Transilvania University of Braşov, Romania

Study program: Traffic and Transport Engineering

Faculty Mechanical Engineering

Study period 4 years (bachelor)

Academic year structure 2 semesters (14 weeks per semester)
Examination sessions (two) Winter session (January/February)

Summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1 Year

No.	Course	Code	de 1 Semester				er	2 nd Semester						
crt.			С	S	L	Р	Cred	C	S	L	Р	Cred		
01	Mathematical Analysis	AnaM	3	2			5							
02	Descriptive Geometry	GD	2		2		5							
03	Chemistry	Chim	2		1		4							
04	Materials Science	SM	2		1		3							
05	Materials Technology	TM	2		1		3							
06	Applied Informatics	INFA	2		2		5							
07	Linear Algebra and Analytical and Differential Geometry	AGAD						2	3			5		
08	Technical Drawing and Infographics I	DT1						2		2		5		
09	Physics	Fizi						2		1		4		
10	Mechanics I	Mec1						3	1	1		5		
11	Computers Programming and	PCLP						2		2		5		
11	Programming Languages	PCLP						2				<u> </u>		
12	Electrical Engineering and Electrical	ELME						2		1		4		
12	Machines	LLIVIL								'		4		
	(O1) Academic Writing and	СОМ	1	1			3							
13	Communication	COIVI	'	'			٠							
	(O2) Academic Ethics and Integrity	EIA	1	1			3							
	Foreign Language - English	LE01/LE02												
14	Foreign Language - French	LF01/LF02	1	1			2	1	1			2		
14	Foreign Language - German	LG01/LG02												
15	Sport and Physical Training	EF01 / F02		1			1		1			1		

2nd Year

No.	No. crt. Course Code	Codo		3 rd	Sem	neste	r	4 th Semester				
crt.		code	C	S	L	Р	Cred	C	S	L	Р	Cred
01	Economics	ECON	1	1			Э					
02	Technical Drawing and Infographics II	DT2	2		2		4					
03	Mechanics II	Mec2	3	2	1		6					
04	Strength of Materials I	RM1	2	2	2		6					

05	Special Mathematics and Mathematical Statistics	MSSM	2	2			4					
06	Informatics and Cybernetics in Transports	ICT	2		1		4					
07	Information Theory and Codes	TIC						2		2		3
08	Fluids Mechanics and Hydraulic Machines	MFMH						2		2		4
09	Strength of Materials II	RM2						m	1	1		5
10	Mechanisms	Mecs						m		1	1	5
11	Machine Elements I	OM1						2		1	1	4
12	Management	MANAG						2		1		3
	Foreign Language - English	LE03/LE04										
13	Foreign Language - French	LF03/LF04	1	1			2	1	1			2
	Foreign Language - German	LG03/LG04										
14	Sport and Physical Training	EF03/EF04		1			1		1			1
15	Practical Placement	PT1		90 hours/ year								4

3rd Year

No.	C	C-4-		5 th	Sen	neste	r		6 th Semester					
crt.	Course	Code	С	S	L	Р	Cred	С	S	L	Р	Cred		
01	Thermodynamics and Thermal Machines	TMT	2	1	2		5							
02	Machine Elements 2	OM2	2		2		5							
03	Machines and Installations for Goods Handling	MIMM	2		1		5							
04	Means of Transports	MT	2		2		5							
05	Internal Combustion Engines	MAI	3		2	1	5							
06	Automotives	AUT	2		2	٦	5							
07	Elements of Vehicle Dynamics	EDA						2		2	1	5		
80	Road Infrastructure	IRUT						2			2	4		
09	Transport Control and Command Installations	ICCC						2		2		4		
10	Environment Protection and Engineering	PIM						2		2		4		
11	Road Traffic Management and Telematics I	MTRT1						3		2		5		
12	(O1) Multimodal Transports	TM						1	1			2		
12	(O1) Transport Systems	STR						1	1			2		
13	(O2) Economic Analysis of Transport	AET						1	1			2		
13	(O2) Transport Logistics	LOGT						1	1			2		
14	Practical Placement	PRTH2				90	hours/ y	ear				4		

4thYear

No.	lo. Course	Code		7 ^t	^h Sen	nester		8 th Semester				
crt.	Course	code	U	S	L	Р	Cred	U	S	Ш	Р	Cred
01	Automotive Electric Systems	EEA	2		2		5					
02	Road Traffic Management and Telematics II	MTRT2	M		2		5					
03	Machines for Road Infrastructure	UIR	2			2	4					
04	CAD in Transport Engineering	PAT						2		2		4
05	Functional Reliability of Transport Systems	FFST						2		2		4
06	Fuels, Lubricants and Maintenance	CLMIA						7		ر		1.
06	Materials for Vehicles	CLIVIIA								2		4

07	Diploma Project Develop	EPD							4		5
08	Practice for Diploma Project	PPD					60 h	ours.	/sem	ester	5
09	(O1) Vehicle Fleet Maintenance I	MPV1	7	ı	1	6					
09	(O1) Vehicles Maintenance and Reliability	FMA	2	2	I	0					
	(O2) Traffic Accidents Analysis and	ARAC									
10	Reconstruction	ARAC	2	2		5					
	(O2) Special Transports	TRS									
11	(O3) Automotive Passive Safety	SPA	2	2		5					
11	(O3) International Transports	TI	۷	2		ก					
12	(O4) Quality in Transports	CALT					2		,		3
12	(O4) Auxiliary systems of Transport Means	SAMT							2		3
	(O5) Vehicle Fleet Maintenance II	MPV2									
13	(O5) Risk Evaluation, Insurance and	ERATCA					2		2		3
	Vehicles Trade Techniques	ERAICA									
	(06) Transport Terminals	TT									
14	(O6) Transport Management and	MKTR					2	2			2
	Marketing	IVIIXIIX									