

COURSE STRUCTURE

2025-11035 Information systems in management (EN) Master

1					
No	Course code	Title	Th	Pr	Ects
1	AZD 501	Academic writing and ethics	3	0+0	6
2	CENG 531	Computer networks and cybersecurity	2	1+0	6
3	CENG 503	Modern data structures and algorithms	2	1+0	6
4	XXX XXX	[AE] Area Elective Course I #1	2	1+0	6
5	XXX XXX	[AE] Area elective course II #2	2	1+0	6
Subtotal: 30					

2					
No	Course code	Title	Th	Pr	Ects
1	ISM 532	Modern software engineering	2	1+0	6
2	ISM 637	Artificial intelligence and machine learning applications	2	1+0	6
3	ISM 546	Research methods	2	1+0	6
4	XXX XXX	[AE] Area Elective Course III #3	2	1+0	6
5	XXX XXX	[AE] Area elective course IV #4	2	1+0	6
Subtotal: 30					

3

№	Course code	Title	Th	Pr	Ects
1	CENG 504	Cloud computing and virtualization	2	1+0	6
2	ISM 641	Research analytics	2	1+0	6
3	ISM 639	Data science and Big data technologies	2	1+0	6
4	XXX XXX	[AE] Area Elective Course V #5	2	1+0	6
5	XXX XXX	[AE] Area elective course VI #6	2	1+0	6

Subtotal: 30

4

№	Course code	Title	Th	Pr	Ects
1	ISM 670	Pedagogical Study	0	0+0	6
2	ISM 690	Master's thesis	0	0+0	18
3	ISM 680	Research Study	0	0+0	6

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	ISM 573	Corporate management information systems	2	1+0	6
2	ISM 575	Corporate information systems	2	1+0	6
3	CENG 611	Blockchain technologies	2	1+0	6
4	ISM 577	E-commerce and digital marketing	2	1+0	6
5	ISM 534	Automated information processing and management systems	2	1+0	6
6	ISM 536	Economic information systems	2	1+0	6
7	ISM 538	Project Management Fundamentals	2	1+0	6
8	ISM 544	Ethical and legal aspects in IT projects	2	1+0	6
9	ISM 645	Mathematical and algorithmic solutions in management	2	1+0	6
10	ISM 643	Mathematical modeling and optimization methods in management	2	1+0	6
11	CENG 637	Decision-making under uncertainty and risk	2	1+0	6

