

# Transilvania University of Braşov, Romania

## Study program: Road Safety, Transport and Interaction with the Environment

Faculty: Mechanical Engineering  
 Study period: 2 years (master)  
 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<sup>st</sup> Year

No. crt.	Course	Code	1 <sup>st</sup> Semester					2 <sup>nd</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Numerical Methods Applied in Engineering	MNAI	2		1		5						
02	Transport Policies and Regulations	PRTR	2	1			5						
03	Road Safety	SR	1			2	5						
04	Project Management	MP	1	1		1	5						
05	Traffic Flows Theory	TFR	2		2		5						
06	Vehicle Information and Communication Systems	SICA						2		1			5
07	Evaluation and Control of Chemical Pollution from Vehicles and Traffic	ECPC						2		2			5
08	Intelligent Transport Systems	SIT						2		1			5
09	Advanced Methods for Investigating the Technical Condition of Vehicles	PAISTA						2		1			5
10	Vehicle - Road Interaction Management	MIVD						1		2			5
11	On-board Vehicle Diagnostics	DBA						1		2			5
12	Geographical Information Systems	GIS						1		1	1		5
13	Evaluation and Mitigation of Environmental Noise	EAZA						1		1	1		5

### 2<sup>nd</sup> Year

No. crt.	Course	Code	3 <sup>rd</sup> Semester					4 <sup>th</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Environmental Impacts of Road Transport	ITRM	2		1		5						
02	Planning and Designing Road Networks	PPRR	2		1	1	5						
03	Logistics Concepts of Goods and Passenger Transport	CLTMP	2	1			5						
04	Marketing Techniques for Vehicles and Equipments	TCAE	2	1			5						
05	The Dynamics of Traffic Accidents, Analysis and Modeling	DACAM	1		1	1	5						
06	Autonomous Vehicles	AA	1		1	1	5						
07	Design of Road Infrastructure Safety	PSIR	1			2	5						

08	Research on Passive Safety Systems	CSP	1			2	5					
10	University Ethics	EU							1			2
11	Reserch and/or Development Activities for Dissertation Accomplishment	ACP									11,4	13
12	Dissertation Accomplishment	ELD									4,6	10