

# Transilvania University of Braşov, Romania

## Study program: Engineering and Business Management

Faculty:	Technological Engineering and Industrial Management
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<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	Calculus	AM	2	2	-	-	4					
02	Physics	FIZ	2	-	2	-	5					
03	Chemistry	CHIM	2		2	-	5					
04	Applied software	IA	2	-	2	-	5					
05	Managerial communication	CM	2	2		-	5					
06	Legislation	DR	1	1	-	-	2					
07	Integration and professional development	IDP	1	1	-	-	2					
08	Physical Education and Sports 1	EFS1	-	-	1	-	1					
09	Computer programming and programming languages	PCLP						2	-	2	-	5
10	Technical drawing and infographic	DTI						3	-	2	2	6
11	Materials science and engineering	SIM						2	-	1	-	4
12	Basics of the economy	BE						2	2	-	-	4
13	Linear algebra, analytical and differential geometry	ALGAD						2	2	-	-	5
14	Mechanics and material resistance 1	MRM1						2	1	-	-	4
15	Physical Education and Sports 2	EFIS2						-	1	-	-	1
16	English language 1a	LM1a	1	1	-	-	2					
17	French language 1b	LM1b	1	1	-	-	2					
18	English language 2a	LM2a						1	1	-	-	2
19	French language 2b	LM2b						1	1	-	-	2

### 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	Numerical methods	METN	2	-	2	-	4					
02	Accounting	CONT	2	-	2	-	4					
03	Project to accounting	PCONT	-	-	-	1	2					
04	The basics of management	BM	2	1	-	-	4					
05	Economic statistic	SE	2	1	-	-	3					
06	Mechanisms and machine components 1	MOM1	2	-	-	1	3					
07	Mechanics and material resistance 2	MRM2	2	1	1	-	4					
08	Economic legislation	LE	2	1	-	-	3					

09	Physical Education and Sports 3	EFS3	-	1	-	-	1						
10	Basics of data processing	BDP						2	2	-	-	3	
11	Mechanisms and machine components 2	MOM2						2	-	1	-	3	
12	Structure and performance of products	SPP						2	-	1	1	4	
13	Finance and credit	FC						2	2	-	1	5	
14	Economic Forecasts	PE						2	2	-	-	4	
15	Marketing	Mk						2	1	-	-	3	
16	Marketing project	PMk						-	-	-	1	2	
17	Physical Education and Sports 4	EFS4						-	1	-	-	1	
18	Domain practice (90 hours / year)	PrD						-	-	-	-	4	
19	English language 3a	LM3a	1	1	-	-	2						
20	French language 3b	LM3b	1	1	-	-	2						
21	English language 4a	LBM4a						1	1	-	-	2	
22	French language 4b	LBM4b						1	1	-	-	2	

### 3<sup>nd</sup> Year

No. crt.	Course	Code	5 <sup>th</sup> Semester					6 <sup>th</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Organization of production	OP	2	2	-	-	4						
02	Quality engineering	IC	2	-	2	-	4						
03	Computerized product design 1	PIP1	2	-	2		5						
04	Business with innovative products	API	2	1	-	-	4						
05	Command and Drive Systems Engineering	ISCA	2	-	2	-	5						
06	The basics of product manufacturing	BFP	2	-	1	1	5						
07	Risk management in business	MRA						2	1	-	-	3	
08	Modelling and simulation of manufacturing systems	MSSP						2	-	1	1	4	
09	Computerized design of products 2	PIP2						2	-	2	1	4	
10	Technologies management	MnT						2	2	1	1	5	
11	Industrial machinery and equipment	MEI						2	-	2	-	4	
12	Practice in speciality (90 hours / year)	PrS						-	-	-	7	4	
13	Criminal law	DrP	2	2	-	-	3						
14	International law	DrI	2	2	-	-	3						
15	Human resources management	MRU						2	1	-	-	3	
16	Project Management	MP						2	1	-	-	3	
17	Industrial materials	MI						2	-	1	-	3	
18	Biotechnology	BioT						2	-	1	-	3	

### 4<sup>nd</sup> Year

No. crt.	Course	Code	7 <sup>th</sup> Semester					8 <sup>th</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Engineering of production systems	ISP	2	1	-	2	6						
02	Economical-financial analysis	AEF	2	1	-	1	5						
03	Logistics	LOG	2	-	2	-	4						
04	E-commerce	EC	2	1	-	-	3						
05	Developing business in services	DAS	2	2	-	-	4						
06	Feasibility and Efficiency of Investments	FEI	2	1	-	1	5						
07	International commerce*	CI						2	2	-	-	4	
08	Technological innovation*	IT						2	1	-	1	4	

09	Management Information Systems*	SIM						1	-	1	-	2
10	Engineering and Business Management*	IMA						2	2	-	2	5
11	Negotiation and ethics in business	NEA						2	2	-	-	3
12	Drafting the Diploma Project**	EPD						-	-	-	4	4
13	Practice for the Diploma Project (60 hour / year)	PPD						-	-	-	-	4
14	Money, banks, capital markets*	BBPC	1	1	-	-	3					
15	Strategic management	MS	1	1	-	-	3					
16	Marketing researches	CMk						1	1	-	-	2
17	Public policies	PP						1	1	-	-	2
18	Sustainable Development*	DD						1	1	-	-	2