

**MSc in Business Informatics full time**  
from 2023/2024 academic year  
with hours per semester (lec, sem., lab.); requirements (req); credits (cr)

Code	Responsible faculty	Course name	Lecturer responsible	semes ter hours	credits	Semesters																				Prerequisite	
						1.					2.					3.					4.						
						lec	sem	lab	req	cr	lec	sem	lab	req	cr	lec	sem	lab	req	cr	lec	sem	lab	req	cr		
Natural sciences and humanities				18-30	22	26	6	6	0	0	14	1	2	0	0	4	0	0	0	0	0	3	0	4	0	8	
1	NMXTS1EMNF	N	Multivariate statistical methods*	Péter KÁRASZ, PhD	4	4	2	2	0	e	4																
2	NBXUI1EMNF	N	Business and informatic strategy	Kornélia LAZÁNYI, PhD	4	5	2	2	0	e	5																
3	GSXUG1EMNF	G	Business economics	Péter SZIKORA, PhD	4	5	2	2	0	m	5																
4	GMXOK1EMNF	G	Operations research*	Viktor NAGY, PhD	3	4						1	2	0	e	4											
5	NKXVD1EMNF	N	Management decision support systems	Anikó ALMASI, PhD	4	4															2	0	2	m	4		
6	GIXSC1EMNF	G	Managerial economics, accounting and controlling	Ferenc KATONA, PhD	3	4															1	0	2	e	4		
Business informatics core curriculum				20-25	19	23	3	0	5	0	10	5	0	2	0	8	2	0	2	0	5	0	0	0	0	0	
7	NBxBK1EMNF	N	Introduction to cybersecurity	Valéria PÓSER, PhD	4	5	2	0	2	e	5																
8	GIXPP1EMNF	G	Solution of programming problems	Péter SZIKORA, PhD	4	5	1	0	3	m	5																
9	NKXAB1EMNF	N	Database- and Big Data technologies*	Rita FLEINER, PhD, habil	4	5											2	0	2	m	5						
10	NKXNT1EMNF	N	Network Technologies	Eszter BALÁZSNÉ KAIL, PhD	4	4						2	0	2	e	4											
11	NKXSA1EMNF	N	Computer architectures	Dezso SIMA, Prof. PhD	3	4						3	0	0	e	4											
Fin Tech specialisation				25-50	22	31	0	0	0	0	0	4	0	6	0	13	3	2	4	0	14	1	0	2	0	4	
12	GMXUR1EMNF	G	Business intelligence systems	Andrea TICK, PhD	3	5						1	0	2	m	5											
13	NKXCB1EMNF	N	Cloud-based IoT and Big Data platforms	Róbert LOVAS, Prof, PhD	4	4						2	0	2	m	4											
14	NKXPT1EMNF	N	Financial technologies	Enikő NAGY, PhD, habil	3	4						1	0	2	m	4											
15	GGXVK1EMNF	G	Corporate finances and financial services	János VARGA	3	5											1	2	0	m	5						
16	NBXR1EMNF	N	Billing systems	Kornélia LAZÁNYI, PhD	3	5											1	0	2	m	5						
17	NBXP0EMNF	N	Introduction to blockchain programming	Kornélia LAZÁNYI, PhD	3	4											1	0	2	m	4						
18	GIXUS1EMNF	G	Business process management with simulations	Andrea TICK, PhD	3	4															1	0	2	m	4		
Electives					6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	8	
19	G		Elective 1.		3	4															1	2	0	m	4		
20	G		Elective 2.		3	4															1	2	0	m	4		
Criteria courses					3	2	0	1	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	
21	OTTPH1EMNF	T	Physical Training I.	Ákos HIERVARTER	1	1						0	1	0	t	1											
22	OTTPH2EMNF	T	Physical Training II.	Ákos HIERVARTER	1	1											0	1	0	t	1						
23	NDIPT1EMNF	N	Mentoring	Johanna SAPI, PhD, habil	1	0	0	1	0	s	0																
Thesis work					0	30	0	0	0	0	5	0	0	0	0	5	0	0	0	0	10	0	0	0	0	10	
24	NDDDP1EMNF	N	Thesis work I.	Kornélia LAZÁNYI, PhD	0	5				m	5																
25	NDDDP2EMNF	N	Thesis work II.	Kornélia LAZÁNYI, PhD	0	5									m	5											NDDDP1EMNF
26	NDDDP3EMNF	N	Thesis work III.	Kornélia LAZÁNYI, PhD	0	10														m	10						NDDDP2EMNF
27	NDDDP4EMNF	N	Thesis work IV.	Kornélia LAZÁNYI, PhD	0	10																		m	10		NDDDP3EMNF
Alltogether					72	120	9	7	5	0	29	10	3	8	0	31	5	3	6	0	30	6	4	6	0	30	
			Midterm mark (m)							3					4					5					5		
			Exam (e)							3					3					0					1		
			Signature (s)							1					0					0					0		
			Alltogether							21	7				21	7				14	5				16	6	

Final exam	Total credits 26
FinTech	13
Billing systems	5
Introduction to blockchain programming	4
Financial technologies	4

Business Infromatics	13
Business and informatic strategy	5
Business process management with simulations	4
Systems supporting managerial decisions	4