

COURSE STRUCTURE

2025-10502 Communication systems engineering (AZ) Bachelor

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	KM 110	Chemistry	2	0+1	5	1	İT 130	Informatics	2	0+2	7
2	RİY 163	Linear algebra and analytic geometry	2	2+0	5	2	RİY 164	Mathematical analysis	2	2+0	6
3	KSM 101	Engineering and computer graphics	2	4+0	7	3	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4
4	KSM 103	Communication systems materials	2	0+1	5	4	FİZ 119	Physics	3	1+1	6
5	XXX XXX	[NAE] Foreign language I #1	0	6+0	8	5	XXX XXX	[NAE] Foreign language II #2	0	6+0	7
<i>Subtotal: 30</i>						<i>Subtotal: 30</i>					

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№	Course code	Title	Th	Pr	Ects
1	RİY 110	Fundamentals of mathematics	2	2+0	5
2	KSM 102	Applied Physics (Construction Thermal Physics)	2	2+2	8
3	KSM 207	Power sources of communication systems	2	1+0	6
4	KSM 201	Engineering mechanics-1	3	2+0	6
5	TRX 111	History of Azerbaijan	2	2+0	5

*Subtotal: 30***4**

№	Course code	Title	Th	Pr	Ects
1	KSM 202	Engineering mechanics-2	2	2+0	5
2	KSM 206	Communication system architecture	2	1+0	6
3	KSM 205	Remote sensing	2	1+1	6
4	KSM 203	Hydrology, Hydraulics and Hydraulic machines-1	2	0+1	4
5	XXX XXX	[AE] Foreign language III #3	4	1+0	6
6	XXX XXX	[NAE] Non-Area Elective Course I #1	1	1+0	3

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	KSM 204	Hydrology, Hydraulics and Hydraulic machines-2	2	1+1	5
2	XXX XXX	[AE] Area Elective Course V #5	3	1+1	8
3	XXX XXX	[AE] Area Elective Course IV #4	3	2+0	8
4	XXX XXX	[AE] Area Elective Course VI #6	2	2+0	6
5	XXX XXX	[AE] Non-Area Elective Course II #2	0	0+3	3

*Subtotal: 30***6**

№	Course code	Title	Th	Pr	Ects
1	MM 102	Civil Defence	2	1+0	3
2	KSM 315	Metrology, standardization and certification	3	0+2	5
3	KSM 306	Fundamentals of electrical engineering and electronics	2	0+1	4
4	KSM 304	Communication systems equipment	3	0+1	6
5	XXX XXX	[AE] Area Elective Course VII #7	3	1+1	6
6	XXX XXX	[AE] Area Elective Course VIII #8	3	1+0	6

Subtotal: 30

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No	Course code	Title	Th	Pr	Ects
1	KSM 403	Ecology	2	2+0	5
2	KSM 401	Alternative and renewable energy	3	1+0	5
3	XXX XXX	[AE] Area Elective Course IX #9	2	2+0	7
4	XXX XXX	[AE] Area Elective Course X #10	4	1+0	7
5	XXX XXX	[AE] Area Elective Course XI #11	3	2+0	6

Subtotal: 30

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No	Course code	Title	Th	Pr	Ects
1	İM 490	Internship	0	0+0	21
2	XXX XXX	[AE] x	0	0+0	9

Subtotal: 30

Total ECTS credits: **240**

AE - Area Elective Courses

No	Course code	Title	Th	Pr	Ects
1	KSM 208	Water supply and sewerage of industrial enterprises	4	1+0	6
2	KSM 210	Removal and cleaning of rainwater	4	1+0	6
3	KSM 305	Heating gas supply of buildings and structures	3	2+0	8
4	KSM 303	Gas supply	3	2+0	8
5	KSM 309	Removal and treatment of contaminated water	3	1+1	8
6	KSM 307	Treatment of oil-contaminated waters	3	1+1	8
7	KSM 311	Construction mechanics	2	2+0	6
8	KSM 313	Water supply systems	2	2+0	6
9	KSM 312	Water supply of buildings and structures	3	1+1	6
10	İM 467	Earthquake Resistance and Testing of Devices	2	2+0	6
11	KSM 310	heating system	3	1+1	6

12	KSM 316	Ventilation and air conditioning systems	3	1+0	6	
13	KSM 314	Heating technology	3	1+0	6	
14	KSM 405	Organization of construction	2	2+0	7	
15	KSM 407	Construction organization, technique and management	2	2+0	7	
16	KSM 411	Energy efficiency and energy audit	4	1+0	7	
17	KSM 409	Heating systems	4	1+0	7	
18	KSM 415	Engineering geology and soil mechanics	3	2+0	6	
19	KSM 413	Operation of water supply systems	3	2+0	6	
20	İM 499	Graduation Work: Thesis	0	0+0	9	
21	İM 498	Graduation Work: Exam	0	0+0	9	

NAE - Non-Area Elective Courses

No	Course code	Title	Th	Pr	Ects	
1	ENG 131	Official and Academic Communication in English- 1	0	6+0	8	
2	SOS 150	Introduction to Multiculturalism	1	1+0	3	
3	ENG 132	Official and Academic Communication in English- 2	0	6+0	7	
4	KSM 301	Information technologies (specialization)	0	0+3	3	
5	RUS 151	Official and Academic Communication in Russian- 1	0	6+0	8	
6	RUS 152	Official and Academic Communication in Russian- 2	0	6+0	7	