

Transylvania University of Brasov, Romania

Study program: Industrial Economic Engineering

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	CAL	2	2			4						
02	Physics	PH	2		2		5						
03	Chemistry	CH	2		2		5						
04	Applied software	AS	2		2		5						
05	Communication management	CM	2	2			5						
06	Law	LAW	1	1			2						
07	Integration and professional development	IPD	1	1			2						
08	Physical education and sport	PES1		1			1						
09	Computer programming and programming languages	CPPL						2		2			5
10	Technical drawing and info- graphics	TDI						3		2	2		6
11	Material science and engineering	MSE						2		1			4
12	General economics	GE						2	2				4
13	Linear algebra, analytical and differential geometry	LAA						2	2				5
14	Mechanics	MEC						2	1				4
15	Physical Education and Sport	PES2							1				1
16	Modern language 1a	ML1a	1	1			2						
	Modern language 1b	ML1b											
	Modern language 2a	ML2a					1	1				2	
	Modern language 2b	ML2b											

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	NM	2		2		4						
02	Accountancy	ACC	2		2		4						
03	Accountancy - project	AP				1	2						
04	Basics of management	BM	2	1			4						
05	Economic statistics	ES	2	1			4						
06	Mechanisms and machine components 1	MMC1	2			1	3						

07	Strength of materials	SM	2	1	1		4						
08	Economic legislation	EL	2	1			3						
09	Physical Education and Sport	PES1		1			1						
10	Basics of data processing	BDP						2		2			3
11	Mechanisms and machine components 1	MMC2						2		1			3
12	Structure and performance of products	SPP						2	1		1		4
13	Finance and credit	FC						3	2				5
14	Modelling and simulation of economic systems	MSES						2		1	1		4
15	Marketing	MK						2	1				3
16	Project to marketing	PMK									1		2
17	Physical Education and sport	PES2							1				1
18	Domain practice (90 hours / year)	DP											4
19	Modern language 3a	ML3a	1	1			2						
	Modern language 3b	ML3b											
	Modern language 3a	ML3a						1	1				2
	Modern language 3b	ML3b											

3rd Year

No. crt.	Course	Code	5 th Semester					6 th Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Production management	PM	2	1			4						
02	Quality management	QM	2		2		4						
03	Basics of technological aided design 1	BTAD1	1		2	1	5						
04	Materials technology	MT	2		1	1	4						
05	Machine-tools command and driving	MTCD	2		2		5						
06	Machining	MAC	2		1	1	5						
07	Basics of technology 1	BT1						2		1			4
08	Basics of technological aided design 2	BTAD2						1		2	1		4
09	Tolerance and dimensional control	TDC						2		1	1		4
10	Cold forming systems and technologies	CFST						2		2			4
11	Manufacturing machines and equipment	MME						2		2			4
12	Practice in speciality (90 hours / year)	PS											4
13	Commercial law	CL	2	1			3						
	Labour law	LL											
15	Project management	SM						2	1				3
	Human resources management	HRM											
16	Basics of technology 2	BT2						2	1		1		3
	Machine tools	MT											

4th Year

No. crt.	Course	Code	7 th Semester					8 th Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Manufacturing systems engineering	MSE	2	1		2	6						
02	Economic analysis	EA	2	1		1	5						
03	Management of logistic activities	MLA	2		2		4						
04	Industrial design	ID	2	2			4						

05	Special systems and technologies	SST	2		1		3					
06	Analysis of investment projects	AIP	2	1		1	5					
07	Intern and international commerce	IIC						2	2			3
08	Computer aided control of manufacturing systems	CAC						2		1		3
09	Management informatics systems	MIS						1		2		3
10	Design of manufacturing systems	DMS						2	1		2	4
11	Environment management	EM						2	1			3
12	Materials supply management	MSM						2	1		1	4
13	Diploma project documentation	DPD									14	4
14	Practice for diploma project	PDP								30		4
15	Entrepreneurship	ENT	2	1			3					
	Community policies	CP										
16	Product life cycle management	PLCM						2	2			2
	Product analysis	PA										