

COURSE STRUCTURE

2025-11165 Cloud and network infrastructure (AZ) Master

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	KMÜH 503	Modern data structures and algorithms	2	1+0	6	1	KMÜH 518	Research methods	2	1+0	6
2	AZD 501	Academic writing and ethics	3	0+0	6	2	KMÜH 504	Cloud computing and virtualization	2	1+0	6
3	KMÜH 501	Modern network technologies	2	1+0	6	3	KMÜH 502	Cybersecurity in systems and networks	2	1+0	6
4	XXX XXX	[AE] Area elective course I #1	2	1+0	6	4	XXX XXX	[AE] Area elective course II #3	2	1+0	6
5	XXX XXX	[AE] Area elective course I #2	2	1+0	6	5	XXX XXX	[AE] Area elective course III #4	2	1+0	6
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	KMÜH 605	Distributed systems and DevOps	2	1+0	6
2	KMÜH 601	Research analytics	2	1+0	6
3	İİS 637	Artificial intelligence and machine learning applications	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

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

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	KMÜH 507	Cloud computing basics	2	1+0	6
2	KMÜH 505	Modern information and computing systems	2	1+0	6
3	KMÜH 517	Edge and fog computing technologies	2	1+0	6
4	KMÜH 511	Internet of Things (IoT) technologies	2	1+0	6
5	KMÜH 508	NGN networks	2	1+0	6
6	KMÜH 506	VLSI projects and FPGA Systems	2	1+0	6
7	KMÜH 510	Cloud and network security	2	1+0	6
8	KMÜH 512	Cryptography and key management in the cloud	2	1+0	6
9	KMÜH 607	Distributed computer networks	2	1+0	6

