

CURRICULUM

1st year (2020-2021)

Discipline type	Nr. crt.	Subject	Discipline code	Prerequisites	Sem 1 - 14 weeks					Sem 2 - 14 weeks												
					No hours					Final eva	K	No hours					Final eva	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	30	15	6	7	0		5	E	30		
					28					22	2	C		28					17	3	C	
										4	Vp							2	Vp			

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

DEAN,
 Professor Dorina-Nicolina Isopescu, PhD.

RECTOR,
 Professor Dan CAȘCAVAL, PhD.

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

TUIASI SENAT Approved
 29.09.2020
 President of the Senate
 Professor Iulian-Aurelian Ciocoiu, PhD.

CURRICULUM

2nd year (2021-2022)

Discipline type	Nr. crt.	Subject	Discipline code	Prerequisites	Sem 3 - 14 weeks					Sem 4 - 14 weeks								
					No hours					Final eval	K	No hours					Final eval	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 Methodolgy	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

3rd year (2022-2023)

Discipline type	Nr. crt.	Subject	Discipline code	Prerequisites	Sem 5 - 14 weeks					Sem 6 - 14 weeks								
					No hours					Final eval.	K	No hours					Final eval.	K
					C	S	L	P	SI			C	S	L	P	SI		
DI	1 DID	Elements of Steel Structures 1	CE301		2		1		2	E	3							
	2 DIS	Technology of Constructions 1	CE302		2		1		2	C	3							
	3 DID	Structural Dynamics	CE303		2		2		4	E	4							
	4 DF	Numerical Methods in Engineering	CE304		2		1		3	C	3							
	5 DID	Reinforced and Prestressed Concrete	CE305		2			2	4	E	5							
	6 DID	Geotechnics	CE306		3		2		4	E	5							
	7 DID	Civil Constructions 2	CE307		2			2	4	E	5							
	8 DIS	Fundamentals of Fire Safety in Civil Engineering	CE308		2				3	C	2							
	9 DIS	Earthquake Engineering	CE309									2		2		2	E	3
	10 DID	Computer Assisted Design	CE310									2		1		2	C	2
	11 DID	Elements of Steel Structures 2	CE311	CE301								2			2	3	E	4
	12 DIS	Technology of Constructions 2	CE312	CE302								2		1		2	E	3
	13 DIS	Foundations	CE313									3			2	3	E	5
	14 DIS	Timber Structures	CE314									2			1	3	C	4
	15 DID	Economy and Legislation	CE315									2		1		2	C	3
	16 DID	Technology and Management Practical Training	CE316									4sx30h/s = 120 h					C	3
DO	17 DIS	Optional 1	CE317								2		1			Vp	3	
DL	18 DF	Programming Languages (MATLAB)	CE318		1		3			Vp	2							
	19 DF	Databases	CE319								1		2			Vp	2	
	20 DC	Advanced English Language	CE320			2				Vp	2		2			Vp	2	
	21 DC	Computer Assisted Training*	CE321		1	1				C	2							
	22 DC	Management of the Pupils' Classroom*	CE322								1	1				C	3	
	23 DC	Practicum in Educational Institutions (2)*	CE323		14sx3 h/s = 42 h					C	3	12sx3 h/s = 36 h					C	2
	24 DC	Graduation Exam, Level I*	CE324													E	5	
	25 DC	Entrepreneurial education	CE325									2		1			C	5
Total hours per week, total topics and credits per semester at DI and DO					17	0	7	4		5 E 3 C 0 Vp	30	17	0	6	5		4 E 4 C 1 Vp	30

Opt.1 [Hygrothermics and Acoustics of Buildings](#)
[Structural Shapes for Building](#)

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CURRICULUM

4th year (2023-2024)

Discipline type	Nr. crt.	Subject	Discipline code	Prerequisites	Sem 7 - 14 weeks						Sem 8 - 14 weeks								
					No hours					Final eval.	K	No hours					Final eval.	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			22	1	C		28			26	2	C		
								3	Vp						3	Vp			

Opt 2 [Building Rehabilitation](#)
[Elements of Non-linear Computation in Civil Engineering](#)

Opt 3 [Advanced Building Materials](#)
[Advanced Building Technologies](#)

Opt 4 [Durability of Reinforced Concrete Structures](#)
[Advanced Solutions in Reinforced Concrete Structures](#)

Opt 5 [Quality Management](#)
[Project Management](#)

Opt.6 [Special Steel Structures](#)
[Light Metallic Structures](#)

Opt.7 [Masonry Constructions](#)
[Thermo-physical Rehabilitation of Constructions](#)

Opt.8 [Transportation Infrastructure](#)
[Special Foundations](#)

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

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