

Computer Science MSc (Software Architecture Specialization 2020)														
Core Courses														
Code	Courses	Subject requirement	Lecture (L)	Exam (E)	Labor	Practice (Pr)	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester
IPM-20fIDSEG	Intorduction to Data Science		2	X	2	0		1	5	1	2+2+0+1			
IPM-20fSTEG	Software Technology		2	X	0	2	CA	1	5	1	2+0+2+1			
IPM-20fWATEG	Web engineering*		2	X	2	0	CA	1	5	2		2+2+0+1		
IPM-20fPRG	Internship								0	2-4				240 hours
	Core course credits								15		10	5		
Obligatory courses														
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IPM-18feszMDEG	Interactive media design and development		2	X	2	0	PG	1	5	1	2+2+0+1			
IPM-18feszMCE	Models of Computation*		2	E	0	0		0	2	1	2+0+0+0			
IPM-18feszMCG	Models of Computation*		0		0	2	PG	1	3	1	0+0+2+1			
IPM-18feszTPE	Theory of programming		2	E	0	0		0	2	1	2+0+0+0			
IPM-18feszTPG	Theory of programming		0		0	2	PG	1	3	1	0+0+2+1			

IPM-18feszCISE	Complex information systems		2	E	0	0		0	2	2		2+0+0+0		
IPM-18feszCISG	Complex information systems		0		2	0	PG	1	3	2		0+2+0+1		
IPM-18feszFSE	Formal semantics*		2	E	0	0		0	3	2		2+0+0+0		
IPM-18feszFUNLEG	Functional Languages*		2	X	2	0		1	5	2		2+2+0+1		
IPM-18feszSQTE	Software quality and testing		2	E	0	0		0	2	2		2+0+0+0		
IPM-18feszSQTG	Software quality and testing		0		2	0	PG	1	3	2		0+2+0+1		
IPM-18feszSESCE	Service Science		2	E	0	0		0	2	2		2+0+0+0		
IPM-18feszSESCG	Service Science		0		2	0	PG	1	3	2		0+2+0+1		
IPM-18feszAJPE	Advanced Java programming		2	E	0	0		0	2	3			2+0+0+0	
IPM-18feszAJPG	Advanced Java programming		0		2	0	PG	1	3	3			0+2+0+1	
IPM-18feszADSEG	Analysis of distributed systems		2	X	0	2	PG	1	5	3			2+0+2+1	
IPM-18feszDDSE	Design of distributed systems		2	E	0	0		0	2	3			2+0+0+0	
IPM-18feszDDSG	Design of distributed systems		0		2	0	PG	1	3	3			0+2+0+1	
IPM-20feszSALAB1	Software Architecture Lab I.		0		3	0	PG	1	4	3			0+3+0+1	
IPM-20feszSALAB2	Software Architecture Lab II.*		0		5	0	PG	1	6	3			0+5+0+1	
IPM-18feszSEAPE	Scalable enterprise applications		2	E	0	0		0	2	3			2+0+0+0	
IPM-18feszSEAPG	Scalable enterprise applications		0		2	0	PG	1	3	3			0+2+0+1	
	Obligatory course credits								68					
	Optional course*								7	1,2	5+0+0*	2+0+0*		
IPM-20fTHCONS	Thesis consultation						PG	10	30	4				signature
	Summa credit in semester										30	30	30	30
	Summa credit								120					
	I&E modul													
IPM-18fi&EBEG	I&E Basics		2	X	0	2	PG	1	5	1	2+0+2+1			
IPM-18fi&EBDL1E	Business Development Lab I.		2	E	0	0		0	2	1	2+0+0+0			
IPM-18fi&EBDL1G	Business Development Lab I.		0		0	2	PG	1	3	1	0+0+2+1			
IPM-18fi&EBDL2E	Business Development Lab II.		2	E	0	0		0	2	2		2+0+0+0		
IPM-18fi&EBDL2G	Business Development Lab II.		0		0	2	PG	1	3	2		0+0+2+1		
IPM-18fi&EIAOEEG	Innosocial aspects of entrepreneurship		2	X	0	2	PG	1	5	2		2+0+2+1		
IPM-18fi&ETSSG	Thematic Summer Schools with I&E project		0		0	4	PG	0	4	2		0+0+4+0		
IPM-18fi&ESTEG	I&E Study		2	X	0	2	PG	2	6	3			2+0+2+2	
	Summa credit in semester										30	30	30	30

	Summa credit								120				
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- Az EIT-es hallgatók a képzés első évében az I&E modult végzik. A szakirányra jelentkező hallgatók külön engedélyek vehetik fel az I&E modult a *-gal megjeölt tárgyak kiváltása mellett.
- A hallgatók a Software Architecture Lab I.és II. teljesítésével kiváltják a szakmai gyakorlatot.
- Az EIT-s hallgatók az utolsó félévükben végzik a szakmai gyakorlatot a diplomamunka készítésével párhuzamosan

- The EIT students are doing the Innovation&Entrepreneurshop (I&E) module in their first year of studies. Students applying to this major may be allowed to take the I&E module in exchange of *-marked courses
- Computer Science Master course students with Artificial Intelligence specialization are entitled to fulfill the requirements of the internship by the completion of Software Architecture Lab I. and Lab II. courses
- EIT students fulfill the requirements of the internship and complete their thesis work (parallely), in the last semester of their academic studies.

CA: Practice with continuous assessment
