PROGRAM OBJECTIVES

The Master's Program in Traffic Safety Engineering aims to train high-quality human resources equipped with extensive, solid and modern knowledge in the field of traffic safety. Graduates from this program will be able to design, operate and manage transportation systems safely and efficiently; capable of handling traffic jams and accidents; have skills in assessing, analyzing and providing solutions to overcome the causes of traffic accidents; have self-study and research skills to adapt to the working environment and the development of science and technology in the trend of international integration.

JOB POSITIONS

After graduation, the Master of Traffic Safety Engineering can work in:

o Units under the Ministry of Transport;

o State management agencies on traffic order and safety;

o Construction consulting companies for traffic works;

o Agents, transport enterprises and auto insurance;

o Universities and colleges, domestic and foreign scientific research institutes and centers.

STRUCTURE OF MASTER'S PROGRAM

The Master Program in Transport Safety Engineering consists of four semesters of education.

Duration of study: 2 years

Credit: 63 credits

Degree: Degree of Master in Transport Safety Engineering Scheme:

No.	Knowledge blocks	Number of course	Credit
1	**General knowledge**	**01**	**03**
2	**Fundamental knowledge and specialized knowledge**	**14**	**48**
	✦ Compulsory courses	11	39
	✦ Elective courses	03	09
3	**Thesis**	**01**	**12**
	Total	**16**	**63**

COURSE STRUCTURE

No.	Course name	Course code	Credits
	SEMESTER 1		
1	Philosophy	PS0.001.3	3
2	Research Methodology	ET1.M01.3	3
3	Statistical and Data Analysis for Traffic Safety	ET1.M02.3	3
4	Traffic Safety and Human Behaviour	ET1.M03.3	3
5	Traffic Modelling, Simulation and Safety	ET1.M04.3	3
	Total		**15**
	SEMESTER 2		
6	Pre and Post Accidents Studies	ET1.M05.3	3
7	Traffic Safety Management	ET1.M06.3	3
8	Safety Audit and Traffic Risk Analysis	ET1.M07.3	3
	Choose 1 out of 2 courses (3 credits)		
9	Automotive Safety	ET1.ME08.3	3
	Vehicle Collision Dynamics	ET1.ME09.3	
	Choose 1 out of 2 courses (3 credits)		
10	Geographical Information Systems (GIS) and Traffic Safety	ET1.ME10.3	3
	Sustainable Transport Systems	ET1.ME11.3	
	Total		**15**
	SEMESTER 3		
11	Intelligent Transport Systems and Traffic Safety	ET1.M12.3	3
12	Vehicle Inspections	ET1.M13.3	3
	Choose 1 out of 2 courses (3 credits)		
13	Urban Transport Planning and Safety	ET1.ME14.3	3
	Logistics, Commercial Traffic and Safety	ET1.ME15.3	
14	Road Safety Design Project	ET1.M16.3	6

	Total		**15**
	SEMESTER 4		
15	Road Safety Management Project	ET1.M17.3	6
16	Master Thesis Work	ET1.M18.12	12
	Total		**18**
	Total credits		**63**