

Computer Science BSc 2018 (in English, for Foreign students)

Spring semester

Code	Course	Előfeltétel 1	Lecture (L)	Exam €	Practice (Pr)	Labor	Practice Grade (PG)	Consultation	Credit	Semester	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester
IP-18fSZGREG	Computer systems		2	X	0	2	CA	1	5	1	2+0+2+1					
IP-18fPROGEG	Programming		2	X	0	3	CA	1	6	1	2+0+3+1					
IP-18fIMPROGEG	Imperative programming		2	X	0	3	CA	0	5	1	2+0+3+0					
IP-18FUNPEG	Functional programming		2	E	0	2		1	5	1	2+0+2+1					
IP-18fMATAG	Basic Mathematics		0		4	0	PG	0	4	1	0+4+0+0					
IP-18fTMKG	Learning Methodology		0		1	0	PG	0	1	1	0+1+0+0					
IP-18fIVMEG	Business fundamentals		1	X	2	0	PG	0	3	1	1+2+0+0					
IP-18fPNYEG	Programming languages	IP-18fIMPROGEG	2	X	0	2	CA	2	6	2		2+0+2+2				
IP-18fOEPROGEG	Object-oriented programming	IP-18fPROGEG	2	X	0	3	CA	1	6	3			2+0+3+1			
IP-18fWF1EG	Web development	IP-18fSZGREG (weak)	1	X	0	2	CA	0	3	2		1+0+2+0				
IP-18fAA1E	Algorithms and data structures I	IP-18fAA1G (weak)	2	E	0	0		0	2	2		2+0+0+0				
IP-18fAA1G	Algorithms and data structures I	IP-18fMATAG, IP-18fPROGEG	0		2	0	PG	1	3	2		0+2+0+1				

IP-18fDM1E	Discrete mathematics I	IP-18fDM1G (weak)	2	E	0	0		0	2	2		2+0+0+0				
IP-18fDM1G	Discrete mathematics I	IP-18fMATAG	0		2	0	CA	1	3	2		0+2+0+1				
IP-18fAN1E	Analysis I	IP-18fAN1G (weak)	2	E	0	0		0	2	2		2+0+0+0				
IP-18fAN1G	Analysis I	IP-18fMATAG	0		2	0	PG	1	3	2		0+2+0+1				
IP-18fAA2E	Algorithms and data structures II	IP-18fAA2G (weak)	2	E	0	0		0	2	3			2+0+0+0			
IP-18fAA2G	Algorithms and data structures II	IP-18fAA1E	0		2	0	PG	1	3	3			0+2+0+1			
IP-18fWPEG	Web programming	IP-18fWF1EG	1		0	2	CA	1	4	4				1+0+2+1		
IP-18fPROGTEG	Programming technology	IP-18fOEPROGEG	2		0	2	CA	1	5	4				2+0+2+1		
IP-18fAN2E	Analysis II	IP-18fAN2G (weak)	2	E	0	0		0	2	3			2+0+0+0			
IP-18fAN2G	Analysis II	IP-18fAN1E	0		2	0	PG	1	3	3			0+2+0+1			
IP-18fDMAG	Application of discrete models	IP-18fDM1E	0		0	2	PG	1	3	4				0+0+2+1		
IP-18fOPREG	Operating systems	IP-18fSZGREG	1	X	0	1	PG	1	3	5					1++0+1+1	
IP-18fAB1E	Databases I	IP-18fAB1G (weak)	2	E	0	0		0	2	5					2+0+0+0	
IP-18fAB1G	Databases I	IP-18fAA1E	0		0	2	PG	0	2	5					0+0+2+0	
IP-18fSZTEG	Software technology	IP-18fPROGTEG	2		0	2	CA	1	5	5					2+0+2+1	
IP-18fSZA1E	Fundamentals of theory of computation I	IP-18fSZA1G (weak)	2	E	0	0		0	2	5					2+0+0+0	
IP-18fSZA1G	Fundamentals of theory of computation I	IP-18fDM1E	0		2	0	PG	1	3	5					0+2+0+1	

IP-18fNM1E	Numerical methods	IP-18fNM1G (weak)	2	E	0	0		0	2	5					2+0+0+0		
IP-18fNM1G	Numerical methods	IP-18fAN2E	0		2	0	PG	1	3	5					0+2+0+1		
IP-18fKPROGEG	Concurrent programming	IP-18fPNYEG	1		0	1	CA	1	3	4				1+0+1+1			
IP-18fTKHE	Telecommunication networks	IP-18fTKHG (weak)	2	E	0	0		0	2	4				2+0+0+0			
IP-18fTKHG	Telecommunication networks	IP-18fOEPROGEG			0	2	PG	1	3	4				0+0+2+1			
IP-18fMIAE	Artificial intelligence	IP-18fAA2E (weak)	2	E	0	0		1	3	4				2+0+0+1			
IP-18fAB2E	Databases II	IP-18fAB2G	2	E	0	0		0	2	6					2+0+0+0		
IP-18fAB2G	Databases II	IP-18fAB1E	0		0	2	PG	1	3	6					0+0+2+1		
IP-18fSZA2E	Fundamentals of theory of computation II	IP-18fSZA2G (weak)	2	E	0	0		0	2	6					2+0+0+0		
IP-18fSZA2G	Fundamentals of theory of computation II	IP-18fSZA1E	0		2	0	PG	1	3	6					0+2+0+1		
IP-18fVSZG	Probability and statistics	IP-18fAN2E	0		0	2	PG	1	3	4				0+0+2+1			
	Obligatory in semester								127			29	24	16	26	22	10
	Electives:																
IP-18fKVKRBE	Cryptography and security	IP-18fKVCRBG (weak)	2	E	0	0		0	2	3,5			2+0+0+0		2+0+0+0		
IP-18fKVCRBG	Cryptography and security	IP-18fDM1E	0		0	2	PG	1	3	3,5			0+0+2+1		0+0+2+1		
IP-18fKVBGTE	Introduction to machine learning	IP-18fMATAG	2	E	0	0		1	3	4				2+0+0+1		2+0+0+1	
IP-18fKVPREE	Programming theory	IP-18fKVFPG (weak)	2	E	0	0		0	2	3,4,5			2+0+0+0	2+0+0+0	2+0+0+0	2+0+0+0	
IP-18fKVPREG	Programming theory	IP-18fMATAG	0		2	0	PG	1	3	3,4,5			0+2+0+1	0+2+0+1	0+2+0+1	0+2+0+1	
IP-18KVPRJG	Tools of software projects	IP-18fPNYEG	0		2	0	CA	1	3	4				0+2+0+1		0+2+0+1	

IP-18fKVFPE	Compilers	IP-18fKVFP (weak)	2	E	0	0		1	3	4				2+0+0+1		2+0+0+1
IP-18fKVFP	Compilers	IP-18fOEPROGEG	0		0	2	PG	0	2	4				0+0+2+0		0+0+2+0
IP-18fKVADA	ADA	IP-18fOEPROGEG	2	X	0	2	PG	1	5	4,5,6				2+0+2+1	2+0+2+1	2+0+2+1
IP-18KVPYEG	Python		2	E	0	2		1	5	3,4,5,6			2+0+2+1	2+0+2+1	2+0+2+1	2+0+2+1
IP-18KVIADSE	Applied Data Science		2	E	0	0		0	2	3,5				2+0+0+0		2+0+0+0
	Erasmus credits								20						20	
	Electives in semester								23				10	5	8	0
	Obligatorys+Electives in semester								150		29	24	26	31	30	0
	Optional course								10			6	4			0
IP-18FSZD	Diploma work consultations								20							20
	Summa credit in semester										29	30	30	31	30	30
	Summa credit								180							

CA: Practice with continuous assessment