





### **INTERNATIONAL ACTIVITIES PROPOSED IN 2025**

International Semester "European Common Technical Semester for Defence and Security"

17.02-21.06.2025

The 35th edition of the Students' International Conference "CERC" 2025 11-12.04.2025







### **INTERNATIONAL SEMESTER**

"European Common Technical Semester for Defence and Security"



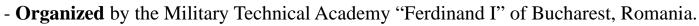
17.02 - 21.06.2025







#### INTERNATIONAL SEMESTER "European Common Technical Semester for Defence and Security" 17.02 – 21.06.2025



- Period: 17.02 21.06.2025.
- Cadets/Students Exchange
- Lecturers Exchange

#### **Transportation:**

- Participants are requested to travel to and from Bucharest-Otopeni Airport on their own
- RO MTA will provide transportation from and to Bucharest-Otopeni Airport.







#### **INTERNATIONAL SEMESTER**

"European Common Technical Semester for Defence and Security"

17.02 - 21.06.2025



No.	Subjects			
1	Applied Informatics	Basic Engineering	3	
2	Applied Automation for Engineering Systems	(6 ECTS)	3	
3	Integrated Weapon Systems	Military Science	3	
4	Common Security and Defence Policy	(6 ECTS)	3	
5a	Computer Networks		3	
5a	Programming Languages	Electronic Engineering and	3	
7a	Signal Processing	Computer Science (12 ECTS)	3	
Ba	Microcontrollers		3	
5b	Propulsion Systems		3	
5b	Dynamic of Flight	Mechanical and Aerospace	3	
7b	Mechanics and Material Science	Engineering (12 ECTS)	3	
3b	Computer-Aided-Design and Numerical Analysis	(12 2010)	3	
)	Interdisciplinary Scientific Project			
10	Intercultural Communication	Supplementary subjects	2	
11	Physical Education and Sports	(4 ECTS)	2	
TOTAL				



### **INTERNATIONAL SEMESTER EuCTSds 2025**

Period	Code	Disciplines	ECTS	Your option		
17.02 - 23.02.2024 24.02 - 02.03.2024	BE01	Applied Informatics	3			
03.03 - 09.03.2024 10.03 - 16.03.2024	EI02	O1. Programming Languages	3			
17.03 - 23.03.2024 24.03 - 30.03.2024	EI03	O1. Computer Networks	3			
31.03 - 06.04.2024 07.04 - 10.04.2024	MS01	Common Security and Defence Policy	3			
11.04 - 13.04.2024	INTERNATIONAL STUDENTS' CONFERENCE CERC 2025					
18.04 - 22.04.2024	4 CATHOLIC&ORTHODOX EASTER 2025					
14.04 - 17.04.2024 28.04 - 04.05.2024	BE02	Applied Automation for Engineering Systems	3			
05.05 - 11.05.2024	EI01	O1. Signal Processing	3			
12.05 – 18.05.2024	MA01	O2. Mechanics and Material Science	5			
19.05 – 25.05.2024	EI04	O1. Microcontrollers	3			
26.05 - 01.06.2024	MA04	O2. Computer-Aided-Design and Numerical Analysis				
02.06 - 08.06.2024 09.06 - 15.06.2024	MS02	Integrated Weapon Systems	3			
17.02 - 21.06.2024 (1 day/week) 23.04 - 27.04.2024 16.06 - 21.06.2024	Proj	Scientific ProjectO1.1. Electronic and Communication Engineering O1.2. Computer Sciences and Cyber Security O2.1. Armament Systems and Military Engineering O2.2. Aerospace and Transport Engineering	6			
17.02 - 15.06.2024	ICom	Intercultural communication	2			
17.02 - 15.06.2024	Sport	Physical Education and Sports	2			



EUROPEAN SECURITY AND

URITÉ ET DE DÉFENSE

#### INTERNATIONAL SEMESTER "European Common Technical Semester for Defence and Security" 17.02 – 21.06.2025

nnical Semester



#### INTERNATIONAL SEMESTER "European Common Technical Semester for Defence and Security" 11.02 – 21.06.2025







### INTERNATIONAL SEMESTER "European Common Technical Semester for Defence and Security" 17.02 – 21.06.2025





### CONTACT

COL (AF). Prof. Eng. Cristian-Emil MOLDOVEANU, PhD

E-mail: cristian.moldoveanu@mta.ro

https://www.mta.ro/international/en/international-semester/

https://www.euctsds.eu/











The 35<sup>th</sup> edition of the Students' International Conference "CERC" 2025 11.04 – 12.04.2025





Free accommodation and meals for cadets

**Transport from/to the airport** 



- Organized by the Military Technical Academy "Ferdinand I" of Bucharest, Romania.
- Period: 11-12 April 2025.

https://www.mta.ro/international/en/cerc/

- In partnership with:
- National University of Science and Technology POLITEHNICA Bucharest, Romania
- Military University of Technology, Warsaw, Poland;
- IUT "Paul Sabatier" of Toulouse, France;
- "Vasil Levski" National Military University, Veliko Tarnovo, Bulgaria.

Based on the scientific circles organised by the MTA academic teachers.

**Promotes** exchanging ideas and scientific information between military and civilian students from Romania and abroad.











### **CERC 2024 - OPENING CEREMONY**





EUROPEAN SECURITY AND

SÉCURITÉ ET DE DÉFENSE



### **CERC 2025 - PANELS**

- 01. Armament Systems (EN)
- 02. Energetic Materials and Ammunition (EN)
- **03.** Constructions and Fortifications (EN)
- 04. Military Engineering and Geomatics(EN)
- 05. Aerospace and Mechanical Engineering (EN)
- 06. Automotive Engineering and Materials Technology (EN)
- 07. Logistics for Defence and Security (EN)
- **08.** Communications and Signal Processing (EN)
- 09. Robotics, Automation and Electronic Systems (EN)
- 10. Computer Engineering and AI (EN)
- 11. Computer Engineering, Cybersecurity and Cryptography (EN)
- 12. Mathematics Applied in Engineering (EN)
- 13. Military Science (EN)
- 14. Geopolitics and Military History (EN)
- **15. Intercultural Communication and Military Ethics (EN)**
- 16. English Language and Culture (EN)
- 17. French Culture, Civilisation and Military Ethics (FR)
- 18. Cultural Anthropology (FR)
- **19.** Common Security and Defence Policy (EN)
- 20. Erasmus and Military Erasmus Experiences (EN)



Students: deliver presentations

















EUROPEAN SECURITY AND

SÉCURITÉ ET DE DÉFENSE

### The **35<sup>th</sup>** edition of the Students' International Conference "CERC" 2025 CERC 2025 - AWARDED PAPERS







### The **35**<sup>th</sup> edition of the **Students' International Conference "CERC" 2025 Erasmus+ International Week**









EUROPEAN SECURITY AND

SÉCURITÉ ET DE DÉFENSE

### The 35<sup>th</sup> edition of the Students' International Conference "CERC" 2025 "CERC " 2025 TRADITIONAL STUDENT DINNER



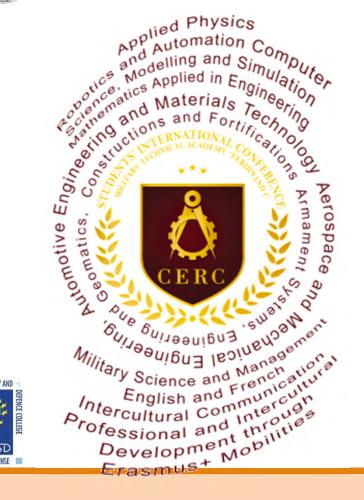












### "LET'S SPIN AROUND THE CIRCLE OF SCIENCE"

### CONTACT

### COL (AF). Prof. Eng. Cristian-Emil MOLDOVEANU, PhD

E-mail: cristian.moldoveanu@mta.ro

https://www.mta.ro/international/en/cerc/

