

COURSE STRUCTURE

2025-11148 Construction of bridges and transport facilities (AZ) Master

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	NTM 501	Modern problems of transport construction	2	0+0	4	1	PSI 505	Psychology	2	0+0	2
2	NTM 509	Automated design of transport structures	1	2+0	6	2	NTM 506	Transport structures	2	1+0	6
3	NTM 507	Geoinformation systems in transport construction	2	1+0	6	3	NTM 504	Monitoring of transport structures	2	1+0	6
4	ENG 501	Academic English	0	3+0	6	4	PDQ 520	Pedagogy for Higher Education	2	0+0	4
5	NTM 505	Modern materials in transport construction	2	0+0	4	5	NTM 502	Plates on elastic bases	2	1+0	6
6	NTM 503	History and methodology of transport construction	2	0+0	2	6	XXX XXX	[AE] Area Elective Course II	2	1+0	6
7	XXX XXX	[NAE] Non-Area Elective Course I	2	0+0	2						
<i>Subtotal: 30</i>						<i>Subtotal: 30</i>					

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No	Course code	Title	Th	Pr	Ects
1	NTM 603	Stability and dynamics of transport structures	2	1+0	6
2	NTM 601	Reconstruction of transport structures	2	1+0	6
3	XXX XXX	[AE] Area Elective Course III	2	1+0	6
4	XXX XXX	[AE] Area Elective Course V	2	1+0	6
5	XXX XXX	[AE] Area Elective Course IV	2	1+0	6

Subtotal: 30

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No	Course code	Title	Th	Pr	Ects
1	NTM 670	Scientific and pedagogical practice	0	0+0	6
2	NTM 680	Research Experience	0	0+0	6
3	NTM 690	Master's thesis preparation and defense	0	0+0	18

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

No	Course code	Title	Th	Pr	Ects
1	NTM 605	Theory and calculation of suspension and suspension bridges	2	1+0	6
2	NTM 609	Construction and operation of transport tunnels and bridges	2	1+0	6
3	NTM 611	Diagnosis and repair of bridges and structures	2	1+0	6
4	NTM 615	Quality control and improvement of transport structures	2	1+0	6
5	NTM 508	Design of tension bridge constructions	2	1+0	6
6	NTM 510	Infrastructure of bridges and transport structures	2	1+0	6
7	KSM 607	Management in the construction of bridges and transport structures	2	1+0	6
8	NTM 613	Design of prestressed concrete bridges	2	1+0	6

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NAE - Non-Area Elective Courses

No	Course code	Title	Th	Pr	Ects	
1	IQT 537	Managerial Economics	2	0+0	2	
2	FEL 530	Philosophy	1	1+0	2	