"Cybersecurity (18 Months/90 ECTS, Master of Science)"-E-Learning

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
				1st Semester				
1.	Compulsory	Introduction to Cybersecurity	CYS600[1]	N/A	N/A	14	N/A	10
2.	Compulsory	Communications and Network Security	CYS615	N/A	N/A	14	N/A	10
3.	Compulsory	Cryptography	CYS625	N/A	N/A	14	N/A	10
				2nd Semester				
4.	Compulsory	Cybersecurity Policy, Governance, Law and Compliance	CYS630	N/A	N/A	14	N/A	10
5.	Compulsory	Cybersecurity Architecture and Operations	CYS645	N/A	N/A	14	N/A	10
6.	Compulsory	Ethical Hacking and Penetration Testing	CYS655	N/A	N/A	14	N/A	10

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[1] All NEW students must take this course during their first semester

	3rd Semester						
7.	Master Thesis **OR** Research Methods **AND** Two (2) Elective Courses	CSE670 CSE600 ---	N/A	N/A	14	N/A	30

Elective Courses			
1.	CYS660	Threat Intelligence	10
2.	CYS665	Management of Communication and Leadership in Disasters	10
3.	CYS670	Special Cybersecurity Topics	10
4.	CYS675	Cybersecurity Risk Analysis and Management	10
5.	CYS680	Data Privacy in the Era of Data Mining and AI	10
6.	CYS685	Incident Response and Forensic Analysis	10