

Technical University "Gheorghe Asachi" of Iasi  
 Faculty of Civil Engineering and Building Services  
 Domain: Civil engineering  
 Programme of study: Civil Engineering  
 Qualification: Bachelor Engineer  
 Period of studies: Four years  
 Education form: day courses  
 Seria: 2018-2022

TUIASI SENAT Approved

## CURRICULUM

1st year 2018-2019

Tip disciplina	Nr. crt.	Subject	Codul disciplinei	Conditionari	Sem 1 - 14 sapt						Sem 2 - 14 sapt										
					No hours					Ev. finala	K	No hours					Ev. finala	K			
					C	S	L	P	SI			C	S	L	P	SI					
DI	1 DF	Mathematical Analysis 1	CE101		2	2			4	E	5										
	2 DF	Algebra and Geometry 1	CE102		2	2			4	E	4										
	3 DID	Mechanics 1	CE103		2	1			4	E	4										
	4 DID	Building Materials 1	CE104		1		1		2	E	3										
	5 DF	Engineering Graphics	CE105				2		1	Vp	2										
	6 DF	Chemistry	CE106		2		1		1	C	2										
	7 DF	Computer programming and programming	CE107		1		2		2	Vp	3										
	8 DC	Humanistic Sciences (Techniques of	CE108		2				1	C	2										
	9 DID	Construction Engineering. Ways of Thinking	CE109		2		1			E	2										
	10 DC	English Language 1	CE110			1			2	Vp	2										
	11 DC	Physical Training 1	CE111			1				Vp	1										
	12 DF	Mathematical Analysis 2	CE112	CE101								2	2			1	E				3
	13 DF	Algebra and Geometry 2	CE113	CE102								2	1			2	E				3
	14 DID	Mechanics 2	CE114	CE103								2	1			2	E				3
	15 DID	Building Materials 2	CE115	CE104								2		2		3	E				4
	16 DID	Elements of Architecture and Urban Planning	CE116									2		2		1	C				3
	17 DF	Physics 1	CE117									2		1		2	C				3
	18 DID	Strength of Materials 1	CE118									3		2		4	E				5
	19 DC	English Language 2	CE119										1			2	Vp				2
	20 DC	Physical Training 2	CE120										1				Vp				1
	21 DF	Practice	CE121										2 sx30 h/s = 60 h					C			3
DL	22 DC	Aesthetics			2					Vp	2										
	23 DID	Innovative entrepreneurship development in construction			2					Vp	2										
	24 DID	An Introduction to Technical Creativity										2					Vp				2
	25 DF	Elementary Mathematics 1			2					Vp	2										
	26 DF	Elementary Mathematics 2										2					Vp				2
	27 DC	Psychology of Education-DPPD*			2	2				E	5										
28 DC	Pedagogy I*: - Fundamentals of Pedagogy - Theory and Methodology of the Curriculum											2	2				E			5	
Total hours per week, total topics and credits per semester at DI and DO					14	7	7	0		5 E 2 C 4 Vp	30	15	6	7	0		5 E 3 C 2 Vp	17			30

\* Psychopedagogical training programme for the certification of competences for the teaching profession.

DECAN,  
Conf.dr.ing. Vasilică Ciocan

RECTOR,  
Prof.dr.ing. Dan Cașcaval

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## CURRICULUM

2nd year 2019-2020

Tip disciplina	Nr. crt.	Denumirea disciplinei	Codul disciplinei	Conditionari	Sem 3 - 14 sapt						Sem 4 - 14 sapt							
					Nr.ore / sapt / disciplina					Ev. finala	K	Nr.ore / sapt / disciplina					Ev. finala	K
					C	S	L	P	SI			C	S	L	P	SI		
DI	1 DID	Statics of Constructions 1	CE201		3		2		4	E	5							
	2 DF	Descriptive Geometry	CE202		2	1			2	E	4							
	3 DID	Engineering Geology	CE203		1		1		2	E	3							
	4 DF	Physics 2	CE204	CE117	1	1			2	C	3							
	5 DID	Strength of Materials 2	CE205	CE118	3		2		4	E	6							
	6 DID	Environmental Engineering	CE206		2		1		2	E	3							
	7 DC	Economics	CE207		2				1	C	2							
	8 DC	English Language 3	CE208			1			2	Vp	1							
	9 DC	Physical Training 3	CE209			1				Vp	1							
	10 DID	Statics of Constructions 2	CE210	CE201								3	2	5	E		6	
	11 DID	Theory of Elasticity and Plasticity	CE211									2	1	2	E		3	
	12 DID	Reinforced Concrete	CE212									2	1	2	E		3	
	13 DID	Civil construction 1	CE213									2	2	3	E		4	
	14 DF	Infographics	CE214									1	2	2	C		3	
	15 DID	Hydraulics	CE215									2	1	2	C		3	
	16 DID	Surveying	CE216									2	2	1	E		3	
	17 DC	English Language 4	CE217										1		2	Vp	1	
	18 DC	Physical Training 4	CE218										1			Vp	1	
	19 DID	Land Surveying Practical Training	CE219									2 sx30 h/s = 60 h				C	3	
DO	20 DF	Statistics	CE220		2					Vp	2							
DL	21 DID	Programming Languages (JAVA)	CE221									1	3		Vp	2		
	22 DC	Pedagogy II*: - Instruction Theory and Methodology - Evaluation Theory and Methodology	CE222		2	2				E	5							
	23 DC	Didactics of the Specialized Domain*	CE223									2	2		E	5		
	24 DC	Ethics and Integrity	CE224									2	1		C	2		
Total hours per week, total topics and credits per semester at DI and DO					16	4	6	0		5 E 2 C 3 Vp	30	14	2	11	0	5 E 3 C 2 Vp	30	
					26			19				27			20			

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## CURRICULUM

### 4th year 2021-2022

Tip disciplina	Nr. crt.	Denumirea disciplinei	Codul disciplinei	Conditionari	Sem 7 - 14 sapt					Sem 8 - 14 sapt											
					Nr.ore / sapt / disciplina					Ev. finală	K	Nr.ore / sapt / disciplina					Ev. finală	K			
					C	S	L	P	SI			C	S	L	P	SI					
DI	1 DIS	Reinforced Concrete Structures	CE401		3			2	4	E	5										
	2 DIS	Steel Structures	CE402		2			2	4	E	5										
	3 DIS	Industrial Constructions	CE403		2			2	4	E	4										
	4 DIS	Constructions in Rural Zone	CE404		2		1		3	C	4										
	5 DID	Management of Constructions Works	CE405		3		2		3	E	4										
	6 DID	Building Services in Constructions	CE406										2		1		2	E	3		
	7 DIS	General concepts of sustainability	CE407		2					Vp	2										
	8 DIS	Elements of Composite Structures	CE408										2		1		2	E	3		
DO	9 DIS	Optional 2	CE409		2		1		2	Vp	3										
	10 DIS	Optional 3	CE410		2		0		2	Vp	3										
	11 DIS	Optional 4	CE411									2		1		2	E	3			
	12 DIS	Optional 5	CE412									2		1		2	Vp	2			
	13 DIS	Optional 6	CE413									2		1		2	E	3			
	14 DIS	Optional 7	CE414									2		1		2	Vp	3			
	15 DID	Optional 8	CE415									2		1		2	Vp	3			
DI	16 DIS	Diploma project research	CE416												4	6	C	5			
	17 DIS	Diploma project completion	CE417											3	6	C	5				
	18 DIS	Diploma exam	CE418													(E)	(10)				
DL	19 DC	Entrepreneurial education	CE419		1		2			C	5										
	20 DC	Applied entrepreneurship education	CE420									2			1		C	3			
	21 DF	Programming Languages (FORTRAN)	CE421		1		2			Vp	2										
Total hours per week, total topics and credits per semester at DI and DO					18	0	4	6		4	E	30	14	0	7	7		4	E	30	
					28						1	C		28					26	2	C
											3	Vp							3	Vp	

Opt 2 Building Rehabilitation  
 Elements of Non-linear Computation in Civil

Opt.6 Special Steel Structures  
 Light Metallic Structures

Opt 3 Advanced Building Materials  
 Advanced Building Technologies

Opt.7 Masonry Constructions  
 Thermo-physical Rehabilitation of Constructions

Opt.4 Durability of Reinforced Concrete Structures  
 Advanced Solutions in Reinforced Concrete

Opt.8 Transportation Infrastructure  
 Special Foundations

Opt.5 Quality Management  
 Project Management

\* To support and promote diploma exam are awarded with additional 10 credits .

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