

University POLITEHNICA of Bucharest
 Faculty of Engineering & Management of Technological
 Study programme Industrial Engineering CURRICULUM
 CURRICULUM 1st year / Academic year 2020- 2021 ly programme Industrial Engineering
 1st semester

No.	Name	ECTS	Hours					Evaluation
			1st semester					
			C	S	L	P	Research	
Compulsory courses (O)								
1	Experimental Research	4	2	0	2	0	0	E
2	Mechanical Behaviour of Engineering Materials	6	2	0	0	2	0	E
3	Advanced Production Planning and Scheduling	7	2	0	2	0	0	E
4	Experimental Research - Project	3	0	0	0	2	0	V
5	Scientific research 1/Practical stage 1	10					12	V
Optional courses (A)								
2								
Statistics compulsory hours								
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)		30	6	0	4	4	12	E / V
No. hours / week / semester			26					2
Elective courses (L)								
1	Proiectarea și managementul programelor educaționale	5	2	1	0	0	0	E
2								

2nd semester

No.	Name	ECTS	Hours					Evaluation
			1st semester					
			C	S	L	P	Research	
Compulsory courses (O)								
1	Additive Manufacturing	4	2	0	2	0	0	E
2	Mechatronics and Robotics	6	2	0	2	2	0	E
3	Industry 4.0	7	2	0	2	2	0	E
4	Additive Manufacturing - Project	3	0	0	0	2	0	V
5	Scientific research 2/Practical stage 2	10					12	V
Optional courses (A)								
1								
Statistics compulsory hours								
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)		30	6	0	6	6	12	E / V
No. hours / week / semester			30					3
Elective courses (L)								
1	Psihopedagogia adolescentilor,tinerilor si adultilor	5	2	1	0	0	0	E
2	Consiliere și orientare/ Multimedia în educație (Optional 1)	5	1	2	0	0	0	E

Decan,

Rector,
Mihnea COSTOIU

CURRICULUM 2st year
1st semester

No.	Name	ECTS	Hours					Evaluation
			1st semester					
			C	S	L	P	Research	
Compulsory courses (O)								
1	Factory Simulation	5	2	0	2	0	0	E
2	Technical Entrepreneurship for SME	4	2	0	2	0	0	E
3	Quality Engineering and Management	4	2	0	0	2	0	E
4	E-business in industrial engineering	5	2	0	0	2	0	E
5	Etică și integritate academică	2	1	0	0	0	0	V
6	Scientific research 3/ Practical stage 3	10					11	V
7								
Optional courses (A)								
2								
Statistics compulsory hours								
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)		30	9	0	4	4	11	E / V
No. hours / week / semester			28					1
Elective courses (L)								
1	Didactica domeniului si dezvoltari in didactica specializarii (invatamant liceal, postliceal)	5	2	1	0	0	0	E
2	Sociologia educatiei/ Educatie Interculturală (Optional 2)	5	1	2	0	0	0	E

2nd semester

No.	Name	ECTS	Hours					Evaluation
			1st semester					
			C	S	L	P	Research	
Compulsory courses (O)								
30	Scientific research 4/Practical stage 4 (inclusiv definitivare lucrare de disertatie)	30					28	V
Optional courses (A)								
1								
Statistics compulsory hours								
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)		30	0	0	0	0	28	E / V
No. hours / week / semester			28					1
Elective courses (L)								
1	Practică pedagogică (invatamant liceal, postliceal)	5	0	0	0	3	0	V
2	Examen de absolvire, Nivelul II	5						E

Centralised plan	ECTS	Hours					Evaluation
		1st semester					
		C	S	L	P	Research	
Compulsory courses (O)	120	21	0	14	14	63	10E/7V
Optional courses (A)	0	0	0	0	0	0	0
Elective courses (L)	35	8	7	0	3	0	6E/1V

Decan,

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