



KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT
PROGRAMME CURRICULUM FOR BACHELORS IN
60711900 - SUSTAINABLE TRANSPORT

Approved by the University Council
26.01.2026, Act №6

2026/2030 academic years

2020/2021 Academic year

№	Code	Module / Subject	Contact hours			Student-centered learning	Total hours of study*	Korean credits	ECTS
			Lectures	Sem., PBL/CBL, Lab, Pract., etc.	Total				
Year One									
First semester									
General modules									
1	STP001	LINEAR ALGEBRA AND GEOMETRY I	30	30	60	90	180	4	6
2	STP002	PHYSICS I	30	30	60	90	180	4	6
3	STP003	UZBEK (RUSSIAN) LANGUAGE	15	15	60	90	120	4	4
4	STP004	CHEMISTRY	0	60	60	90	180	4	6
5	STP005	CONTEMPORARY HISTORY OF UZBEKISTAN	15	15	30	45	120	2	4
6	STP006	GERMAN LANGUAGE	30	60	90	135	120	6	4
Total (First semester)			120	210	360	540	900	24	30
Second semester									
General modules									
7	STP007	LINEAR ALGEBRA AND GEOMETRY II	15	15	30	45	120	2	4
8	STP008	PHYSICS II	30	30	60	90	150	4	5
9	STP009	DIGITAL INFORMATION TECHNOLOGIES	30	30	60	90	180	4	6
10	STP010	MATHEMATICAL ANALYSIS I	15	15	30	45	150	2	5
11	STP011	THEOLOGY	15	15	30	45	120	2	4
12	STP012	ENGINEERING DRAWING	30	60	90	135	180	6	6
Total (Second semester)			135	165	300	450	900	20	30
Year Two									
Third semester									
Compulsory modules									
13	STP013	MATHEMATICAL ANALYSIS II	30	30	60	90	180	4	6
14	STP014	APPLIED MECHANICS I	30	30	60	90	150	4	5
15	STP015	PHYSICS III	30	30	60	90	150	4	5
16	STP016	PHILOSOPHY	30	30	60	90	120	4	4
17	STP017	INTRODUCTION TO SUSTAINABLE TRANSPORTATION	45	15	60	90	180	4	6
Total (Compulsory modules)			165	135	300	450	780	20	26
Stream modules									
Stream: Sustainable transport planning and infrastructure									
18	STP018	ENGINEERING SURVEYING	30	30	60	90	120	4	4
Stream: Sustainable vehicle design									
19	STP019	INTRODUCTION TO ELECTRICAL ENGINEERING	30	30	60	90	150	4	5
Total (Third semester)			195	165	360	540	900	24	30
Fourth semester									
Compulsory modules									
20	STP020	MATHEMATICAL ANALYSIS III	30	30	60	90	150	4	5
21	STP021	APPLIED MECHANICS II	30	30	60	90	150	4	5
22	STP022	FUNDAMENTALS OF STRENGTH OF MATERIALS	30	30	60	90	180	4	6
Total (Compulsory modules)			90	90	180	270	480	12	16
Stream modules									
Stream: Sustainable transport planning and infrastructure									
23	STP023	TRAFFIC ENGINEERING AND MANAGEMENT 1	60	30	90	135	210	6	7
24	STP024	OPERATION AND MANAGEMENT OF TRANSPORT SYSTEMS	60	30	90	135	210	6	7
Stream: Sustainable vehicle design									
25	STP025	SCIENCE AND TECHNOLOGY OF MATERIALS/ TECHNOLOGY OF METALLIC MATERIALS	30	30	60	90	150	4	5
26	STP026	FUNDAMENTALS OF ENGINEERING THERMODYNAMICS AND HEAT TRANSFER	30	30	60	90	150	4	5
Total (Fourth semester)			210	150	360	540	900	24	30

№	Code	Module / Subject	Contact hours			Student-centered learning	Total hours of study*	Korean credits	ECTS
			Lectures	Sem., PBL/CBL, Lab, Pract., etc.	Total				
Year Three									
Fifth semester									
Compulsory modules									
27	STP027	GREEN TRANSPORT TECHNOLOGIES 1	30	30	60	90	150	4	5
28	STP028	GREEN TRANSPORT INFRASTRUCTURE	30	60	90	135	225	6	7.5
Total (Compulsory modules)			60	90	150	225	375	10	12.5
Stream modules									
Stream: Sustainable transport planning and infrastructure									
29	STP029	GEOGRAPHIC INFORMATION SYSTEM TECHNOLOGY	30	30	60	90	150	4	5
30	STP030	TRAFFIC ENGINEERING AND MANAGEMENT 2	30	60	90	135	225	6	7.5
31	STP031	METHODOLOGY OF DRIVER TRAINING	30	30	60	90	150	4	5
Stream: Sustainable vehicle design									
32	STP032	EXPERIMENTAL STATISTICS AND MECHANICAL MEASUREMENT	30	30	60	90	150	4	5
33	STP033	ELECTRICAL MACHINES	30	30	60	90	150	4	5
34	STP034	FUNDAMENTALS OF MACHINE DESIGN	30	30	60	90	150	4	5
Total (Fifth semester)			150	210	360	540	900	24	30
Sixth semester									
Compulsory modules									
35	STP035	GREEN TRANSPORT TECHNOLOGIES 2	30	30	60	90	150	4	5
36	STP036	INTELLIGENT AND CONNECTED VEHICLE DYNAMICS	30	30	60	90	150	4	5
37	STP037	DESIGN METHODOLOGY IN URBAN MOBILITY	30	30	60	90	150	4	5
Total (Compulsory modules)			90	90	180	270	450	12	15
Stream modules									
Stream: Sustainable transport planning and infrastructure									
38	STP038	SUSTAINABLE DEVELOPMENT STRATEGY AND PARKING POLICY	30	30	60	90	150	4	5
39	STP039	SUSTAINABLE TRANSPORTATION PLANNING AND POLICY	30	30	60	90	150	4	5
Stream: Sustainable vehicle design									
40	STP040	FLUID MECHANICS	30	30	60	90	150	4	5
41	STP041	BATTERY STORAGE SYSTEMS	15	15	30	45	75	2	2.5
Internship (2 week)									
42	STP042	INTERNSHIP	0	60	60	90	150	4	5
Total (Sixth semester)			150	210	360	540	900	24	30
Seventh semester									
Compulsory modules									
43	STP043	ORGANIZATION OF PUBLIC TRANSPORT	30	60	90	135	225	6	7.5
44	STP044	SUSTAINABLE URBAN MOBILITY	30	30	60	90	150	4	5
45	STP045	TRAFFIC SIMULATION MODELLING AND APPLICATIONS	30	60	90	135	225	6	7.5
Total (Compulsory modules)			90	150	240	360	600	16	20
Stream modules									
Stream: Sustainable transport planning and infrastructure									
46	STP046	ROAD SERVICES	30	30	60	90	150	4	5
47	STP047	SMART TRANSPORTATION LOGISTICS AND MANAGEMENT	30	30	60	90	150	4	5
Stream: Sustainable vehicle design									
48	STP048	DIAGNOSTICS OF EV AND HEVS	30	30	60	90	150	4	5
49	STP049	EV/HEV MANUFACTURING PROCESS	30	30	60	90	150	4	5
Total (Seventh semester)			150	210	360	540	900	24	30
Eighth semester									
Compulsory modules									
50	STP050	UNDERGRADUATE PRACTICE	0	300	300	450	750	20	25
51	STP051	GRADUATION RESEARCH (PROJECT) / FINAL CROSS-DISCIPLINARY EXAMINATION	60	0	60	90	150	4	5
Total (Eighth semester)			60	300	360	540	900	24	30
Total for the 4 years (without Internship)			1215	1305	2520	3780	6300	168	210
Total for the 4 years			1215	1665	2880	4320	7200	192	240

*The duration of one academic hour is 50 minutes.

Acting Rector

Head of Academic Affairs Department

Course Leader

Head of "Traffic engineering and management" department



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