

Computer Science MSc (Data Science 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-18fatDSEG	Intorduction to Data Science		2	X	2		1	5	1	2+2+1			
IPM-18fatIMDEG	Interactive media design and development*		2	X	2	PG	1	5	1	2+2+1			
IPM-18fatFDSE	Foundations of Data Science		2	E				2	1	2+0+0			
IPM-18fatFDSG	Foundations of Data Science				2	PG		2	1	0+2+0			
IPM-18fatSTEG	Software Technology*		2	X	2	CA	1	5	1	2+2+1			
IPM-18fatTPE	Theory of programming*		2	E				2	1	2+0+0			
IPM-18fatTPG	Theory of programming*				2	PG	1	3	1	0+2+1			
IPM-18fatCISE	Complex information systems*		2	E				2	2		2+0+0		
IPM-18fatCISG	Complex information systems*				2	PG	1	3	2		0+2+1		
IPM-18fatDMDBE	Data models and databases		2	E				2	2		2+0+0		
IPM-18fatDMDBG	Data models and databases				2	PG		2	2		0+2+0		
IPM-18fatMLEG	Machine Learning	IPM-18fatDSEG	2	X	2		1	5	2		2+2+1		
IPM-18fatODSEG	Optimization for Data Science		2	X	2	PG	1	5	2		2+2+1		
IPM-18fatWATE	Web engineering*		2	E				2	2		2+0+0		
IPM-18fatWATG	Web engineering*				2	CA	1	3	2		0+2+1		
IPM-18fatSZT1L	Lab I.	IPM-18fatDSEG			4	PG	1	5	3		0+4+1		
IPM-18fatAMLEG	Advanced Machine Learning		2	X	2		1	5	3			2+2+1	
IPM-18fatSZT2L	Lab II.				4	PG	1	5	3			0+4+1	
IPM-18fatNSEG	Network Science		2	X	2		1	5	3			2+2+1	
IPM-18fatOSTEG	Open-source Technologies for Real-time Data Analytics		2	X	2		1	5	3			2+2+1	
IPM-18fatSDAEG	Sensor Data Analytics		2	X	2		1	5	3			2+2+1	
IPM-18fatSMEG	Stream Mining		2	X	2		1	5	3			2+2+1	
	Optional course							7	1	7+0+0			signature
	Thesis consultation				5	PG	10	30	4				30
	Summa credit in semester									31	29	30	
	Summa credit							120					

	I&E modul												
IPM-18fi&EBEG	<u>I&E Basics</u>		2	X	2	PG	1	5	1	2+2+1			
IPM-18fi&EBDL1E	Business Development Lab I.		2	E				2	1	2+0+0			
IPM-18fi&EBDL1G	Business Development Lab I.				2	PG	1	3	1	0+2+1			
IPM-18fi&ESTEG	I&E Study		2	X	2	PG	1	6	1	2+2+2			
IPM-18fi&EBDL2E	Business Development Lab II.		2	E				2	2		2+0+0		
IPM-18fi&EBDL2G	Business Development Lab II.				2	PG	1	3	2		0+2+1		
IPM-18fi&MSTEEG	I&E Management skills for tech entrepreneurs		2	X	2	PG	1	5	2		2+2+1		
IPM-18fi&ETSSG	Thematic Summer Schools with I&E project				4	PG		4	2		0+4+0		30
	Summa credit in semester									27	33	30	
	Summa credit							120					

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

The EIT students are doing the Innovation&Entrepreneurship (I&E) module in their first year of studies. Students applying to this major may be allowed to take the I&E

CA: Practice with continuous assessment