Transilvania University of Braşov, Romania

Study program: Cyber Security

Faculty: Electrical Engineering and Computer Science
Study period: 2 years (master)
Academic year structure: 2 semesters (14 weeks per semester)
Examination sessions (two):   winter session (January/February)
                                   summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No. crt.	Course	Code	1st Semester					2nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Cryptography Fundamentals and Application Scenarios	CS101	2	-	2	-	5					
2.	CyberSecurity of Information Systems and Services	CS102	2	-	2	1	6					
3.	Identity and Access Management in the Virtual Space	CS103	2	-	2	-	5					
4.	Types of Cyberattacks and Threats	CS104	1	-	1	-	4					
5.	Academic ethics and integrity	CS105	1	-	-	-	4					
6.	Practical placement	CS106	-	-	-	10	6					
7.	Management of Cyber Security Incidents	CS207						1	-	1	1	4
8.	Network Security and Perimeter Defence	CS208						2	-	2	-	5
9.	Security of Critical Infrastructures	CS209						1	-	1	-	4
10.	Industrial Control Systems Security	CS210						1	-	2	-	4
11.	Business Process Management	CS211						1	-	-	-	3
12.	Practical placement	CS212						-	-	-	10	6
13.	Secure Programming and Application Security (Optional 1)	CS213						2	-	1	-	4
14.	Secure Web and Internet Technologies (Optional 1)	CS214						2	-	1	-	4

2nd Year

No. crt.	Course	Code	3rd Semester					4th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	IT Forensics	CS301	1	-	1	-	4					
2.	Data mining and data warehousing	CS302	2	-	2	-	5					
3.	Ethical hacking and security audit	CS303	1	-	2	1	4					
4.	Information Assurance and Risk Management	CS304	1	-	-	1	4					
5.	Practical placement	CS305	-	-	-	10	6					
6.	CyberSecurity of Mobile Devices (Optional 1)	CS306	2	-	1	-	4					
7.	Malware analysis (Optional 1)	CS307	2	-	1	-	4					
8.	Enterprise Architecure and Business Performance (Optional 2)	CS308	1	-	-	-	3					
9.	Data Protection and Security Legislation (Optional 2)	CS309	1	-	2	-	3					
10.	Practical placement	CS410						-	-	-	12	10
11.	Practical for dissertation paper preparation	CS411						-	-	-	12	10
12.	Elaboration of dissertation paper	CS412						-	-	-	2	10