



Business Informatics MSc curriculum – 2021

**Debrecen
2024/2025.**

BUSINESS INFORMATICS MSc CURRICULUM

Qualification requirements

General requirements of the diploma are regulated by The Rules and Regulations of The University of Debrecen.

Work and Fire Safety and Physical Education

The courses of „Work and Fire Safety” and „Physical Education” are worth 1 - 1 credit, which must be completed in excess of the number of credits required for the diploma as specified in the training and outcome requirements of the degree.

Diploma credit requirements:

Natural Science and Economic:	20 credits
Business Informatics Knowledge:	24 credits
Special subjects:	40 credits
Compulsory topics:	28 credits
Optional topics:	12 credits
Professional Training:	9 credits
Thesis work:	30 credits
Free choice:	6 credits
Total	120 credits
Work and Fire Safety Training:	1 credit
Physical Education (1 semester):	1 credit

Natural Science and Economic – needed 20 credits

Code	Subject name	Credit	Type and number			Asses- ment	Prerequisites	Period	Semes- ter
			lec.	practice					
				sem.	lab				
INMGA0101-17 INMGA0101E INMGA0101L	Advanced methodology	6	2		2	E S			1
INMGA0102-17 INMGA0102E	Managerial economics	3	2			E			1
INMGA0207-17 INMGA0207L	Artificial Intelligence in planning and decisionmaking	3			2	PM			2
INMGA0208-17 INMGA0208E INMGA0208G	Managerial Accounting and Controlling	4	1	2		PM			2
INMGA0416-17 INMGA0416E INMGA0416G	Marketing Management	4	1	2		PM			4

Business Informatics Knowledge – needed 24 credits

Code	Subject name	Credit	Type and number			Assessment	Prerequisites	Period	Semester
			lec.	practice					
				sem.	lab				
INMGA0209-17 INMGA0209E	IT service management	3	2			E		2	
INMGA0210-17 INMGA0210L	Software engineering and software development	6			4	PM		2	
INMGA0211-17 INMGA0211E INMGA0211L	Enterprise architecture	6	2		2	E S		2	
INMGA0212-17 INMGA0212E	Supply chains and value production management	3	2			E		2	
INMGA0314-17 INMGA0314L	Web content management	3			2	PM		3	
INMGA0417-17 INMGA0417E	Software Engineering Principles	3	2			E	INMGA0210-17	4	

Special subjects, Compulsory topics – needed 28 credits

Code	Subject name	Credit	Type and number			Assessment	Prerequisites	Period	Semester
			lec.	practice					
				sem.	lab				
INMGA0103-17 INMGA0103E INMGA0103G	Models of modern finance	6	2	2		PM		1	
INMGA0104-17 INMGA0104L	Programming of the SAP enterprise resource planning system (ABAP)	3			2	PM		1	
INMGA0105-17 INMGA0105E INMGA0105L	Machine learning for business informatics	4	1		2	PM		1	
INMGA0106-17 INMGA0106L	Data preparation	3			2	PM		1	
INMGA0213-17 INMGA0213L	SAP system administration	3			2	PM		2	
INMGA0315-17 INMGA0315E INMGA0315L	Data mining	6	2		2	E S		3	
INMGA0418-17 INMGA0418E	Global Corporate Strategies	3	2			E		4	

Special subjects, Optional topics – needed 12 credits

Code	Subject name	Credit	Type and number			Assessment	Prerequisites	Period	Semester
			lec.	practice					
				sem.	lab				
INMGA9921-17 INMGA9921L	Knowledge of programming	3			2	PM			1
INMGA9922-17 INMGA9922E	Corporate Security	3	2			E			2
INMGA9923-17 INMGA9923L	Modelling of database systems	3			2	PM			2
INMGA9924-17 INMGA9924E INMGA9924G	International Management	6	2	2		E S			3
INMGA9925-17 INMGA9925L	Applied Analytics	3			2	PM	INMGM0106-17		3
INMGA9926-17 INMGA9926L	Computational optimization	3			2	PM	INMGM0101-17		3
INMGA9927-17 INMGA9927L	Financial mathematical models	3			2	PM			3
INMGA9997-21 INMGA9997G	Professional Training	9				PM			3
INMGA9928-17 INMGA9928G	Information market economics	3		2		PM			4
INMGA9929-17 INMGA9929E	Business law	3	2			E			4
INMGA9930-17 INMGA9930L	Advanced data visualization	3			2	PM			4

Thesis work – needed 30 credits

Code	Subject name	Credit	Type and number			Assessment	Prerequisites	Period	Semester
			lec.	practice					
				sem.	lab				
INMGA0319-17 INMGA0319L	Thesis 1	15			10	PM			3
INMGA0420-17 INMGA0420L	Thesis 2	15			10	PM			4

Free choice – needed 6 credits

Code	Subject name	Credit	Type and number			Assessment	Prerequisites	Period	Semester
			lec.	practice					
				sem.	lab				

Exam types: E exam
S signature
PM practical mark