

COURSE STRUCTURE

2025-10137 Telecommunication and Radio Engineering (AZ) Bachelor

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4	1	KM 110	Chemistry	2	0+1	5
2	FİZ 140	Fundamentals of Physics	2	1+1	6	2	RİY 152	Mathematical analysis- 1	2	2+0	4
3	KOMP 163	Computer technologies and programming	3	2+1	8	3	FİZ 148	Applied Physics	2	1+1	6
4	RİY 161	Linear algebra and analytic geometry	2	2+0	4	4	TRX 111	History of Azerbaijan	2	2+0	5
5	XXX XXX	[NAE] Foreign language I	0	6+0	8	5	XXX XXX	[AE] Area Elective Course I #3	2	0+1	3
						6	XXX XXX	[NAE] Foreign language II	0	6+0	7
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	MEX 162	Engineering graphics and design	2	2+0	6
2	RİY 196	Mathematical analysis- 2	2	2+0	4
3	MM 120	Civil Defence	3	0+0	3
4	EEM 239	Basics of electrical circuits	2	2+1	7
5	XXX XXX	[NAE] Non-Area Elective Course I #1	1	1+0	3
6	XXX XXX	[AE] Area Elective Course II #4	2	1+2	7

*Subtotal: 30***4**

№	Course code	Title	Th	Pr	Ects
1	RİY 255	Applied mathematics	2	1+0	4
2	EEM 244	Analog electronics	2	0+2	6
3	RTM 206	Electrical communication theory	3	1+1	7
4	RTM 212	Electrical supply devices	3	0+2	6
5	RTM 305	Signals and systems	3	1+1	7

*Subtotal: 30***5**

№	Course code	Title	Th	Pr	Ects
1	EEM 215	Electrical measurements and instruments	2	0+2	6
2	EEM 332	Principles of technical scheme	2	0+2	5
3	EEM 345	Digital electronics and microprocessors	3	0+2	7
4	RTM 313	Wireless communication technologies	2	1+1	6
5	RTM 102	Electrodynamics and propagation of radio waves	2	2+0	6

*Subtotal: 30***6**

№	Course code	Title	Th	Pr	Ects
1	RTM 303	Telecommunication networks and systems	3	1+1	7
2	XXX XXX	[AE] Area Elective Course III #5	3	0+2	7
3	XXX XXX	[AE] Area Elective Course IV #6	2	1+2	7
4	XXX XXX	[AE] Area Elective Course V #7	2	1+1	6
5	XXX XXX	[NAE] Non-Area Elective Course II #2	1	1+0	3

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	XXX XXX	[AE] Area Elective Course VI #8	3	1+2	8
2	XXX XXX	[AE] Area Elective Course VII #9	3	1+2	8
3	XXX XXX	[AE] Area Elective Course VII #10	3	1+2	8
4	XXX XXX	[AE] Area Elective Course IX #11	2	2+0	6

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	RTM 497	Graduation Work	0	0+0	9
2	RTM 490	Internship	0	0+0	21

Subtotal: 30

Total ECTS credits: **240**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	KOMP 198	Computer networks and tires	2	0+1	3
2	RTM 106	Switching devices and systems	2	0+1	3
3	RTM 104	Introduction to radio engineering and telecommunications engineering	2	0+1	3
4	KMÜH 297	Data structure and algorithms	2	1+2	7
5	RTM 209	Ultra-high frequency electronic and quantum devices	2	1+2	7
6	RTM 207	Big data in telecommunications	2	1+2	7
7	İNFT 377	Information security in telecommunication networks	3	0+2	7
8	RTM 242	Radar systems	3	0+2	7
9	RTM 342	Discrete data transmission	3	0+2	7
10	RTM 346	Radio navigation systems	2	1+2	7
11	RTM 344	Digital signal processing	2	1+2	7
12	RTM 348	Radio transmitters	2	1+2	7
13	RTM 352	International radiocommunication and radio exchange	2	1+1	6

14	RTM 354	Radio receiving devices	2	1+1	6	
15	RTM 350	Communication systems	2	1+1	6	
16	RTM 437	Radio automation and radio control	3	1+2	8	
17	RTM 430	Operation, diagnosis and repair of telecommunication devices and systems	3	1+2	8	
18	RTM 420	Optical transmission systems	3	1+2	8	
19	RTM 440	Construction and technology of radio equipment	3	1+2	8	
20	RTM 441	Multichannel telecommunication systems	3	1+2	8	
21	RTM 439	Design of telecommunication systems	3	1+2	8	
22	RTM 445	Telegraphy theory	3	1+2	8	
23	RTM 443	NGN technologies	3	1+2	8	
24	KMÜH 493	Information technology and networks	3	1+2	8	
25	RTM 447	Management systems of telecommunication networks	2	2+0	6	
26	RTM 450	Antennas and microwave devices	2	2+0	6	
27	RTM 449	Local communication networks	2	2+0	6	
28	RTM 310	Audio signal processing	2	0+1	5	
29	RTM 318	Digital image transmission systems	2	0+1	5	
30	SM 345	Quality control	0	2+0	3	
31	RTM 427	Telecommunication systems and technologies	0	2+0	3	
32	PAM 324	Technical foreign language	0	2+0	3	

<u>NAE - Non-Area Elective Courses</u>						
No	Course code	Title	Th	Pr	Ects	
1	SOS 110	Sociology	1	1+0	3	
2	FEL 159	Philosophy	1	1+0	3	
3	RİNF 167	Logic	1	1+0	3	
4	SOS 180	Ethics and aesthetics	1	1+0	3	
5	HUQ 110	Constitution of Republic of Azerbaijan and Fundamentals of Law	1	1+0	3	
6	SOS 150	Introduction to Multiculturalism	1	1+0	3	
7	KOMP 367	Information management	1	1+0	3	
8	EEM 340	Research Methods	1	1+0	3	
9	DBİ 139	Politology	1	1+0	3	
10	Bİ 108	Principles of Entrepreneurship and Introduction to Business	1	1+0	3	
11	İT 379	Information technologies (on Radiotexnika and telekommunikasiya)	1	1+0	3	

