

Computer Science MSc (Fintech specialization)

Core Courses

Code	Courses	Subject requirement	Lecture (L)	Exam (E)	Practice (Pr)	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-20fSTEG	Software Technology L+Pr.		2	X	2	CA	1	5	1	2+2+1			
IPM-20fIDSEG	Introduction to Data Science L+Pr.		2	X	2	PG	1	5	1	2+2+1			
IPM-20fWATEG	Web engineering L+Pr.		2	X	2	CA	1	5	2		2+2+1		
IPM-20fPRG	Internship					PG		0	3			240/semester	
	Core course credits							15		10	5		

Compulsory Courses of the Specialization

Code	Courses	Subject requirement	Lecture (L)	Exam (E)	Practice (Pr)	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-20fpiICSE	Introduction to Computer Security L.		2	E				2	1	2+0+0			
IPM-20fpiICSG	Introduction to Computer Security Pr.				2	PG	1	3	1	0+2+1			
IPM-20fpiIFE	Introduction to Finance L.		2	E				2	1	2+0+0			
IPM-20fpiIFG	Introduction to Finance Pr.				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-20fpiCISE	Complex information systems L.		2	E				2	2		2+0+0		
IPM-20fpiCISG	Complex information systems Pr.				2	PG	1	3	2		0+2+1		
IPM-20fpiISME	Information Security Management L.		2	E				2	2		2+0+0		
IPM-20fpiISMG	Information Security Management Pr.				2	PG	2	4	2		0+2+2		
IPM-20fpiSESCE	Service Science L.		2	E				2	2		2+0+0		
IPM-20fpiSESCG	Service Science Pr.				2	PG	1	3	2		0+2+1		

IPM-20fpiGTEG	Game theory L+Pr.		2	X	2			4	2		2+2+0		
IPM-20fpiMLEG	Machine Learning L+Pr.	IPM-20fIDSEG	2	X	2		1	5	2		2+2+1		
IPM-20fpiAMLEG	Advanced Machine Learning L+Pr.		2	X	2	PG	1	5	3			2+2+1	
IPM-20fpiBIE	Business Intelligence L.		2	E				2	3			2+0+0	
IPM-20fpiBIG	Business Intelligence Pr.				2	PG		2	3			0+2+0	
IPM-20fpiACRE	Cryptography L.		2	E				2	3			2+0+0	
IPM-20fpiACRG	Cryptography Pr.				2	PG	1	3	3			0+2+1	
IPM-20fpiDFISE	Development of Financial IT Systems L.		2	E				2	3			2+0+0	
IPM-20fpiDFISG	Development of Financial IT Systems Pr.				2	PG		2	3			0+2+0	
IPM-20fpiFTLAB1	Fintech Lab I				3	PG	1	4	3			0+3+1	
IPM-20fpiFTLAB2	Fintech Lab II.				5	PG	1	6	3			0+5+1	
	Optional course							7	1,3	5+0+0		2+0+0	
IPM-20fTHCONS	Thesis consultation							30	4				signature
	Total number of credits in a semester									30	30	30	30
	Total number of credits							120					

CA: Practice with continuous assessment