

## Computer Science MSc (Cybersecurity specialization)

Code	Subject	Subject prerequisite	Lecture (L)	Exam (E)	Practice (Pr)	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-18fkbCGE	<a href="#">Cryptography</a>		2	E				2	1	2+0+0			
IPM-18fkbCGG	<a href="#">Cryptography</a>				2	PG	1	3	1	0+2+1			
IPM-18fkbICSE	<a href="#">Introduction to computer security</a>		2	E				2	1	2+0+0			
IPM-18fkbICSG	<a href="#">Introduction to computer security</a>				2	PG	1	3	1	0+2+1			
IPM-20fIDSEG	<a href="#">Introduction to data science</a>		2	X	2		1	5	1	2+2+1			
IPM-18fkbMCE	<a href="#">Models of computation</a>		2	E				2	1	2+0+0			
IPM-18fkbMCG	<a href="#">Models of computation</a>				2	PG	1	3	1	0+2+1			
IPM-20fSTEG	<a href="#">Software technology</a>		2	X	2	PG	1	5	1	2+2+1			
IPM-20fmiPREPG	Preparation course for master studies and developing learning skills *				3	PG	0	2	1	0+3+0			
IPM-18fkbISME	<a href="#">Information security management</a>		2	E				2	2		2+0+0		
IPM-20fkbISMG	<a href="#">Information security management</a>				2	PG		2	2		0+2+0		
IPM-18fkbNSSE	Network and system security		2	E				2	2		2+0+0		
IPM-18fkbNSSG	Network and system security				2	PG	2	4	2		0+2+2		
IPM-18fkbPYE	<a href="#">Privacy</a>		2	E				2	2		2+0+0		
IPM-18fkbPYG	<a href="#">Privacy</a>				2	PG	2	4	2		0+2+2		
IPM-18fkbSQTE	<a href="#">Software quality and testing</a>		2	E				2	2		2+0+0		
IPM-18fkbSQTG	<a href="#">Software quality and testing</a>				2	PG	1	3	2		0+2+1		
IPM-20fWATEG	<a href="#">Web engineering</a>		2	X	2	PG	1	5	2		2+2+1		

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IPM-18fkbACRE	<a href="#">Advanced cryptography</a>		2	E				2	3			2+0+0	
IPM-18fkbACRG	<a href="#">Advanced cryptography</a>				2	PG	2	4	3			0+2+2	
IPM-18fkbACRPSE	<a href="#">Applied cryptography project seminar</a>		2	E				2	3			2+0+0	
IPM-18fkbACRPSG	<a href="#">Applied cryptography project seminar</a>				2	PG	2	4	3			0+2+2	
IPM-18fkbCRAE	<a href="#">Cryptography and its applications</a>		2	E				2	3			2+0+0	
IPM-18fkbCRAG	<a href="#">Cryptography and its applications</a>				2	PG		2	3			0+2+0	
IPM-18fkbCRPE	<a href="#">Cryptography protocols</a>		2	E				2	3			2+0+0	
IPM-18fkbCRPG	<a href="#">Cryptography protocols</a>				2	PG		2	3			0+2+0	
IPM-20fkbSCLAB1	Cyber Security Lab I.				3	PG	1	4	3			0+3+1	
IPM-20fkbSCLAB2	Cyber Security Lab II.				5	PG	1	6	3			0+5+1	
	Elective courses							9	1,2	5+0+0	4+0+0		
IPM-20fTHCONZ	<b>Thesis consultation</b>						10	30	4				signature
IPM-20fPRG	<b>Internship **</b>							0	2-4				240 hours
	<b>Total credits per semester</b>									30	30	30	30
	<b>Total credits</b>							120					

\* The accomplishment is mandatory for international students. Credits are counted towards elective course credits.

\*\* The requirement of internship is fulfilled by the completion of Cyber Security Lab I&II. courses.

The accomplishment of the following listed courses is mandatory only for EIT students.

Students do not participating in the EIT Digital Master course programme can obtain elective course credits for fulfilling them:

IPM-18fi&EBEG	I&E Basics
IPM-18fi&EBDL1E	Business Development Lab I.
IPM-18fi&EBDL1G	Business Development Lab I.
IPM-18fi&EBDL2E	Business Development Lab II.
IPM-18fi&EBDL2G	Business Development Lab II.
IPM-18fi&EIAOEEG	Innosocial aspects of entrepreneurship
IPM-18fi&ETSSG	Thematic Summer Schools with I&E project
IPM-18fi&ESTEG	I&E Study