

COURSE STRUCTURE

2025-10130 Transportation Engineering (AZ) Bachelor

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	RİY 153	Linear algebra and analytic geometry	2	2+0	6	1	TRX 111	History of Azerbaijan	2	2+0	5
2	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4	2	FİZ 159	Physics- 2	2	0+1	4
3	KM 112	Chemistry	2	1+1	4	3	NTM 106	Statics	1	2+0	4
4	FİZ 161	Physics- 1	2	0+1	4	4	NTM 108	Engineer geodesy	2	0+2	5
5	NTM 107	Inverse geometry and computer graphics	1	3+0	4	5	RİY 154	Mathematical analysis	2	2+0	5
6	XXX XXX	[NAE] Foreign language I #1	0	5+0	8	6	XXX XXX	[NAE] Foreign language II #2	0	4+0	7
<i>Subtotal: 30</i>						<i>Subtotal: 30</i>					

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Nº	Course code	Title	Th	Pr	Ects
1	RİY 110	Fundamentals of mathematics	2	2+0	5
2	NTM 339	General course of transport and transport routes	2	1+0	4

*Subtotal: 9***4**

Nº	Course code	Title	Th	Pr	Ects
1	NTM 216	Building structures	2	2+0	5
2	İM 268	Hydraulics	2	0+1	4

*Subtotal: 9***5**

Nº	Course code	Title	Th	Pr	Ects
1	NTM 335	Artificial devices on transport roads	3	1+0	5
2	XXX XXX	[AE] Area Elective Course IV	2	1+0	5
3	XXX XXX	[AE] Area Elective Course III	3	1+1	7

*Subtotal: 17***6**

Nº	Course code	Title	Th	Pr	Ects
1	MM 102	Civil Defence	2	1+0	3
2	İM 335	Hydrology	2	0+1	3
3	XXX XXX	[AE] Area Elective Course VI	3	1+0	7
4	XXX XXX	[AE] Area Elective Course VIII	3	1+0	6
5	XXX XXX	[AE] Area Elective Course VII	2	0+1	4
6	XXX XXX	[AE] Area Elective Course V	3	2+0	7

Subtotal: 30

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No	Course code	Title	Th	Pr	Ects
1	XXX XXX	[NAE] Non-Area Elective Course I	1	1+0	3
2	XXX XXX	[AE] Area Elective Course XII	2	1+0	4
3	XXX XXX	[AE] Area Elective Course IX	3	0+1	7
4	XXX XXX	[AE] Area Elective Course X	3	2+0	7
5	XXX XXX	[AE] Area Elective Course XI	3	1+0	6
6	XXX XXX	[NAE] Non-Area Elective Course II	0	3+0	3

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: **185**

AE - Area Elective Courses

No	Course code	Title	Th	Pr	Ects
1	NTM 207	International transport complex	3	1+0	7
2	NTM 429	Scientific research in the field of design, construction and operation of roads	2	2+0	6
3	NTM 304	Highways reliability	4	2+0	9
4	NTM 308	Railway construction	4	2+0	9
5	NTM 328	Design of reinforced concrete and metal bridges on roads	4	2+0	9
6	NTM 209	Traffic management	3	1+0	7

7	NTM 315	Financial flows in the construction of international roads	3	1+1	7
8	NTM 305	Construction of highways	3	1+1	7
9	NTM 302	Construction of bridge crossings, different levels of pavements and artificial structures	4	2+0	9
10	NTM 331	Design of road clothing and artificial devices on highways	2	1+0	5
11	NTM 333	Operation of highways	2	1+0	5
12	NTM 419	Quality management in road construction	4	2+0	9
13	NTM 421	Tunnels and subways	3	2+0	8
14	NTM 427	Machinery used in the construction of roads	2	2+0	6
15	NTM 417	Road construction economy	4	2+0	9
16	NTM 423	Design, construction and operation of airports	3	2+0	8
17	NTM 425	Production enterprises in the construction of transportation roads	2	2+0	6
18	İM 498	Graduation Work: Exam	0	0+0	9
19	İM 499	Graduation Work: Thesis	0	0+0	9
20	NTM 337	Designing road clothing and artificial structures on highways	3	1+1	7

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	ENG 132	Official and Academic Communication in English- 2	0	6+0	7
3	NTM 481	Information technologies	0	3+0	3
4	SOS 150	Introduction to Multiculturalism	1	1+0	3