

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)

1st Year

No. crt.	Course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Calculus	AM	4	2	2	-	-					
02	Physics	Fiz	5	2	-	2	-					
03	Chemistry	Chim	5	2	-	5	-					
04	Applied software	IA	5	2	-	2	-					
05	Managerial communication	CM	5	2	2	-	-					
06	Legislation	DR	2	1	1	-	-					
07	Integration and professional development	IDP	2	1	1	-	-					
08	Physical Education and Sports 1	EFS1	1	-	1	-	-					
09	Computer programming and programming languages	PCLP						5	2	-	2	-
10	Technical drawing and infographic	DTI						6	3	-	2	2
11	Materials science and engineering	SIM						4	2	-	1	-
12	Basics of the economy	BE						4	2	2	-	-
13	Linear algebra, analytical and differential geometry	ALGAD						5	2	2	-	-
14	Mechanics	Mec						4	2	1	-	-
15	Physical Education and Sports 2	EFIS2						1	-	1	-	-
16	English language 1a	LM1a	2	1	1	-	-					
17	French language 1b	LM1b	2	1	1	-	-					
18	English language 2a	LM2a						2	1	1	-	-
19	French language 2b	LM2b						2	1	1	-	-

2nd Year

No. crt.	Course	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Numerical methods	MetN	4	2	-	2	-					
02	Accounting	Cont	4	2	-	2	-					
03	Project to accounting	PCont	2	-	-	-	1					

04	The basics of management	BM	4	2	1	-	-						
05	Basics of data processing	BPD	4	2	-	1	-						
06	Mechanisms and machine components 1	MOM1	3	2	-	-	1						
07	Material resistance	RM	4	2	1	1	-						
08	Economic legislation	LE	3	2	1	-	-						
09	Physical Education and Sports 3	EFS3	1	-	1	-	-						
10	Economic statistic	SE						3	2	1	-	-	
11	Mechanisms and machine components 2	MOM2						3	2	-	1	-	
12	Structure and performance of products	SPP						4	2	-	1	1	
13	Finance and credit	FC						5	3	2	-	-	
14	Modelling and simulation of manufacturing systems	MSSP						4	2	-	1	1	
15	Marketing	Mk						3	2	1	-	-	
16	Marketing project	PMk						2	-	-	-	1	
17	Physical Education and Sports 4	EFS4						1	-	1	-	-	
18	Domain practice (90 hours / year)	PrD						4	-	-	-	-	
19	English language 3a	LM3a	2	1	1	-	-						
20	French language 3b	LM3b	2	1	1	-	-						
21	English language 4a	LBM4a						2	1	1	-	-	
22	French language 4b	LBM4b						2	1	1	-	-	

3rd Year

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

4nd Year

No. crt.	Course	Code	7 th Semester					8 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Engineering of production systems	ISP	6	2	1	-	2					
02	Economical-financial analysis	AEF	5	2	1	-	1					
03	Logistics	LOG	4	2	-	2	-					
04	E-commerce	EC	3	2	1	-	-					
05	Developing business in services	DAS	4	2	2	-	-					
06	Feasibility and Efficiency of Investments	FEI	5	2	1	-	1					
07	International commerce*	CI						4	2	2	-	-
08	Technological innovation*	IT						4	2	1	-	1
09	Management Information Systems*	SIM						2	1	-	1	-
10	Engineering and Business Management*	IMA						5	2	2	-	2
11	Negotiation and ethics in business	NEA						3	2	2	-	-
12	Drafting the Diploma Project**	EPD						4	-	-	-	14
13	Practice for the Diploma Project (60 hour / year)	PPD						4	-	-	-	-
14	Money, banks, capital markets*	BBPC	3	1	1	-	-					
15	Strategic management	MS	3	1	1	-	-					
16	Marketing researches	CMk						2	1	1	-	-
17	Public policies	PP						2	1	1	-	-
18	Sustainable Development*	DD						2	1	1	-	-
19	Business diagnosis and evaluation	DEA						2	1	1	-	-