

Computer Science MSc (Financial Technology 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-20fpiCSE	Introduction to Computer Security L.		2	E	0		0	2	1	2+0+0			
IPM-20fpiICSG	Introduction to Computer Security Pr.		0		2	PG	1	3	1	0+2+1			
IPM-20fIDSEG	Introduction to Data Science L+Pr.		2	X	2	PG	1	5	1	2+2+1			
IPM-20fpiIFE	Introduction to Finance L.		2	E	0		0	2	1	2+0+0			
IPM-20fpiIFG	Introduction to Finance Pr.		0		2	PG	1	3	1	0+2+1			
IPM-20fpiPAIEG	Principles of artificial intelligence L+Pr.		2	X	2		1	5	1	2+2+1			
IPM-20fSTEG	Software Technology L+Pr.		2	X	2	PG	1	5	1	2+2+1			
IPM-20fmiPREPG	Preparation course for master studies and developing learning skills *		0		3	PG	0	2	1	0+3+0			
IPM-20fpiCISE	Complex information systems L.		2	E	0		0	2	2		2+0+0		
IPM-20fpiCISG	Complex information systems Pr.		0		2	PG	1	3	2		0+2+1		
IPM-20fpiGTEG	Game theory L+Pr.		2	X	2	PG	0	4	2		2+2+0		
IPM-20fpiISME	Information Security Management L.		2	E	0		0	2	2		2+0+0		
IPM-20fpiISMG	Information Security Management Pr.		0		2	PG	1	4	2		0+2+2		
IPM-20fpiMLEG	Machine Learning L+Pr.	IPM-20fIDSEG	2	X	2		1	5	2		2+2+1		
IPM-20fpiSESCE	Service Science L.		2	E	0		0	2	2		2+0+0		
IPM-20fpiSESCG	Service Science Pr.		0		2	PG	1	3	2		0+2+1		
IPM-18fatSZVSAMLEG	Software for Advanced Machine Learning **				2	PG	0	2	1	0+2+0			
IPM-20fWATEG	Web engineering L+Pr.		2	X	2	PG	1	5	2		2+2+1		

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IPM-20fpiAMLEG	Advanced Machine Learning L+Pr.		2	X	2		1	5	3			2+2+1	
IPM-20fpiBIE	Business Intelligence L.		2	E	0		0	2	2			2+0+0	
IPM-20fpiBIG	Business Intelligence Pr.		0		2	PG	1	2	2			0+2+0	
IPM-20fpiACRE	Cryptography L.		2	E	0		0	2	2			2+0+0	
IPM-20fpiACRG	Cryptography Pr.		0		2	PG	1	3	2			0+2+1	
IPM-20fpiDFISE	Development of Financial IT Systems L.		2	E	0		0	2	2			2+0+0	
IPM-20fpiDFISG	Development of Financial IT Systems Pr.		0		2	PG	1	2	2			0+2+0	
IPM-20fpiFTLAB1	Fintech Lab I.		0		4	PG	1	4	3			0+3+1	
IPM-20fpiFTLAB2	Fintech Lab II.		0		4	PG	1	6	3			0+5+1	
IPM-20fTHCONS	Elective courses							7	1,3	5+0+0		2+0+0	
IPM-20fTHCONZ	Thesis consultation						10	30	4				signature
IPM-20fPRG	Internship ***							0	2-4				240 hours
	Total credits per semester									30	30	30	30
	Total credits							120					

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

** This **elective** course familiarizes students with the software background of the 3rd semester course - Advanced Machine Learning.

Registration and accomplishment is strongly recommended.

*** The requirement of internship is fulfilled by the completion of Fintech 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