

COURSE STRUCTURE

2025-11163 Computer and network security (AZ) Master

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	KMÜH 521	Operating system security	2	1+0	6	1	KMÜH 522	Security in distributed information systems	2	1+0	6
2	KMÜH 519	Modern information security technologies	2	1+0	6	2	KMÜH 520	Modern network security technologies	2	1+0	6
3	AZD 501	Academic writing and ethics	3	0+0	6	3	KMÜH 518	Research methods	2	1+0	6
4	XXX XXX	[AE] Area elective course I #1	2	1+0	6	4	XXX XXX	[AE] Area elective course III #3	2	1+0	6
5	XXX XXX	[AE] Area elective course II #2	2	1+0	6	5	XXX XXX	[AE] Area elective course IV #4	2	1+0	6
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	KMÜH 619	Applied cryptography and cryptanalysis	2	1+0	6
2	KMÜH 617	Artificial intelligence and machine learning in cybersecurity	2	1+0	6
3	KMÜH 601	Research analytics	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 680	Research Study	0	0+0	6
2	KMÜH 670	Pedagogical Study	0	0+0	6
3	KMÜH 690	Master's thesis	0	0+0	18

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	KMÜH 523	Attack detection and defense systems	2	1+0	6
2	KMÜH 525	Digital forensics and incident management	2	1+0	6
3	KMÜH 527	Ethical hacking and vulnerability detection	2	1+0	6
4	KMÜH 529	Detection and analysis of malicious programs	2	1+0	6
5	KMÜH 526	Social network analysis and security	2	1+0	6
6	KMÜH 524	Cloud technology security	2	1+0	6
7	KMÜH 530	Security of mobile and wireless networks	2	1+0	6
8	KMÜH 532	IoT and industrial systems security	2	1+0	6

