

CURRICULUM
of the 2021 – 2023 cohort

Transilvania University of Braşov

<i>Master's Study Programme</i>	INDUSTRIAL BUSINESS MANAGEMENT AND ENTREPRENEURSHIP
<i>Fundamental field</i>	ENGINEERING SCIENCES
<i>Field of master's study</i>	ENGINEERING AND MANAGEMENT
<i>Faculty</i>	FACULTY OF TECHNOLOGICAL ENGINEERING AND INDUSTRIAL MANAGEMENT
<i>Duration of study</i>	4 SEMESTERS
<i>Study type:</i>	Full-time (FT)
<i>Type of master's programme:</i>	research

YEAR I

No	Compulsory course units	Type*	Code of course unit	Semester I						Semester II					
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
1	Strategies in investment management	PC	IT.M.1.01.I	2	1		1	E	5						
2	Academic Integrity and Ethics	DC	IT.M.1.02.I	1	1			V	2						
3	Financial Management	PC	IT.M.1.03.I	2	1		1	E	5						
4	Sales management	PC	IT.M.1.04.I	2		1		E	4						
5	Design of the Lean Enterprise	SC	IT.M.1.05.I	2	1			E	4						
6	Practical activities for Research and Design 1	SC **	IT.M.1.06.I				12	V	10						
Total hours of compulsory course units per week				9	4	1	14	4E+2V							
				28					30						

No	Compulsory course units	Type*	Code of course unit	Semester I						Semester II					
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
1	Management of robust design	PC	IT.M.2.01.I							2	1		1	E	5
2	Practical activities for research and design 2	SC **	IT.M.2.02.I										12	V	10
Total hours of compulsory course units per week										2	1		13	1E+1V	15
									16						

No	Elective course units	Type*	Code of course unit	Semester I						Semester II					
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
One course unit will be selected from each package:															
Elective package 1															
3.	Entrepreneurship and Managerial Innovation	SC	IT.M.2.31.O							2			2	E	5
	Advanced Entrepreneurship		IT.M.2.32.O												
Elective package 2															
4.	Sustainable Industrial Design	PC	IT.M.2.41.O							2		1	1	E	5
	Product Development and Prototyping		IT.M.2.42.O												
Elective package 3															
5.	Company recovery	PC	IT.M.2.51.O							2	1		1	E	5
	Global Strategic Management		IT.M.2.52.O												
Total hours of elective course units per week										6	1	1	4	3E	15
Total									28						

No	Non-compulsory course units	Type*	Code of course unit	Semester I						Semester II					
				C	S	L	P	Ver.	Crd	C	S	L	P	Ver.	Crd
1.	System safety management	PC	IT.M.1.01.F	2		2		E	4						
2.	Management of industrial actuation systems	AC	IT.M.2.02.F							2		2		E	4
Total hours of non-compulsory course units per week assessments (Ver.) and credit points (Crd)				2	-	2	-			2		2			
				4				1E	4	4				1E	4

*) PC Proficiency course units
 SC Synthesis course units
 AC Advanced course units

***) Partially assisted activities

*) C Lecture
 S Seminar
 L Laboratory work
 P Project
 Ver Assessment
 Crd Credit points

Prof Eng. Ioan Vasile ABRUDAN, PhD
 Rector



Prof Eng. Gheorghe OANCEA, PhD
 Dean

Associate Prof Eng. Flavius SÂRBU, PhD
 Head of Department

Prof Eng. Andrea DEACONESCU, PhD
 Study programme coordinator

YEAR II

No	Compulsory course units	Type*	Code of course unit	Semester I					Semester II						
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
1	Advanced Industrial Business Management	AC	IT.M.3.01.I	2	1		1	E	5						
2	Risk management in industrial business	AC	IT.M.3.02.I	2		1	1	E	5						
3	Practical activities for research and design 3	SC**	IT.M.1.03.I				12	V	10						
Total hours of compulsory course units per week				4	1	1	14	2E+1V							
				20					20						

No	Elective course units	Type*	Code of course unit	Semester I					Semester II						
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
One course unit will be selected from each package:															
Elective package 1															
4.	Communication and negotiation in business	AC	IT.M.3.41.O	2			1	1	E	5					
	Organizational communication		IT.M.3.42.O												
Elective package 2															
5.	International economic relations	PC	IT.M.3.51.O	2					E	5					
	Products and Services for a Global Market		IT.M.3.52.O	2	2										
Total hours of elective course units per week				4	2	1	1	2E	10						
				8											
Total				28					30						

No	Compulsory course units	Type*	Code of course unit	Semester I					Semester II						
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.
1	Digital data acquisition and processing systems	SC	IT.M.4.01.I							2		2		E	5
2	Practical activity and scientific research for dissertation	SC**	IT.M.4.02.I									8		V	10
3	Practical activities for research and design 4	SC**	IT.M.4.03.I									12		V	10
Total hours of compulsory course units per week										2		2	20	1E+2V	25
									24						

No	Elective course units	Type*	Code of course unit	Semester I					Semester II							
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.	
One course unit will be selected from each package:																
Elective package 1																
4.	Informatics for managers	PC	IT.M.4.41.O								2		2		E	5
	Project management		IT.M.4.42.O													
Total hours of elective course units per week											2		2		1E	5
Total											4					
Total											28					30

No	Non-compulsory course units	Type*	Code of course unit	Semester I					Semester II							
				C	S	L	P	Ver.	Crd.	C	S	L	P	Ver.	Crd.	
1.	Intellectual property in industrial business	SC	IT.M.3.03.F	1			1	E	3							
2.	Development of industrial businesses	AC	IT.M.4.04.F							2			2	E	4	
Total hours of non-compulsory course units per week assessments (Ver.) and credit points (Crd)				1	-	-	1			2			2			
Total				2				1E	3	4				1E	4	

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 AC Advanced course units

**) Partially assisted activities

***) C Lecture
 S Seminar
 L Laboratory work
 P Project
 Ver Assessment
 Crd Credit points

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GENERAL OVERVIEW I

No	Course units	No of hours		Total		Credit points	
		Year I	Year II	hours	%	Year I	Year II
1	Compulsory	280	168	448	57.15	30	30
2	Elective	168	168	336	42.85	30	30
TOTAL		784					
3	Non-compulsory	112	84	196	-	8	7

GENERAL OVERVIEW II

No	Course units	No of hours		Total		Credit points	
		Year I	Year II	hours	%	Year I	Year II
1	Fully assisted course units	448	336	784	50,00	40	30
2	Specialist practical activity	336	336	672	42,86	20	20
3	Practical activity for devising the dissertation	-	112	112	7,14	-	10
TOTAL		784	784	1568		60	60

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