

Lviv State University of Internal Affairs
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***CURRENT ISSUES OF TRAINING PROFESSIONAL
PERSONNEL IN THE FIELD OF INFORMATION
SECURITY IN WAR CONDITIONS***

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According to the State Statistics Service of Ukraine, in 2018-2022:

- the number of students who received higher education in the field of training “Information security” (field of knowledge “Security”) decreased **by 99.9%**;
- those released from institutions of higher education (universities, academies, institutes) – **by 99.6%**.
- During this period, the training of specialists was carried out at the educational and qualification level “Bachelor”.

**Ernst & Young Global Information Security Survey
2018-19 “Cybersecurity – more than protection?”
(more than 1400 managers of the largest
international companies with revenues of 10 million
dollars or more participated in the survey):**

- **cybersecurity** remains an important issue on the agenda of most companies and organizations;
- **60%** of organizations claim that employees who are directly responsible for ensuring information security are not members of the board of directors;
- only **18%** of companies state that information security is the object of constant management attention at a strategic level

According to the World Economic Forum (WEF) Cybersecurity Center Report “Global Cybersecurity Outlook to 2022”:

59% of all respondents consider it difficult to adequately respond to a cybersecurity incident due to a lack of qualified professionals on their team.

The Cybersecurity Workforce Study:

- the global shortage of personnel in the field of cybersecurity amounted to 3.4 million people in 2022, while 70% of organizations have unfilled vacancies

The World Economic Forum together with several companies has launched an online educational platform ***“Cybersecurity Learning Hub”***.

The purpose of this project is to train and improve the skills of cybersecurity specialists to ensure quality work in this area.

Proposals for the implementation of a national educational project, which should cover such important components:

- strengthening the cyber resilience of the state due to the close cooperation of higher education institutions with the government of Ukraine;
- support for universities to increase the number of specialists in the field of information security management and improve the quality of their education;
- advanced training of cybersecurity experts through educational and practical trainings and webinars;
- establishing contacts between Ukrainian institutions of higher education and the international academic and university community.

For **the effective implementation of this educational project**, it is proposed:

- to make changes and additions to ***the Strategy of National Security of Ukraine*** and ***the Strategy of Information Security of Ukraine*** in terms of creating appropriate institutional conditions for the formation of personnel potential in the field of cybersecurity;
- to develop and approve ***the Concept of the Development of the Digital Economy and Society of Ukraine for 2023-2027***, in which to determine the mechanisms for training personnel in the field of information security of the state in the context of digital transformations, as well as to approve the Action Plan for its implementation.

**Thank you
very much for your attention!**