

Transilvania University of Braşov, 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)
Organized form:	full time

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	Computer programming and programming languages	CPPL						2		2		5
09	Technical drawing and infographics	TDI						3		2	2	6
10	Material science and engineering	MSE						2		1		4
11	General economics	GE						2	2			4
12	Linear algebra, analytical and differential geometry	LAADG						2	2			5
13	Mechanics	MEC						2	1			4
14	Modern language 1a	ML1a	1	1			2					
	Modern language 1b	ML1b										
15	Modern language 2a	ML2a						1	1			2
	Modern language 2b	ML2b										
16	Physical education and sport	PE01/PE02		1			1		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	NM	2		2		4					
02	Accountancy	AC	2		2		4					
03	Accountancy - project	ACP				1	2					
04	Basics of management	BM	2	1			4					
05	Basics of data processing	BDP	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	Economic statistics	ES						2	1			3
10	Mechanisms and machine components 2	MMC2						2		1		3
11	Structure and performance of products	SPP						2		1	1	4
12	Finances and credit	FC						3	2			5
13	Modelling and simulation of production systems	MSPS						2	1		1	4
14	Marketing	MK						2	1			3
15	Marketing - project	MKP									1	2
16	Domain practice (90 hours / year)	DP										4
17	Modern language 3a	ML3a	1	1			2					
	Modern language 3b	ML3b										
18	Modern language 3a	ML3a						1	1			2
	Modern language 3b	ML3b										
19	Physical Education and sport	PE01/PE02		1			1		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	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	MA	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

No. crt.	Course	Code	5 th Semester					6 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
10	Cold forming systems and technologies	CFST						2		2		4
11	Manufacturing equipment	ME						2		2		4
12	Practice in specialty (90 hours / year)	PS										4
14	Commercial law	CL	2	1			3					
	Labour law	LL										
15	Project management	PM						2	1			3
	Human resources management	HRM										
16	Basics of technology 2	BT2						2	1		1	3
	Machine tools	MT										

4nd Year

No. crt.	Course	Code	7 th Semester					Semester VIII				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Manufacturing systems engineering	MSE	2	1		2	6					
02	Economical 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		1	4
11	Sustainable development management	SDM						2	1			3
12	Supply management	SM						2	1		1	4
13	Diploma project documentation	DPD									4	4
14	Practice for diploma project	PDP										4
15	Entrepreneurship	ENT	2	1			3					
	Community policy	CP										
16	Product life cycle management	PLCM						2	1			2
	Product analysis	PA										