

## MSc Business Informatics

**Name of degree programme:** Business Informatics MSc

**Academic level of degree:** Masters

**Qualification obtained:** Business Informatics

**Duration of degree programme:** 4 semesters

**Necessary no. credits for degree:** 120 credits

**Curriculum** (beginning in **Autumn** semester)

*(For description of courses please click course code)*

### Compulsory courses:

	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type	credit points	semester
1	GKNM_INTA058	IT Project Management	2	2	v	4	1
2	GKNM_INTA061	Enterprise Resource Planning	0	4	v	6	1
3	GKNM_MSTA002	Theory of Algorithms	2	2	v	5	1
4	GKNM_MSTA025	Data Analysis	4	0	v	4	1
5	KGNM_MMTA014	Advanced Strategic Management	2	0	v	4	1
6	KGNM_MMTA062	Simulations for Business Decision Making	1	2	v	4	1
7	GKNM_INTA059	Knowledge Base Technologies and Planning	2	2	v	4	2
8	GKNM_INTA064	Modern Technologies of System Development	2	0	v	3	2

9	GKNM_INTA065	ERP Implementation Methodology	3	0	v	4	2
10	KGNM_GETA010	Managerial accounting	2	2	v	4	2
11	KGNM_GETA015	Management Control	2	0	v	4	2
12	KGNM_GETA025	Advanced Corporate Finance	0	2	v	4	2
13	KGNM_MMTA012	Process Management	2	0	v	4	2
14	GKNM_INTA098	Thesis Consultation I. ( Master Programme)	0	0	f	15	3
15	GKNM_INTA099	Thesis Consultation II. ( Master Programme)	0	0	f	15	4

### Hungarian Language (compulsory)

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type *	credit points
1	<u>KGNB_NOKA036</u>	Hungarian Language & Culture 1	0	3	a	0
2	<u>KGNB_NOKA037</u>	Hungarian Language & Culture 2	0	3	a	0

### Differentiated professional courses

**30 credit points** should be obtained from this group of courses.

Nr.	Neptun code of course	Name of course	lessons / week		seminars / week	assessment type *	credit points
1	AKNM_NKTA018	Intercultural Manager Communication	2	2	0	v	6
2	GKNM_INTA055	Formal Languages and Automata	4	0	0	v	4

3	GKNM_INTA057	System and Software Testing	2	2	0	v	4
4	GKNM_INTA060	Optimization of Discrete Systems	2	2	0	v	4
5	GKNM_INTA063	Translation Programs	2	2	0	v	4
6	GKNM_INTA067	Computational Intelligence	2	2	0	v	5
7	GKNM_INTA068	Software Examination	3	0	0	v	4
8	GKNM_INTA069	Introduction to Bioinformatics	3	0	0	v	4
9	GKNM_INTA071	Document Management Systems	2	0	0	v	3
10	GKNM_INTA072	Data Mining	2	1	0	v	4
11	GKNM_INTA070	Complexity Theory	3	0	0	v	4
12	GKNM_MSTA003	Numerical Analysis	2	2	0	v	5
13	GKNM_MSTA024	Stochastic processes	2	2	0	v	4
14	GKNM_TATA046	Information security	2	0	2	v	5
15	GKNM_TATA048	Internet of Things	3	0	1	v	5
16	GKNM_TATA051	Cloud-computing	2	0	2	f	5
17	KGNM_GETA019	Research Methodology	0	2	0	v	4
18	KGNM_NETA025	Business Planning and Controlling	1	2	0	v	5
19	KGNM_VKTA003	Leadership and Organizational Communication	2	2	0	v	5
20	KGNM_VKTA005	Management Competencies	2	2	0	f	5

### Free optional courses

**6 credit points** should be obtained from this group of courses.

Nr.	Neptun code of course	Name of course	lessons / week		seminars / week	assessment type *	credit points
1	GKNM_FKTA012	Nanoelectronics	2	0	0	v	3
2	GKNM_FKTA013	Theory and Techniques of Measurement	2	2	0	v	5
3	GKNM_FKTA035	Nuclear Technology	2	0	0	v	2
4	GKNM_MGTA021	Risk Analysis	2	0	0	f	5
5	KGNB_NOKM022	Exchange Course 2.	0	0	0	f	3
6	AKNM_SSTA131	Sociology of the consumption society	1	1	0	v	4
7	KGNM_MMTA083	Business Competence Training	0	4	0	f	5
8	KGNM_MMTA077	Marketing Strategy	2	2	0	v	6
9	KGNM_MMTA027	International and Intercultural Marketing	1	2	0	v	5
10	KGNM_MMTA020	Media Knowledge and Public Relations Planning	2	2	0	v	6
11	KGNM_MMTA079	Advanced Human Resource Management	2	2	0	v	6

**\* type of assessment**

f - evaluation based on student's performance and work during the semester

v - evaluation based on student's exam grade in a 5-grade system:

excellent (5) – good (4) – satisfactory (3) – passed (2) – fail (1)

**Programme supervisor:** Dr Ferenc Erdős



**Link to the supervisor's CV:**

[https://admissions.sze.hu/images/cv/%C3%96n%C3%A9letrajz%2013\\_GI%20szakvezet%C5%91i\\_angol.pdf](https://admissions.sze.hu/images/cv/%C3%96n%C3%A9letrajz%2013_GI%20szakvezet%C5%91i_angol.pdf)

Details of **thesis** and **final exams** on: <https://it.sze.hu/images/Business%20Informatics.pdf>

Information about **admission procedure**: <http://admissions.sze.hu/>