

Rector [REDACTED] University

CURRICULUM

Starting with academic year 2022-2023

Masters degree program: **Business Administration in Transport**
Fundamental domain: **Engineering Sciences**
Field of Masters University Studies: **Engineering and Management**
Faculty: **Navigation and Naval Transport**
The duration of studies: **2 years**
Form of Education: **master's degree, full time**
Type of Masters Degree: **professional**

The mission of study program

Business Administration in Transport (BAT) master's degree program aims to expand the training process of specialists in the field of Engineering and Management initiated by undergraduate studies, from the perspective of conferring the managerial and technical-economic capability necessary to approach planning, organization, operation and evaluation of transport systems in relation to the reality of the existing business environment on the domestic and international market.

In order to accomplish its mission, the university aims to provide the institutional framework and material means and infrastructure to enhance and develop the potential of skills, attract specialists in the field and establish an academic community to contribute to local, regional and international development through education, science and research.

The master's degree program in **Business Administration in Transport** within the Faculty of Navigation and Naval Transport was designed in full accordance with the policy of the Maritime University of Constanta being supported and motivated by economic developments in the field of transport, requiring specialists at all levels.

Through the **Business Administration in Transport** study program, the subjects included in the curriculum will ensure the multidisciplinary and modularization of the study program subject to evaluation, which will allow the diversification of study options in the fields of transport engineering and management. At the same time, the level of this program aims to promote and implement clear and documented policies implemented in Constanta Maritime University on academic integrity.

The general objectives

The general objectives of the BAT study program are to ensure a complex, rigorous and interdisciplinary academic training, which combines theoretical and applied aspects, so that, through this training, professional, technical, scientific and managerial skills useful for graduates are formed.

Through the training during the studies period, the students of the BAT master study program will develop and improve their professional skills and competencies related to the novelty elements of public management, the transfer of know-how from private agencies to public port services, implementation of the 3Es: Economics, Efficiency, Effectiveness in the organizations from the field of transport and will acquire skills necessary to be selected on the Romanian and international market and to have the opportunity to hold positions in the management of institutions and companies in the transport sector.

The study program adopted by the Faculty of Navigation and Naval Transport reflected by the specialization aims to continuously improve the educational process, promoting modern and solid forms of training, appropriate to the training requirements of transport engineers, being focused on student's ability to apply the assimilated knowledge. At the same time, the improvement of student evaluation methods was considered, emphasizing the role of individual study.

The development of the master's program is an approach meant to ensure the completion of some general objectives envisioned at the faculty level:

- Providing well-trained theoretically and practically specialists, at the level of current and future requirements for the transport market.
- Creating the necessary framework for the integration of education specific to the field of transport in the Romanian and international economic environment.
- Continuation and extension of strategic partnerships with foreign faculties, as well as openness to joint study programs with other universities.
- Inclusion of the Faculty of Navigation and Naval Transport among the best faculties in the country in terms of academic offer and scientific research.

The specific objectives

The specific objectives of education in the first year of BAT master studies are to achieve an optimal educational process, based on the complementarity of logical thinking with analytical and applied elements, the transfer of basic knowledge and specialized training to advanced, synthesis and advanced knowledge, respectively formation of technological and practical skills, using connections of technical-scientific, economic and managerial information specific to the field of engineering and management, in areas such as Business Development, Management and Administration in Transport, Business Environment and International Trade, Transport Entrepreneurship and Sustainable Development, Operations Management, Performance Measurement in Transport, Accident Investigation and Risk Management in Transport

The specific objectives of education in the second year of studies consist in continuing the process of transferring fundamental knowledge by forming specific skills of Digitalisation and New Business Models, Integrated Management Systems in Transport, Infrastructure Planning and Management, Transport Systems Engineering, Business Ethics and Corporate Governance

At the end of the study period, the graduates of the Master's program in **Business Administration in Transport** will have much more educational, informational and formative experience, confidence in their own strengths and in the future. Through competencies, the acquired qualification gives them, immediately after graduation, special opportunities and professional satisfactions.

Following the study program of the specialization, students will be trained by teachers in order to achieve the following objectives:

- acquiring advanced knowledge in the field of business administration in the field of transport
- developing the managerial and professional skills necessary for the modern business environment
- theoretical and practical training of students at the level of current and future requirements for the international transport market for easy integration of graduates on the labor market
- acquiring the competencies of a specialist who can evolve in the field of transport, in the field of engineering but also in the economic field.
- studying the disciplines which provide the necessary information in the form of models or knowledge about the structure and operation of business processes in the field of transport in order to achieve the desired performance and adequate risk management within organizations.
- training of specialists with superior technical training in economic profile, able to carry out their activity in the engineering field which is suitable for the use of digitization and business models, tools for measuring performance in transport, advanced techniques needed to solve complex challenges in the field of transport or specialized institutions in which the planning and management of infrastructure issues or the establishment of risk minimization strategies are essential etc.
- acquiring advanced knowledge in areas such as the creation and development of entrepreneurial organizations, sustainable development, social responsibility, corporate governance and business ethics.

The skills

The professional skills

- C1. Creative use of knowledge and methods specific to the field of transport engineering and business management
- C2. Ability to use advanced concepts and techniques in computer science and information technology
- C3. Ability to develop and interpret technical, economic and managerial documentation specific to the business environment
- C4. Management of transport companies and supply chain subsystems
- C5. Financial and economic substantiation of the offer development solutions in the field of transports
- C6. Ensuring the quality of transport services

The transversal skills

- CT1 Ability to explore approaches and techniques, as well as to identify solutions and opportunities in different business environments
- CT2 Planning and organizing human resources within a group or institution, in conditions of awareness of professional responsibilities, as well as assuming the tasks of the professional group. Development of decision and operation skills, use of interpersonal relationship techniques and efficient collaboration with specialists in multiple fields
- CT3 Objective self-assessment of the need for continuous professional training, knowledge of information and communication technology, application of norms and values of professional ethics for decision making.

I. The structure of the academic year (in weeks)

	Teaching activities		Examination session			Practice	Vacation		
	Sem. I	Sem. II	Winter	Summer	Resits		Winter	Spring	Summer
Year I	14	14	3	3	3	168	3	2	10
Year II	14	14	3	3	3	336	3	2	0

II. Conditions of enrollment in the following year. Conditions for promotion. Conditions for recovery

The next year is conditioned by the meeting of the promotion conditions laid down in the Student's Professional Activity Regulation.

III. Number of class hours per week

Year	Semester I	Semester II
I	26	26
II	26	26

IV. Dissertation examination

Conditions for supporting the dissertation exam are presented in a Studies Completion Regulation approved by the Senate of the University. Under this regulation, the presentation at the dissertation exam is conditioned by the promotion of all disciplines in the Education Plan.

1. Period of dissertation work: Semester 4
2. Period of dissertation work: June-July Session

V. Requirements for obtaining the master's degree

- 120 credits from compulsory subjects;
- 10 credits from the dissertation exam.

Total 130 credits

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Professor [redacted] ngD

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Professor

CURRICULUM
Year I (2022-2023)

Nr. crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
				C	S	L	P	SI	FV	Cr.	C	S	L	P	SI	FV	Cr.
1	Business Development	BAT 1.1.1	DA	2	2			94	E	6							
2	Management and Administration in Transport	BAT 1.2.1	DS	2	2			94	E	6							
3	Business Environment and International Trade	BAT 1.3.1	DA	2	1		1	94	V	6							
4	Environment and Strategic Management	BAT 1.4.1	DA	2	1		1	69	V	5							
5	Practice I	BAT 1.5.1	DS				6	16	V	4							
6	Operations Management	BAT 1.1.2	DS								2	2			94	E	6
7	International Contract and Trade Law	BAT 1.2.2.	DS								2	2			94	V	6
8	Performance Measurement in Transport	BAT 1.3.2.	DA								2	2			69	E	5
9	Accident Investigation and Risk Management in Transport	BAT 1.4.2	DS								2	2			69	E	5
10	Practice II	BAT 1.5.2	DS											6	16	V	4
Total hours per semester, total exams per semester and total credits per semester, at compulsory and elective disciplines; DA= discipline of study, DS= specialized discipline				8	6		8	367		27	8	8		6	342		26
				22							22						

COMPULSORY SUBJECTS

Note¹: The number of hours of individual study/course/semester is calculated using the formula: $SI = CP \times 25 - 14 (C+S+L+P)$
 C - Course; S-seminar; L - Laboratory; P - Project; And - individual study; FV - verification form; CR - Assigned credit points, e-exam, C-colloquium, DI-Mandatory Disciplines, Optional Documents, Yes-Deputy Disciplines, DS-Synthesis Discipline, DC-Complementary Discipline, AA- Assisted Activity, Partial Assisted (Specialty Practice, Practice Development Dissertation), year - Unassisted activity (individual study)

Nr. Crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
				C	S	L	P	SI	Exam form	Credits	C	S	L	P	SI	Exam form	Credits
OPTIONAL SUBJECTS																	
Package A																	
1	Advanced International Marketing	BAT 1.6.1	DS	2	2			19	E	3							
2	Computers and IT in Business Transport	BAT 1.6.2	DS								2	2			44	E	4
Package B																	
1	Advanced Financial Management	BAT 1.7.1	DS	2	2			19	E	3							
2	Online Business Administration	BAT 1.7.2	DS								2	2			44	E	4
Total hours per week at elective subjects				2	2			19		3	2	2			44		4
				4					3	4					4		
Total hours per week at compulsory and elective subjects				26					30	26					30		

Nr. crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
				C	S	L	P	SI	Exam form	Credits	C	S	L	P	SI	Exam form	Credits
FACULTATIVE SUBJECT																	
1	Business Communication and Media	BAT 1.8.1	DL	2	1		2	105	V+P	7							
2	Volunteering	BAT 1.9.1	DL		1			36	A/R	2							
3	Methodology of Applied Research in Transport	BAT 1.8.2	DL								1	1			97	E	5
4	Project Management Fundamentals	BAT 1.9.2	DL								2	2			144	E	8
5	Volunteering	BAT 1.10.2	DL									1			36	A/R	2
Total hours per semester, total exams per semester and total credits per semester, at facultative disciplines				2	2		2	141		9	3	4			277		15
				6					9	7					15		

DEAN
Prof. univ. dr. ing. Coste

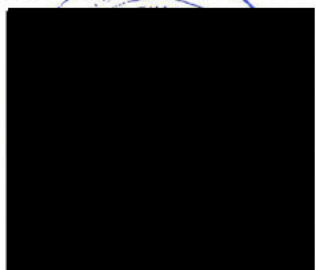
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Year II (2023-2024)

Nr. crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
				C	S	L	P	SI	FV	Cr.	C	S	L	P	SI	FV	Cr.	
COMPULSORY SUBJECTS	1	Digitalisation and New Business Models	BAT 2.1.1	DS	2	1			83	E	5							
	2	Transport Systems Engineering	BAT 2.2.1	DA	2	1		1	94	V	6							
	3	Integrated Management Systems in Transport	BAT 2.3.1	DA	2	2			69	E	5							
	4	Infrastructure Planning and Management	BAT 2.4.1	DS	2	2			44	E	4							
	5	Ethics and Academic Integrity	BAT 2.5.1	DA	1				36	V	2							
	6	Practice III	BAT 2.6.1	DS				6	16	V	4							
	7	Professional practice	BAT 2.1.2	DS											126		V	10
	8	Research practice for Dissertation thesis	BAT 2.2.2	DS											126		V	10
	9	Elaboration of dissertation paper	BAT 2.3.2	DS											112		V	10
Total hours per semester, total exams per semester and total credits per semester, at compulsory and elective disciplines; DA= discipline of study, DS= specialized discipline				9	6		7	342			26							30
				22								364						

Presentation of the dissertation thesis

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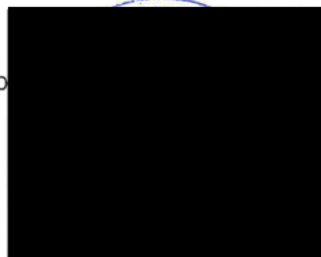


Nr. Crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
				C	S	L	P	SI	Exam form	Credits	C	S	L	P	SI	Exam form	Credits
Package A																	
1	Business Intelligence	BAT 2.7.1	DS	2	2			44	E	4							
Package B																	
1	Management and Financing of EU-funded Projects for Infrastructure	BAT 2.8.1	DS	2	2			44	E	4							
Total hours per week at elective subjects				2	2			44		4							
				4					4								
Total hours per week at compulsory and elective subjects				26					30	26					30		

Nr. crt.	Course title	Course code	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
				C	S	L	P	SI	Exam form	Credits	C	S	L	P	SI	Exam form	Credits
1	Business Negotiation Strategies and Conflict Management	BAT 2.9.1	DL	2	1			108	V	6							
2	Volunteering	BAT 2.10.1	DL		1			36	A/R	2							
Total hours per semester, total exams per semester and total credits per semester, at facultative disciplines				2	2			144		8							
				4													

DEAN

Prof. univ. dr. ing. Co



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OVERALL BALANCE						Standard ARACIS
No. crt.	Disciplines	Numbers Hours	%	Numbers Credits	%	
1	Total hours	1456	100	120	100%	
2	Complementary Discipline (DC)	0	0	0	0	<20%
3	Specialized Discipline (DS)	1106	75,96%	86	71,66%	
4	Discipline of study (DA)	350	24,04%	34	28,33%	
5	Elective Discipline (free choice) (DL)	238	16,35%	32	26,66%	
6	Hours of courses	434				
7	Hours of applications (seminar + laboratory +project+120 practice)	1022				
8	Hours of practice including practice for elaboration dissertation thesis	616				
9	Ratio hours of courses/hours application		93,55%			1/1 (±20%)

No. crt.	Disciplines	Numbers Hours		Total		Numbers Credits	
		Year I	Year II	Hours	%	Year I	Year II
1	Integrally assisted activities	560	280	840	57,7%	52	26
2	Partially assisted activities	168	196	364	25%	8	34
3	Specialty practice		126	126	8,65%		10
4	Practice for dissertation		126	126	8,65%		10