

PLAN DE INVATAMANT	CURRICULUM
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Anul:	1	Year
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Semestrul:	1 (1)	Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
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Discipline Obligatorii	Compulsory subjects
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Discipline Fundamentale	Fundamental subjects
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UPB.12.F.1.O.0.EE	Calculus I	E	3	2			6
UPB.12.F.1.O.002.EE	Linear Algebra	E	2	2			4
UPB.12.F.1.O.022.EE	Programming Languages	E	2		2		4
UPB.12.F.1.O.023.EE	Engineering Graphics I	C	1		1		3
UPB.12.F.1.O.031.EE	Chemistry	E	2	1			3

Discipline complementare	Complementary subjects
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UPB.12.C.1.O.001.EE	Professional communication	C		2			2
UPB.12.C.1.O.002.EE	European Culture and Civilisation I	C	1	1			2

Discipline domeniu	Domain subjects
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UPB.12.D.1.O.003.EE	Discrete Mathematics	E	2	1			3
UPB.12.D.1.O.021.EE	Introduction to Information Technology	C	1		1		3

27	14	9	4	30
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Discipline la Alegere	Optional subjects
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Discipline complementare	Complementary subjects
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UPB.12.C.1.A.001.EE	Foreign language b (Spanish Language 1)	V		2			2
UPB.12.C.1.A.002.EE	Physical Education I	V		2			2

Discipline la alegere Libera	Free choice subjects
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Discipline complementare	Complementary subjects
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UPB.12.C.1.L.003.EE	Limba si cultura Romana (pentru straini)	V		2			2
UPB.12.C.1.L.005.EE	English for Engineering Academic Study 1	V	1	1			2

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PLAN DE INVATAMANT

CURRICULUM

Anul: **1** **Year**

Semestrul: **2 (2)** **Semester**

Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline Fundamentale							Fundamental subjects
UPB.12.F.2.O.001.EE	Calculus II	E	3	2			6
UPB.12.F.2.O.011.EE	Physics I	E	2	1	1		5
UPB.12.F.2.O.012.EE	Theoretical Mechanics	C	1	1			2
Discipline specialitate							Specialty subjects
UPB.12.S.2.O.001.EE	Collaborative Work 1	C		2			2
UPB.12.S.2.O.024.EE	Introduction to Web Programming	E	2		2		4
Discipline complementare							Complementary subjects
UPB.12.C.2.O.002.EE	European Culture and Civilisation II	C	1	1			2
Discipline domeniu							Domain subjects
UPB.12.D.2.O.022.EE	Computer Architecture	C	2		2		4
UPB.12.D.2.O.023.EE	Data Structures and Algorithms	E	2		2		5
		27	13	7	7		30
Discipline la Alegere							Optional subjects
Discipline complementare							Complementary subjects
UPB.12.C.2.A.001.EE	Foreign language b (Spanish Language 2)	V		2			2
UPB.12.C.2.A.002.EE	Physical Education	V		2			2
Discipline la alegere Libera							Free choice subjects
Discipline complementare							Complementary subjects
UPB.12.C.2.L.003.EE	Limba si cultura romana (pentru straini)	V		2			2
UPB.12.C.2.L.004.EE	Pedagogie 1	V	2	2			5
UPB.12.C.2.L.005.EE	English for Engineering Academic Study 2	V	1	1			2

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Anul:	2		Year
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Semestrul:	3	(1)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline Fundamentale						Fundamental subjects	
UPB.12.F.3.O.001.EE	Mathematics for Engineers I	E	2	2			5
UPB.12.F.3.O.002.EE	Probabilities & Statistics	C	1	1			2
UPB.12.F.3.O.011.EE	Physics II	E	2		1		4
Discipline specialitate						Specialty subjects	
UPB.12.S.3.O.001.EE	Colaborative work II	C		2			2
Discipline complementare						Complementary subjects	
UPB.12.C.3.O.001.EE	Microeconomics	C	1	1			2
Discipline domeniu						Domain subjects	
UPB.12.D.3.O.012.EE	Electromagnetics	E	3	2			5
UPB.12.D.3.O.013.EE	Foundamentals of Circuit Theory	E	3	2			6
UPB.12.D.3.O.021.EE	Object Oriented Programming	V	2		2		4
		27	14	10	3		30
Discipline la alegere Libera							Free choice subjects
Discipline complementare						Complementary subjects	
UPB.12.C.3.L.002.EE	Limba si cultura romana (pentru straini)	V		2			2

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Anul:	2		Year
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Semestrul:	4 (2)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline Fundamentale							Fundamental subjects
UPB.12.F.4.O.001.EE	Mathematics for Engineers II	E	2	2			5
UPB.12.F.4.O.023.EE	Numerical Methods	C	2		2		3
Discipline specialitate							Specialty subjects
UPB.12.S.4.O.001.EE	Technical writing	C		2			2
Discipline complementare							Complementary subjects
UPB.12.C.4.O.001.EE	Macroeconomics	C	1	1			2
Discipline domeniu							Domain subjects
UPB.12.D.4.O.012.EE	Field Analysis and Modelling	E	2		1		3
UPB.12.D.4.O.013.EE	Circuit Analysis and Modelling	E	2		2		5
UPB.12.D.4.O.014.EE	Electric Meas and Transducers	C	3		2		5
UPB.12.D.4.O.016.EE	Operating Systems	E	3		1	1	5
		29	15	5	8	1	30
Discipline la alegere Libera							Free choice subjects
Discipline complementare							Complementary subjects
UPB.12.C.4.L.002.EE	Limba si cultura romana (pentru straini)	V		2			2

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Anul:	3		Year
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Semestrul:	5 (1)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline specialitate							Specialty subjects
UPB.12.S.5.O.001.EE	Reliability and Quality Control	C	2		1		3
UPB.12.S.5.O.004.EE	Data Transmissions	E	2		1		3
Discipline complementare							Complementary subjects
UPB.12.C.5.O.041.EE	Money and Banking	C	1	1			2
Discipline domeniu							Domain subjects
UPB.12.D.5.O.001.EE	Electronic Devices and Circuits I	E	2		1		3
UPB.12.D.5.O.002.EE	Algorithm Design and Complexity	C	2		1		3
UPB.12.D.5.O.002.EE	Signal Theory	E	2	1			4
UPB.12.D.5.O.003.EE	Computer Networks	E	3		2		5
UPB.12.D.5.O.005.EE	Databases	E	2		1	1	4
UPB.12.D.5.O.015.EE	Advanced Computer Graphics	C	1		1		3
		28	17	2	8	1	30

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Anul:	3		Year
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Semestrul:	6 (2)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline specialitate							Specialty subjects
UPB.12.S.6.O.001.EE	High Frequencies and Microwaves	E	2		1	1	3
UPB.12.S.6.O.002.EE	Digital Signal Processing	E	3		1	1	4
UPB.12.S.6.O.003.EE	Neural Networks and Genetic Algorithms	E	2		1		2
UPB.12.S.6.O.003.EE	Multiplexed Transm.Syst.	E	2		1	1	4
UPB.12.S.6.O.004.EE	Human-Computer Interaction	E	2		1		3
UPB.12.S.6.O.007.EE	Practical Workshop	C					6
Discipline complementare							Complementary subjects
UPB.12.C.6.O.041.EE	Business Administration	C	1	1			2
Discipline domeniu							Domain subjects
UPB.12.D.6.O.001.EE	Electronic Devices and Circuits II	E	2		1		3
UPB.12.D.6.O.002.EE	Analog Integrated Circuits	E	2		1		3
		27	16	1	7	3	30
Discipline la alegere Libera							Free choice subjects
Discipline specialitate							Specialty subjects
UPB.12.S.6.L.051.EE	Mobile device application development	V	2		1		3

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Anul:	4		Year
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Semestrul:	7 (1)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii							Compulsory subjects
Discipline specialitate							Specialty subjects
UPB.12.S.7.O.002.EE	Image Processing	E	3		1	1	6
UPB.12.S.7.O.003.EE	Analog & Digital Transmissions	E	2		1	1	5
UPB.12.S.7.O.005.EE	Microprocessor Systems	E	2		1	1	4
UPB.12.S.7.O.007.EE	Foundamentals of Software Engineering	V	2		1	1	3
Discipline complementare							Complementary subjects
UPB.12.C.7.O.041.EE	Foundamentals of Management	C	1	1			2
Discipline domeniu							Domain subjects
UPB.12.D.7.O.001.EE	Digital Integrated Circuits & Microcontrollers	E	3		1	1	6
UPB.12.D.7.O.004.EE	Broadcasting & Television	E	2		1	1	4
		28	15	1	6	6	30

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Anul:	4		Year
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Semestrul:	8	(2)		Semester
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Codul materiei Code	MATERIA Subject	Verif. Verif.	Curs Course	Sem Tutorial	Lab Lab	Proiect Project	Credite Credits
Discipline Obligatorii Compulsory subjects							
Discipline specialitate Specialty subjects							
UPB.12.S.8.O.003.EE	Medical Electronics	C	3		1	1	5
UPB.12.S.8.O.004.EE	Diploma Project	V			8		10
UPB.12.S.8.O.042.EE	Architectures and Protocols for Integrated Net	V	2		1		3
Discipline complementare Complementary subjects							
UPB.12.C.8.O.041.EE	Industrial Management	V	1	1			2
Discipline domeniu Domain subjects							
UPB.12.D.8.O.002.EE	Optoelectronic Devices	C	3		1	1	5
UPB.12.D.8.O.004.EE	Electric CAD	C	2		1	1	5
		27	11	1	12	3	30
Discipline la Alegere Optional subjects							
Discipline specialitate Specialty subjects							
UPB.12.S.8.A.009.EE	Security and Encryption	C	2		1		3

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