15	Coffee Break
10:15 – 12:00	Cyber diplomacy and international cyber issues.
12:00 – 12:45	Lunch Break
12:45 – 15:15	Cyber exercise (Table-top non-technical exercise)
15:15 – 15:30	Coffee Break
15:30 – 16:00	Certificate Ceremony - Closing Remarks



LEARNING OUTCOMES	
Knowledge	<p>Understand of the overall contextual framework of cybersecurity</p> <p>Define trends in cyber threats and critical Infrastructure</p> <p>Know national cyber-security policies and compare them</p> <p>Describe cyber security / cyber defence needs for the EU and CSDP</p> <p>Define EU capacities in cyber security and the EU role in reinforcing member-states capacities</p> <p>Define the legal framework for cyber operations</p>
Skills	<p>Outline main cyber strategies and policies</p> <p>Analyse a cyber-strategy</p> <p>Apply cyber regulations and policies</p> <p>Cooperate with cyber partners and the private sector</p>
Competences	<p>Analyse cyber strategies and legal questions</p> <p>Propose cyber policies and regulations</p> <p>Identify cyber confidence building measures</p> <p>Identify EU role in strategy-making and reinforcing MS capacities</p> <p>Describe and assess EU's progress in cyber security</p>

The main profile of this course, following the **European Cybersecurity Skills Framework (ESCF)**, is the Cyber Legal, Policy and Compliance Officer. Other ESCF roles like Cybersecurity Developer and Cybersecurity Researcher can also benefit from this course.

