



## Plan de învățământ licență

2022 - 2026



Anul universitar: 2022 - 2023

Domeniul:  
Programul de studii:

Industrial Engineering  
Industrial Engineering

Anul de studii: I  
Semestrul: I

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare		
					C	S	L	P	Activități asistate	Stud. Ind.			
<b>Discipline Obligatorii (Ob)</b>													
1	UPB.06.D.01.O.001	Technical Mechanics	D	5	2	0	2	0	56	69	E		
2	UPB.06.F.01.O.002	Chemistry	F	4	2	0	2	0	56	44	E		
3	UPB.06.F.01.O.003	Linear algebra, analytic and differential geometry	F	5	2	2	0	0	56	69	E		
4	UPB.06.F.01.O.004	Computer Programming 1 *	F	5	2	0	2	2	84	41	V		
5	UPB.06.C.01.O.005	Communication *	C	4	2	0	2	0	56	44	E		
6	UPB.06.C.01.O.006	English language *	C	4	1	0	1	0			V		
7	UPB.06.C.01.A.007	A1.1	C						0	0			
8									0	0			
<b>Discipline opționale (Op)</b>													
9	UPB.06.C.01.A.007	Foreign Languages 1 - French	C	3	1	0	1	0	28	47	V		
10	UPB.06.C.01.A.007	Foreign Languages 1 - Romanian											
11													
12													
<b>Statistici:</b>				ECTS/Ore:	30	12	2	10	2	378	297	Ex.	Ver.
				Număr:		7	7	7	7			4	3
<b>Discipline facultative (F)</b>													
13	UPB.06.C.01.L.001	Sport**	C	2	0	1	0	0	14	36	V		
14	UPB.06.C.01.L.002	Ethics	C	5	2	2	0	0			V		
15	UPB.06.C.01.L.003	Psihologia educației	C	5	2	2	0	0	56	69	E		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>			<b>24</b>								
		<b>Discipline Opționale:</b>			<b>2</b>								
		<b>Discipline Facultative:</b>			<b>9</b>								

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Cristian DOICIN

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## Plan de învățământ licență

2022 - 2026



Anul univ. 2022 - 2023

**Domeniul:**  
**Programul de studii:**

**Industrial Engineering**  
**Industrial Engineering**

**Anul de studii: I**  
**Semestrul: II**

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare		
					C	S	L	P	Activități asistate	Stud. Ind.			
<b>Discipline Obligatorii (Ob)</b>													
1	UPB.06.D.02.O.001	Mechanics of Materials 1	D	6	2	2	1	0	70	80	E		
2	UPB.06.F.02.O.002	Mathematical analysis	F	6	2	2	0	0	56	94	E		
3	UPB.06.F.02.O.003	Physics	F	5	2	0	2	0	56	69	E		
4	UPB.06.D.02.O.004	Materials Science	D	5	2	0	2	0	56	69	E		
5	UPB.06.F.02.O.005	Computer Programming 2 *	F	5	2	0	2	2	84	41	V		
6	UPB.06.C.02.A.006	A1.2											
7									0	0			
8									0	0			
<b>Discipline opționale (Op)</b>													
9	UPB.06.C.02.A.006	European Culture and Civilization	C	3	2	1	0	0	3	3	V		
10	UPB.06.C.02.A.006	European Integration											
11									0	0			
12													
<b>Statistici:</b>				<b>ECTS/Ore:</b>	<b>30</b>	<b>12</b>	<b>5</b>	<b>7</b>	<b>2</b>	<b>378</b>	<b>297</b>	<b>Ex.</b>	<b>Ver.</b>
				<b>Număr:</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>			<b>4</b>	<b>2</b>
<b>Discipline facultative (F)</b>													
13	UPB.06.C.02.L.001	Sport**	C	2	0	1	0	0	14	36	V		
14	UPB.06.D.02.L.002	Practical stage (90 hours/3 weeks)	D	2	90 de ore				0	50	V		
15	UPB.06.C.02.L.003	Foreign Languages 2 - French	C	5	1	0	1	0	28	97	V		
16	UPB.06.C.02.L.004	Foreign Languages 2 - English	C	5	1	0	1	0	28	97	V		
17	UPB.06.C.02.L.005	Pedagogie 1	C	5	2	2	0	0	56	69	E		
18	UPB.06.C.02.L.006	Volunteering 1 (14weeksx5h/week=70h)	C	3	70 hours				0	75	V		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>			<b>23</b>								
		<b>Discipline Opționale:</b>			<b>3</b>								
		<b>Discipline Facultative:</b>			<b>9</b>								

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Prenume NUME

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\*\*Two SPORT semesters will be mandatory for all four years



## Plan de învățământ licență

2022 - 2026



Anul universitar: 2023 - 2024

Domeniul:  
Programul de studii:Industrial Engineering  
Industrial EngineeringAnul de studii: II  
Semestrul: I

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare	
					C	S	L	P	Activități asistate	Stud. Ind.		
<b>Discipline Obligatorii (Ob)</b>												
1	UPB.06.F.03.O.001	Technical Drawing	F	6	2	1	2	0	70	80	V	
2	UPB.06.D.03.O.002	Mechanics of Materials 2	D	7	2	2	2	0	84	91	E	
3	UPB.06.F.03.O.003	Probability and Statistics	F	5	2	2	0	0	56	69	E	
4	UPB.06.D.03.O.004	Computer Aided Design 1	D	6	2	0	2	1	70	80	E	
5	UPB.06.F.03.O.005	Computer Programming 3 (Databases) *	F	6	2	0	2	2	84	66	V	
6												
7									0	0		
8									0	0		
<b>Discipline opționale (Op)</b>												
9									0	0		
10												
11									0	0		
12												
<b>Statistici:</b>			<b>ECTS/Ore:</b>	30	<b>10</b>	<b>5</b>	<b>8</b>	<b>3</b>	<b>378</b>	<b>297</b>	<b>Ex.</b>	<b>Ver.</b>
			<b>Număr:</b>		<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>			<b>3</b>	<b>2</b>
<b>Discipline facultative (F)</b>												
13	UPB.06.C.03.L.001	Sport	C	2	0	1	0	0	14	36	V	
14	UPB.06.C.03.L.002	Foreign Languages 3 - French	C	5	2	0	2	0	56	69	V	
15	UPB.06.C.03.L.003	Foreign Languages 3 - English	C	5	2	0	2	0	56	69	V	
16	UPB.06.C.03.L.004	Pedagogie 2	C	5	2	2	0	0	56	69	E	
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>							<b>26</b>			
		<b>Discipline Opționale:</b>							<b>0</b>			
		<b>Discipline Facultative:</b>							<b>13</b>			

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## Plan de învățământ licență

2022 - 2026



Anul univ. 2023 - 2024

Domeniul:  
Programul de studii:Industrial Engineering  
Industrial EngineeringAnul de studii: II  
Semestrul: II

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare	
					C	S	L	P	Activități asistate	Stud. Ind.		
<b>Discipline Obligatorii (Ob)</b>												
1	UPB.06.D.04.O.001	Tolerances Design	D	4	2	0	2	0	56	44		
2	UPB.06.D.04.O.002	Materials Technology	D	5	2	0	2	0	56	69		
3	UPB.06.C.04.O.003	Economics	C	4	3	1	0	0	56	44		
4	UPB.06.D.04.O.004	Computer Aided Design 2	D	5	2	0	2	2	84	41		
5	UPB.06.D.04.O.005	Machine elements	D	5	2	0	1	2	70	55		
6	UPB.06.D.04.L.002	Practical Stage (90 hours / 3 weeks)	D	4	0	0	0	0	0	100		
	UPB.06.D.04.A.006	A2.1							0	0		
7									0	0		
<b>Discipline opționale (Op)</b>												
9	UPB.06.D.04.A.006	Modelling and simulation	D	3	2	0	1	0	42	33		
10	UPB.06.D.04.A.006	Mechanical Vibrations										
11									0	0		
12												
<b>Statistici:</b>			ECTS/Ore:	30	13	1	8	4	378	297	Ex.	Ver.
			Număr:		7	7	7	7			0	0
<b>Discipline facultative (F)</b>												
13	UPB.06.C.04.L.001	Sport	C	2	0	1	0	0	14	36		
14	UPB.06.C.04.L.003	Foreign Languages 4 - French	C	5	2	0	2	0				
15	UPB.06.C.04.L.004	Foreign Languages 4 - Romanian	C	5	2	0	2	0				
16	UPB.06.C.04.L.005	Didactica specialitatii	C	5	2	2	0	0				
17	UPB.06.C.04.L.006	Volunteering 2 (14weeksx5h/week=70h)	C	3					0	75		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>			<b>23</b>							
		<b>Discipline Opționale:</b>			<b>3</b>							
		<b>Discipline Facultative:</b>			<b>13</b>							

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## Plan de învățământ licență

2022 - 2026



Anul univerversitar: 2024 - 2025

Anul de studii: III

Semestrul: I

Domeniul:  
Programul de studii:

Industrial Engineering  
Industrial Engineering

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare	
					C	S	L	P	Activități asistate	Stud. Ind.		
<b>Discipline Obligatorii (Ob)</b>												
1	UPB.06.D.05.O.001	Mechanical Systems Design	D	4	2	0	2	0	56	44	E	
2	UPB.06.S.05.O.002	Instrumentation and Measurement	S	4	2	0	2	0	56	44	E	
3	UPB.06.S.05.O.003	System and Project Management *	S	6	2	0	0	2	56	94	E	
4	UPB.06.S.05.O.004	Manufacturing Processes 1	S	6	2	0	2	0	56	94	E	
5	UPB.06.S.05.O.005	Computer Aided Engineering	S	6	3	0	1	2	84	66	V	
6	UPB.06.D.05.A.006	A3.1										
7									0	0		
8									0	0		
<b>Discipline opționale (Op)</b>												
9	UPB.06.S.05.A.006	Biomechanical Structures	D	4	2	0	2	0	56	44	V	
10	UPB.06.D.05.A.006	Finite Element Analysis of Solids										
11									0	0		
12												
<b>Statistici:</b>			ECTS/Ore:	30	13	0	9	4	378	297	Ex.	Ver.
			Număr:		6	6	6	6			4	2
<b>Discipline facultative (F)</b>												
13	UPB.06.C.05.L.003	Instruire asistata de calculator	C		1	1	0	0	28	22		
14	UPB.06.C.05.L.004	Practica pedagogica in invatamantul universitar obligatoriu (1)	C		0	3	0	0				
15	UPB.06.C.05.L.005	Psychology	C		2	0	2	0	56	69		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>					<b>22</b>					
		<b>Discipline Opționale:</b>					<b>4</b>					
		<b>Discipline Facultative:</b>					<b>9</b>					

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## Plan de învățământ licență

2022 - 2026



Anul universitar: 2024 - 2025

Domeniul:  
Programul de studii:

Industrial Engineering  
Industrial Engineering

Anul de studii: III  
Semestrul: II

Nr. Crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare		
					C	S	L	P	Activități asistate	Stud. Ind.			
<b>Discipline Obligatorii (Ob)</b>													
1	UPB.06.S.06.O.001	Production and Operation Management	S	5	2	0	1	2	70	55	E		
2	UPB.06.D.06.O.002	Machine Tools	D	4	2	0	1	1	56	44	E		
3	UPB.06.S.06.O.003	Robotics	S	4	2	0	2	0	56	44	E		
4	UPB.06.S.06.O.004	Manufacturing Processes 2	S	2	2	0	1	0	42	8	E		
5	UPB.06.S.06.O.005	Manufacturing Processes 2 - Project	S	2	0	0	0	2	28	22	V		
6	UPB.06.S.06.O.006	Engineering Economics	S	4	2	0	2	0			V		
7	UPB.06.S.06.O.007	A3.2							0	0			
8	UPB.06.S.06.A.008	Practică	DS	6	270 (10 săptămâni * 6h/zi)						V		
<b>Discipline opționale (Op)</b>													
9	UPB.06.S.06.A.007	Supply Chain Management	S	3	2	0	0	2	56	19	E		
10		Industrial Management											
11													
12													
<b>Statistici:</b>				ECTS/Ore:	30	12	0	7	7	378	297	Ex.	Ver.
				Număr:		7	7	7	7			5	4
<b>Discipline facultative (F)</b>													
13	UPB.06.C.06.L.003	Mangementul clasei de elevi	C	3	1	1	0	0	28	47	E		
14	UPB.06.C.06.L.004	Practică pedagogică în învățământul superior obligatoriu (2)	C	2	0	3	0	0	42	8	V		
15	UPB.06.C.06.L.005	Examen absolvire, Nivel I	C	5	0	0	0	0	0	125	E		
16	UPB.06.C.06.L.006	Volunteering 3 (14weeksx5h/week=70h)	C	3	70 HOURS				0	75	V		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>	<b>22</b>										
		<b>Discipline Opționale:</b>	<b>4</b>										
		<b>Discipline Facultative:</b>	<b>5</b>										

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## Plan de învățământ licență

2022 - 2026



Anul univ. 2025 - 2026

Domeniul:  
Programul de studii:

Industrial Engineering  
Industrial Engineering

Anul de studii: IV  
Semestrul: I

Nr. crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare	
					C	S	L	P	Activități asistate	Stud. Ind.		
<b>Discipline Obligatorii (Ob)</b>												
1	UPB.06.D.07.O.001	Computer Aided Manufacturing	D	6	3	0	1	2	84	66	E	
2	UPB.06.S.07.O.002	Industrial Logistics	S	7	3	0	1	2	84	91	E	
3	UPB.06.S.07.O.003	Product Design and Development	S	5	2	0	2	0	56	69	E	
4	UPB.06.S.07.O.004	Product Design and Development - Project	S	2	0	0	0	2	28	22	V	
5	UPB.06.S.07.O.005	Integrated Production Systems	S	7	3	0	1	2	84	91	E	
6	UPB.06.S.07.A.001	A4.1										
7									0	0		
8									0	0		
<b>Discipline opționale (Op)</b>												
9	UPB.06.S.07.A.001	Leadership Lab	S	3	1	0	1	0	28	47	V	
10	UPB.06.S.07.A.001	Internship Lab										
11									0	0		
12												
<b>Statistici:</b>			ECTS/Ore:	30	12	0	6	8	<b>378</b>	<b>297</b>	Ex.	Ver.
			Număr:		6	6	6	4			2	
<b>Discipline facultative (F)</b>												
13	UPB.06.C.07.L.001	Intercultural cooperation	C	5	2	2	0	0	56	69	V	
14												
15									0	0		
<b>TOTAL NUMĂR DE ORE</b>		<b>Discipline Obligatorii:</b>			<b>24</b>							
		<b>Discipline Opționale:</b>			<b>2</b>							
		<b>Discipline Facultative:</b>			<b>4</b>							

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## Plan de învățământ licență

2022 - 2026



Anul univ. 2025 - 2026

Anul de studii: IV

Semestrul: II

Domeniul:  
Programul de studii:

Industrial Engineering  
Industrial Engineering

Nr. Crt.	Codul disciplinei	Denumirea disciplinei	Tip disciplină	Nr. ECTS	Ore/săptămână				Total ore		Forma de evaluare		
					C	S	L	P	Activități asistate	Stud. Ind.			
<b>Discipline Obligatorii (Ob)</b>													
1	UPB.06.S.08.O.001	Entrepreneurship and Innovation *	S	6	4	0	0	2	84	66	V		
2	UPB.06.S.08.O.002	Technology Strategy	S	7	3	0	0	3	84	91	V		
3	UPB.06.D.08.O.003	Quality Assurance	D	7	3	0	1	2	84	91	V		
4	UPB.06.D.08.O.004	Graduate project	D	4	0	0	0	4	56	44	V		
5	UPB.06.S.08.O.005	Practical stage for Graduate Project/Interdisciplinary project European Project Semester	S	6	60 ore (2 sapt *30h/s)						V		
<b>Discipline opționale (Op)</b>													
6									0	0	V		
7													
<b>Statistici:</b>				ECTS/Ore:	30	10	0	1	11	308	292	Ex.	Verif.
				Număr:		4	4	4	4			0	6
<b>Discipline facultative (F)</b>													
8	UPB.06.C.08.L.003	Organizational Management	C	5	2	2	0	0	56	69	V		
9	UPB.06.C.08.L.004	Volunteering 4 (14weeksx5h/week=70h)	C	3	70 hours				0	0	V		
10													

Promovarea examenului de diplomă		10	
<b>TOTAL NUMĂR DE ORE</b>	<b>Discipline Obligatorii:</b>	<b>22</b>	
	<b>Discipline Opționale:</b>	<b>0</b>	
	<b>Discipline Facultative:</b>	<b>4</b>	

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