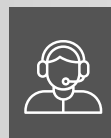# CYBERSECURITY STRATEGIES IN THE ERA OF ARTIFICIAL INTELLIGENCE - 3RD EDITION

BIP Program (ERASMUS+)

LANGUAGE
English (B2 level)

WHERE
Cluj-Napoca, Romania
Babeș-Bolyai University

WHO CAN ATTEND
Students (bachelor/Master level)
Faculty members/administrative
personnel (training staff mobility)

WHEN
APRIL 21-22, 2026 (ONLINE)
MAY 04-08, 2026 (ON-SITE)

To apply, please contact the Erasmus office at your university.

CYBERSECURITY STRATEGIES IN THE ERA OF ARTIFICIAL INTELLIGENCE

Cybercrime takes numerous forms and diverse typologies. The phenomenon is increasingly complex, sophisticated, and evolving, posing real threats to individuals, organizations, and states. As EUROPOL's IOCTA Report (2023: 5) underlines, "offenders continue showing high levels of adaptability to new technologies and societal developments, while constantly enhancing cooperation and specialisation." Consequently, cybersecurity strategies must be adapted, flexible and dynamic, to effectively address the threats. Artificial intelligence can play an essential role in the new cybersecurity landscape.

The aim of this intensive program is to provide information on the main cybercrime forms, how perpetrators abuse the new medium and new Disruptive Technologies tools (i.e., Internet of Things, AI, Bockchain, cryptocurrencies, cloud technologies, 3D Printing), and how to successfully design cybersecurity strategies

Program Overview

Academic Coordinator: Prof. Dr. Ioana Vasiu, Faculty of Law
Number of ECTS credits: 3
Certificate of attendance

Module 1
Introduction and Objectives.

- Introduction to cybercrime. Taxonomy.
- An overview of the legal frameworks
- General aspects concerning cybersecurity and cybercrime prevention.

Module 2
Typologies of Cybercrime

- Offences against the confidentiality, integrity and availability of computer data and systems; illegal access, illegal interception, data interference (including cyber vandalism) system interference, malware writing, botnet operation, website defacement, ransomware attacks, DDoS)
- Case studies:
· computer espionage
· computer trespassing with the aim to obtain data
· computer trespassing that interferes with the intended computer use
· damaging a protected computer by various means including malware
· threatening to damage a protected computer
· trafficking in passwords and other hacking tools
· IoT attacks
- Computer-related offences; computer related fraud, computer related forgery, computer related identity offences
- Content-related offences
- Offences related to infringements of copyright and related rights.

Module 3
Interpersonal cybercrime

- Cyberstalking, Cyberharassment, Cyberbullying
- Metaverse aspects

Module 4
Hacktivism. Disinformation Campaigns through AI

Module 5. Cybersecurity

- New legal framework
- AI strategies. Incident response, threat hunting, data analysis.
- AI and innovative models to prevent cyber threats
- Case studies: anomaly and intrusion detection machine learning.

PROF. DR. IOANA VASIU

FACULTY OF LAW
UNIVERSITATEA BABEȘ-BOLYAI,
CLUJ-NAPOCA

Professor Ioana Vasiu is member of the Romanian National Council for Ethics in Scientific Research, Technological Development, and Innovation; external affiliated member of the Ostrom Workshop Program on Cybersecurity and Internet Governance, Indiana University, U.S; and member of the Board of Directors of the International Association of Penal Law. She was expert for the European Commission and the United Nations Development Programme Romania, partner and lead researcher on several projects, and Co-Chair of the Management and Delivery of Justice Group of the European Group of Public Administration.

REASONS TO ATTEND THIS BIP PROGRAM

01 EU COMMISSION FINANCIAL SUPPORT

- COURSES, CULTURAL ACTIVITIES, COFFEE BREAKS WILL BE COVERED BY BABEȘ-BOLYAI UNIVERSITY WITH THE SUPPORT OF THE EU – ERASMUS+ PROGRAM
- STUDENTS' TRAVEL AND SUBSISTENCE COSTS ARE SUPPORTED BY THE ERASMUS+ FUNDS

02 NO ATTENDANCE FEE

03 INNOVATIVE TEACHING METHODS

- LEARN NEW SKILLS
- GET A CRASH COURSE IN A SUBJECT YOU MAY WANT TO STUDY

04 FORM FRIENDSHIPS AND CONNECTIONS

- GET A GLIMPSE AT ROMANIAN ACADEMIC AND CULTURAL LIFE

05 ON REQUEST, ON-CAMPUS ACCOMMODATION

- ON REQUEST, ON-CAMPUS ACCOMMODATION AT A REASONABLE PRICE (APROX. 7 EUR/NIGHT INTRIPLE ROOM OR 10 EUR/NIGH IN DOUBLE ROOMS)

See you in Cluj!

Organizer:
The Experience Makers team!