

CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0217	General chemistry	FD	2	-	2	-	56	Ex	4	44	
STII-0752	Basics of inorganic chemistry	FD	2	-	2	-	56	Ex	6	94	
STII-0203	Basic Organic Chemistry	FD	3	-	2	-	70	Ex	6	80	
STII-0051	Mathematics I (Algebra and geometry)	CD	1	1	-	-	28	Ex	3	47	
STII-0137	Physics I (Molecular Physics and Heat)	CD	2	-	1	-	42	Ex	5	83	
STII-0266	Computer science	CD	1	-	2	-	42	Cv	4	58	
STII-0465	English I	CD	-	1	-	-	14	Vp	2	36	
TOTAL			11	2	9	-	308		30	442	
STII-0651	Sport I	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0511	Second Foreign Language I	CD	-	-	1	-	14	Vp	2	36	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0763	Chemistry of non-metals	FD	2	-	2	-	56	Ex	4	44	
STII-0220	Organic Chemistry simple functions	FD	2	-	2	-	56	Ex	5	69	
STII-0206	Qualitative Analytical Chemistry	FD	2	-	2	-	56	Ex	5	69	
STII-0138	Physics II (Electricity and magnetism, optics)	CD	2	-	1	-	42	Ex	4	58	
STII-0052	Mathematics II (Mathematical Analysis)	CD	1	1	-	-	28	Ex	3	47	
STII-0233	Mechanisms of Reactions in Organic Chemistry	SD	2	2	-	-	56	Ex	4	44	
STII-0466	English II	CD	-	1	-	-	14	Vp	2	36	
STII-0786	Traineeship I	SD	-	-	-	-	60	Cv	3	15	
TOTAL			11	4	7	-	368		30	382	
STII-0652	Sport II	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0512	Second Foreign Language II	CD	-	-	1	-	14	Vp	2	36	

Legend: C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;
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Head of departament ,
 Associate Professor Dr. Oana Delia STĂNĂȘEL

RECTOR,
 Professor Dr. BUNGĂU Constantin

DEAN,
 Professor Dr. MACOCIAN Eugen-Victor

CURRICULUM **
Year of study II

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0753	Metal chemistry	FD	2	-	2	-	56	Ex	6	94	
STII-0219	Organic Chemistry mix functions and heterocyclic compounds	FD	2	-	2	-	56	Ex	6	94	
STII-0207	Quantitative Analytical Chemistry	FD	2	-	2	-	56	Ex	6	94	
STII-0754	The structure and properties of molecules	FD	2	-	2	-	56	Ex	5	69	
STII-0467	English III	CD	-	1	-	-	14	Vp	2	36	
TOTAL			8	1	8	-	238		25	387	
OBLIGATORII OPd'z'IONALE											
STII-0671	Trace analysis techniques	SD	2	-	3	-	70	Ex	5	55	
STII-0672	Catalysis	SD	2	-	3	-	70	Ex	5	55	
TOTAL			2	-	3	-	70		5	55	
STII-0653	Sport III	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0513	Second Foreign Language III	CD	-	1	-	-	14	Vp	2	36	
STII-0470	History of sciences	CD	1	1	-	-	28	Cv	3	47	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0755	Instrumental analysis	FD	2	-	2	-	56	Ex	5	69	
STII-0756	Chemical thermodynamics	FD	2	-	2	-	56	Ex	5	69	
STII-0757	Physico-chemical bases of Chemical Technology	FD	2	-	2	-	56	Ex	5	69	
STII-0391	Biochemistry I	CD	2	-	2	-	56	Ex	5	69	
STII-0468	English IV	CD	-	1	-	-	14	Vp	2	36	
STII-0787	Traineeship II	SD	-	-	-	-	90	Cv	3	0	
TOTAL			8	1	8	-	328		25	312	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0231	Electrochemistry	SD	2	-	3	-	70	Ex	4	30	
STII-0673	Advanced techniques in instrumental analysis	SD	2	-	3	-	70	Ex	4	30	
PACHET 2											
STII-0765	Academic Ethics and Integrity	CD	1	-	-	-	14	Cv	1	11	
STII-0794	Antreprenorship in Natural Sciences Domain	CD	1	-	-	-	14	Cv	1	11	
TOTAL			3	-	3	-	84		5	41	
STII-0654	Sport IV	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0514	Second Foreign Language IV	CD	-	1	-	-	14	Vp	2	36	
STII-0295	Human Anatomy and physiology	CD	2	-	1	-	42	Cv	4	58	

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Year of study III

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0758	Chemical kinetics	FD	2	-	2	-	56	Ex	6	94	
STII-0759	Methods of separation	FD	2	-	2	-	56	Ex	6	94	
STII-0248	Biochemistry II	CD	2	-	2	-	56	Cv	6	94	
TOTAL			6	-	6	-	168		18	282	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0226	Natural Compounds	SD	2	-	3	-	70	Ex	6	80	
STII-0224	Biological Active Compounds	SD	2	-	3	-	70	Ex	6	80	
PACHET 2											
STII-0227	Organometallic compounds	SD	2	-	3	-	70	Ex	6	80	
STII-0213	Compounds Coordinative Chemistry	SD	2	-	3	-	70	Ex	6	80	
TOTAL			4	-	6	-	140		12	160	
FACULTATIVE											
STII-0764	Drug chemistry	SD	2	-	2	-	56	Ex	5	69	
STII-0792	Life skills	CD	1	-	-	-	14	Vp	1	11	
STII-0793	Career Coaching	CD	1	-	-	-	14	Vp	1	11	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0204	Chemistry of materials	SD	2	-	2	-	48	Ex	5	77	
STII-0413	Elaboration of degree theses	SD	-	-	2	-	24	A/R	4	76	
TOTAL			2	-	4	-	72		9	153	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0405	Environmental chemistry	SD	2	-	2	-	48	Ex	5	77	
STII-0760	Quality assurance and standardization	SD	2	-	2	-	48	Ex	5	77	
PACHET 2											
STII-0761	Chemical technology	SD	2	-	2	-	48	Ex	5	77	
STII-0234	Chromatographic methods of analysis	SD	2	-	2	-	48	Ex	5	77	
PACHET 3											
STII-0675	Nuclear Chemistry	SD	2	2	-	-	48	Ex	5	77	
STII-0676	The structure of inorganic compounds	SD	2	2	-	-	48	Ex	5	77	
PACHET 4											
STII-0225	Macromolecular Compounds	SD	2	-	3	-	60	Cv	6	90	
STII-0223	Colloids	SD	2	-	3	-	60	Cv	6	90	
TOTAL			8	2	7	-	204		21	321	
FACULTATIVE											
STII-0751	Clinical Biochemistry	CD	1	-	2	-	36	Cv	3	39	

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VIII. DISTRIBUTION OF CREDITS ACCORDING TO COMPETENCES (TABLES NRQHE /ARACIS - Grid 1 *)

No.	Discipline**	Sem.	Number of credits	Professional Competences						Transversal Competences		
				C1	C2	C3	C4	C5	C6	CT1	CT2	CT3
1.	General chemistry	I	4	1	1	1					1	
2.	Basics of inorganic chemistry	I	6	1	1	1	1			1	1	
3.	Basic Organic Chemistry	I	6	1	1	1	1			1	1	
4.	Mathematics I (Algebra and geometry)	I	3			1	1				1	
5.	Physics I (Molecular Physics and Heat)	I	5	1	1	1	1				1	
6.	Computer science	I	4				1		1		1	1
7.	English I	I	2									2
8.	Sport I	I	3							2	1	0
9.	Second Foreign Language I	I	2									2
10.	Chemistry of non-metals	II	4	1	1	1			1			
11.	Organic Chemistry simple functions	II	5	1	1			1	1	1		
12.	Qualitative Analytical Chemistry	II	5			1	1	1	1	1		
13.	Physics II (Electricity and magnetism, optics)	II	4	1		1	1				1	
14.	Mathematics II (Mathematical Analysis)	II	3			1	1				1	
15.	Mechanisms of Reactions in Organic Chemistry	II	4	2						1		1
16.	English II	II	2									2
17.	Traineeship I	II	3					1	1	1		
18.	Sport II	II	3							2	1	
19.	Second Foreign Language II	II	2									2
20.	Metal chemistry	III	6	1	1	1	1		1	1		
21.	Organic Chemistry mix functions and heterocyclic compounds	III	6	1	1	1	1		1	1		
22.	Quantitative Analytical Chemistry	III	6	1		2		1	1	1		
23.	The structure and properties of molecules	III	5	1	1	1		1			1	
24.	English III	III	2									2
25.	Sport III	III	3							2	1	
26.	Trace analysis techniques	III	5	1	1			1	1	1		
27.	Catalysis	III	5			1		2	1	1		
28.	Second Foreign Language III	III	2									2
29.	History of sciences	III	3								2	1
30.	Instrumental analysis	IV	5	1		1		1	1	1		
31.	Chemical thermodynamics	IV	5	1		1	1	1		1		
32.	Physico-chemical bases of Chemical Technology	IV	5			1	1	1		1	1	
33.	Biochemistry I	IV	5		1	1	1	1		1		
34.	English IV	IV	2									2
35.	Traineeship II	IV	3					1	1	1		
36.	Sport IV	IV	3							2	1	
37.	Electrochemistry	IV	4			1	1	1		1		
38.	Advanced techniques in instrumental analysis	IV	4			1		1	1	1		
39.	Academic Ethics and Integrity	IV	1								1	
40.	Antreprenorship in Natural Sciences Domain	IV	1								1	
41.	Second Foreign Language IV	IV	2									2
42.	Human Anatomy and physiology	IV	4							2	2	
43.	Chemical kinetics	V	6	1		2	1	1	1			
44.	Methods of separation	V	6	1		1	1	1	1	1		
45.	Biochemistry II	V	6		1	1	1	1	1	1		
46.	Natural Compounds	V	6		1	1	1	1		1	1	
47.	Biological Active Compounds	V	6	1	1	1	1			1	1	
48.	Organometalic compounds	V	6	1	1	1	1			1	1	
49.	Compounds Coordinative Chemistry	V	6	1	1	1	1		1	1		
50.	Drug chemistry	V	5			1	1	1	1	1		
51.	Life skills	V	1									1
52.	Career Coaching	V	1									1
53.	Chemistry of materials	VI	5	1	1				1	1	1	
54.	Elaboration of degree theses	VI	4					1	1	1		1
55.	Environmental chemistry	VI	5				1	1	1	1	1	
56.	Quality assurance and standardization	VI	5			1	1	1	1	1		
57.	Chemical technology	VI	5			1	1	1		1	1	
58.	Chromatographic methods of analysis	VI	5			1	1		1	1	1	
59.	Nuclear Chemistry	VI	5	1	1	1		1			1	
60.	The structure of inorganic compounds	VI	5	1		1	1			1	1	
61.	Macromoleculare Compounds	VI	6	1	1	1	1	1		1		
62.	Colloids	VI	6	1	1	1	1	1		1		
63.	Clinical Biochemistry	VI	3			1	1			1		

Legenddž": C1 dž" C5 sau C6 - Competendž"e profesionale; CT1 dž" CT3 - Competendž"e transversale

* Se va utiliza Grila 1 (G1) care prezintdž" variantele: G1L si G1M corepunzdž"toare ciclurilor de studii de licendž"dž" dž"i masterat, dž"n conformitate cu Ordinul MECS nr. 5703 / 18.10.2011.

** Se vor trece toate disciplinele din Planul de dž"nvddž"dž" dž"mdž"nt