LISTE DES COURS

UNIVERSITÉ D'ACCUEIL	**Universitatea Tehnică din Cluj-Napoca**
SEMESTRE DANS LE CURSUS	**Tous**
PROGRAMME DU CLUSTER	**Tous**
SAISON	**Tous**
LANGUE D'ENSEIGNEMENT	**Tous**
DOCUMENT CRÉÉ LE	**21/11/2026**

486 cours · 1 922.0 ECTS au total

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
TC-E09.00	3G/4G/5G Mobile Communications	English	Spring	4.0
IS 12.00	Academic ethics and integrity	English, Română	Spring	2.0
9.20	Academic Ethics and Integrity.	English	Fall	2.0
IS 17.20	Advance design of steel and composite steel-concrete buildings	English, Română	Fall	5.0
ICS_1.00	Advanced Analog Blocks	English, Română	Fall	5.0
IS 18.20	Advanced Design of Structures	English, Română	Fall	5.0
DS_16.20	Advanced in Computer Vision	English	Fall	4.0
IS 7.00	Advanced Mechanics of Materials	English, Română	Spring	4.0
ICS_2.00	Advanced Signal Processing	English, Română	Fall	5.0
IS 4.10	Advanced structural analysis	English, Română	Fall	4.0
DS_7.30	Advanced Topics of Functional Programming	English	Spring	4.0
74.10	Aesthetics in Architecture	—	Spring	2.0
CE51.10	Aesthetics of Buildings	English	Spring	2.0
CE65.20	Agro-zootechnical structures	English	Spring	4.0
CS53.00	AI-Driven Systems Design - UTCN	English	Spring	5.0
DS_2.00	Algorithms	English	Fall	4.0
30	Ambient	—	Spring	2.0
CS17.00	Analog and Digital Circuits - UTCN	English	Fall	4.0
TST-E26.00	Analog Integrated Circuits	English	Spring	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
TST-E25.00	Analysis and Synthesis of Circuits	English	Spring	5.0
IPMI_19	Analysis and synthesis of industrial processes 1	English, Română	Fall	4.0
IPMI_40	Analysis and synthesis of industrial processes 2	English, Română	Fall	4.0
TC-E04.00	Antennas and RFID sensors	English, Română	Fall	4.0
66.30	Anthropology. Cultural Psychology	—	Fall	2.0
4.00	Applied Chemistry	English	Fall	3.0
TST-E53.20	Applied Electronics	Română	Spring	5.0
CE4.00	Applied Informatics	English	Fall	3.0
TST-E06.00	Applied Informatics (ETTI)	—	Fall	5.0
5.00	Applied Informatics I	English	Fall	4.0
3.00	Applied Physics.	English	Fall	4.0
68	Architectural Composition	—	Fall	2.0
55.30	Architectural Design	—	Fall	2.0
25	Architectural Design Studio 3	—	Fall	13.0
32	Architectural Design Studio 4	—	Spring	13.0
42	Architectural Design Studio 5	—	Fall	13.0
49	Architectural Design Studio 6	—	Spring	13.0
48.30	Architectural Lighting	—	Spring	2.0
DS_7.20	Architectures of Information Systems	English	Spring	4.0
31	Art History	—	Spring	2.0
CS34.00	Artificial Intelligence - UTCN	English	Fall	5.0
66.10	Arts and Architecture	—	Fall	2.0
CS9.00	Assembly Language Programming - UTCN	English	Spring	4.0
CE39.00	Basics of Buildings Design	English	Fall	5.0
TST-E13.00	Basics of Electrotechnics 1	—	Spring	4.0
—	Basics of electrotechnics 2	English	Fall	4.0
TST-E16.00	Basics of Electrotechnics 2 (ETTI)	—	Fall	4.0
TC-E08.00	Basis of High Throughput Data Transmissions	English	Spring	4.0
DS_1.00	Big Data	English	Fall	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
DS_13.00	Blockchain	English	Fall	4.0
IS 17.30	Building energy management	English, Română	Fall	5.0
21	Building Materials	—	Fall	2.0
CE13.00	Building Materials.	English	Spring	5.0
46	Building services	—	Spring	2.0
CE42.00	Building Services in Construction	English	Fall	2.0
CE58.00	Building Technology II	English	Fall	5.0
44	Building Types	—	Spring	2.0
CE43.00	Buildings I	English	Spring	4.0
CE53.00	Buildings II	English	Fall	4.0
CE54.00	Buildings II - project	English	Fall	3.0
CE1.00	Calculus	English	Fall	5.0
TST-E49.20	Cellular Radio Communications	English	Fall	4.0
CE5.00	Chemistry	English	Fall	5.0
CE40.00	Civil Engineering Management (I)	English	Fall	3.0
CE61.00	Civil Engineering Management II	English	Spring	4.0
DS_17.10	Cloud computing	English	Fall	4.0
60.00	CNC Machining Technology	English	Fall	4.0
70.20	CNC Programming	English	Spring	3.0
CS56.00	Communication protocols and networks project - UTCN	English	Fall	2.0
TC-E14.00	Communication Technologies for Intelligent Transportation Systems	English	Fall	4.0
IS 14.20	Company evaluation techniques	English, Română	Fall	4.0
74.30	Comparative Architecture	—	Spring	2.0
DS_15.20	Complex Networks	English	Fall	4.0
ICS_15.10	Complex Systems for Power Supply and Energy Coversion	—	Fall	5.0
CE60.00	Computer Aided Design	English	Spring	3.0
TST-E28.00	Computer Aided Design Techniques	—	Spring	4.0
CS23.00	Computer Architecture - UTCN	English	Fall	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
CS27.00	Computer Assisted Graphics - UTCN	English	Fall	4.0
CS46.20	Computer Network Design - UTCN	English	Fall	5.0
TST-E41.00	Computer Networks	—	Spring	4.0
CS39.00	Computer networks - UTCN	English	Spring	3.0
CS5.00	Computer Programming - UTCN	English	Fall	6.0
14.00	Computer Programming and Languages II	Română	Spring	3.0
CE15.00	Computer Programming and Programming Languages	English	Spring	3.0
ARMM12.00	Computer programming and programming languages 2	Română	—	3.0
TST-E04.00	Computer Programming and Programming Languages 1	—	Fall	5.0
TST-E11.00	Computer Programming and Programming Languages 2	—	Spring	5.0
ARMM27.00	Dessin assisté par ordinateur	Română	Spring	3.0
TCMe-62.10	Computer-Aided Manufacturing – CAM Systems	English	Fall	3.0
61	Construction and Urban Environment Physics	—	Spring	2.0
22	Construction elements	—	Fall	3.0
CFDP44.00	Construction Technology I - for roads and bridges	Română	Fall	3.0
65.10	Contemporary Cities	—	Fall	2.0
IPMI_28	Corrosion and Corrosion Protection	English, Română	Spring	3.0
28. 00	Creativity and Innovation in design	English	Fall	2.0
IS 5.20	Damages and defects to construction work	English, Română	Fall	4.0
DS_8.10	Data Analytics Pipeline	English	Spring	4.0
TC-E10.00	Data Mining and Analytics using Python	English	Spring	4.0
CS12.00	Data Structures and Algorithms - UTCN	English	Spring	6.0
TST-E49.10	Data Transmissions	English, Română	Fall	4.0
DS_10.00	Data Warehouse and Business Intelligence	English	Spring	4.0
DS_14.10	Data-Driven Business and Behaviour Analytics	English	Fall	4.0
CS46.10	Database Design - UTCN	English	Fall	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
DS_3.00	Database Systems	English	Fall	4.0
CS19.00	Databases - UTCN	English	Fall	4.0
TST-E38.00	Decision and Estimation in Information Processing	English	Spring	3.0
TC-E15.00	Deep Learning in Telecommunications	English	Fall	4.0
CE3.00	Descriptive Geometry	English	Fall	5.0
ICS_15.20	Design for Thermal Compatibility	—	Fall	5.0
59. 00	Design of Devices	English	Fall	6.0
59.00	Design of Devices 1	English	Fall	6.0
58	Design Synthesis Studio 1	—	Fall	13.0
65	Design Synthesis Studio 2	—	Spring	13.0
72	Design Synthesis Studio 3	—	Fall	14.0
79	Design Synthesis Studio 4	—	Spring	14.0
CS30.00	Design with Microprocessors - UTCN	English	Fall	5.0
ICS_13.00	Designing and testing digital circuits	English, Română	Fall	5.0
28	Details in Architecture 1	—	Spring	4.0
38	Details in Architecture 2	—	Fall	4.0
TST-E50.10	Development of 2D/3D Interactive Environments	English, Română	Fall	4.0
TST-E09.00	Differential Equations	—	Fall	5.0
ICS_14.10	Digital Economy and Electronic Services	English, Română	Fall	5.0
63.30	Digital Fabrication	—	Spring	2.0
TST-E50.20	Digital Image Processing	English	Fall	4.0
TST-E19.00	Digital Integrated Circuits	—	Fall	4.0
TST-E45.00	Digital Signal Processing	English	Fall	4.0
CS11.00	Digital System Design - UTCN	English	Spring	5.0
TST-E55.10	Digital Techniques for Video Analysis	English, Română	Spring	5.0
ICS_19.00	Dissertation Project Work	—	Spring	10.0
CS45.00	Distributed Systems - UTCN	English	Fall	6.0
CE37.00	Dynamics of Constructions	English	Fall	5.0
CE45.00	Earthquake Engineering	English	Spring	3.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
IS 18.10	Earthquake-engineering	English, Română	Fall	5.0
DDPM_1	Eco-responsible Entrepreneurship	English, Română	Fall	4.0
MIRND_9	Eco-Technological Analysis of Production Processes	English, Română	Fall	4.0
63.20	Ecological Architecture	—	Spring	2.0
IDEDD_14	Ecological Materials and Technologies	English, Română	Spring	5.0
MIRND_10	Ecological Rehabilitation of Polluted Sites	English, Română	Spring	5.0
DDPM_2	Ecological security	English, Română	Fall	5.0
CS35.00	Economic Law - UTCN	English	Fall	2.0
TC-E21.00	Elaboration of Dissertation	English	Spring	10.0
TST-E58.00	Elaboration of Graduation Project	—	Spring	4.0
IS 22.000	Elaboration of master thesis	—	Spring	10.0
TST-E12.00	Electronic Devices	—	Spring	5.0
CS15.00	Electronic Measurements and Sensors - UTCN	English	Fall	4.0
ARMM25.00	Electronics	—	Fall	3.0
25.00	Electronics and Automation	English	Fall	3.0
TST-E23.00	Electronics and Telecommunications Measurements	—	Spring	4.0
CS10.00	Electrotechnics - UTCN	English	Spring	5.0
ARMM24.00	Electrotechnics and Electrical Machines	—	Fall	4.0
CE16.00	Elements of Architecture and Urban Planning	English	Spring	2.0
ICS_4.00	Elements of Artificial Intelligence	English, Română	Fall	4.0
CE47.10	Elements of Numerical Modelling in Structural Design	English	Spring	2.0
TCMe-36.00	Engineering and quality management	English	Spring	3.0
CE6.00	Engineering Geology	English	Fall	2.0
CE52.00	Engineering practice	English	Spring	4.0
CE32.20	Engineering Structures Bridges	English	Spring	3.0
CS7.10	English I - UTCN	English	Fall	2.0
CE8.10	English I.	English	Fall	1.0
CE19.10	English II	English	Spring	1.0

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CS13.10	English II - UTCN	English	Spring	2.0
CE27.10	English III	English	Fall	1.0
CE34.10	English IV	English	Spring	1.0
CS21.10	English Language I (Technical Documents Elaboration) - UTCN	English	Fall	2.0
TST-E57.10	Entrepreneurial Education	English, Română	Spring	2.0
IPMI_62.10	Environmental economics and accounting	English, Română	Fall	3.0
ICS_5.00	Ethics and Academic Integrity	—	Fall	2.0
DS_18.00	Ethics and Academic Integrity (DS)	English	Fall	4.0
TST-E57.20	Ethics and Academic Integrity (ETTI-TEB)	English, Română	Spring	2.0
TC-E05.00	Ethics and Academic Integrity (ETTI-TEM)	English, Română	Fall	2.0
ICS_18.00	Field Specific Research for the Master Thesis - Microelectronics	—	Spring	10.0
TST-E56.10	Financial Management	English	Spring	3.0
IS 2.00	Finite element method	English, Română	Fall	5.0
CE26.00	Fire Safety of Constructions	English	Fall	2.0
67. 00	Flexible Technologies and Manufacturing systems	English	Spring	4.0
34.00	Fluid Mechanics	English	Spring	3.0
ARMM31.00	Fluid Mechanics 1	Română	Spring	3.0
CS38.00	Formal Languages and Translators - UTCN	English	Spring	3.0
CE59.00	Foundations	English	Fall	6.0
CFDP41.00	Foundations - for roads and bridges	Română	Fall	4.0
ACH50.00	Foundations - lecture	Română	Spring	2.0
ACH51.00	Foundations-project	Română	Spring	2.0
CE8.20	French I	English, Français	Fall	1.0
CE19.20	French II	English, Français	Spring	1.0
CE27.20	French III	English, Français	Fall	1.0
CE34.20	French IV	English, Français	Spring	1.0
TST-E51.20	French Language	Français	Fall	1.0
TST-E14.20	French Language 1	—	Spring	2.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
TST-E21.20	French Language 2	—	Fall	2.0
CS32.00	Functional Programming - UTCN	English	Fall	4.0
CS16.00	Fundamental Algorithms - UTCN	English	Fall	6.0
TST-E20.00	Fundamental Electronic Circuits	—	Fall	5.0
CS25.00	Fundamental Programming Techniques - UTCN	English	Fall	4.0
24	Fundamentals of Architectural Design	—	Fall	2.0
CFDP42.00	Fundamentals of bridge design	Română	Fall	3.0
48.00	Fundamentals of Product Design	English	Fall	4.0
47	Furniture Design Techniques	—	Spring	3.0
ICS_14.20	Games Theory	English, Română	Fall	5.0
CE17.00	General Economics	English	Spring	2.0
ACH53.10	Geographic Information Systems	Română	Spring	3.0
CE30.00	Geotechnics	English	Spring	4.0
IS 8.00	Geotechnics and foundations	English, Română	Spring	4.0
CS7.30	German I - UTCN	Deutsch	Fall	2.0
CE8.30	German I.	English, Deutsch	Fall	1.0
CE19.30	German II	English, Deutsch	Spring	1.0
CS13.30	German II - UTCN	Deutsch	Spring	2.0
CE27.30	German III	English	Fall	1.0
CE34.30	German IV	English, Deutsch	Spring	1.0
21.30	German Language I (Technical documents elaboration) - UTCN	Deutsch	Fall	2.0
CS21.30	German Language I - UTCN	Deutsch	Fall	2.0
40.10	Global and Local in Architecture	—	Fall	2.0
CE66.00	Graduation project	English	Spring	4.0
CS36.00	Graphic Processing - UTCN	English	Fall	4.0
TST-E15.00	Graphics on Computer Aided Design	—	Fall	4.0
27.00	Heat Treatment	English	Fall	3.0
CE63.10	High Performance Energy-Efficient Building	English	Spring	4.0
CE62.20	High Performance Technologies for Constructions Works	English	Spring	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
74.20	Historical Building Types	—	Spring	2.0
43	History o Architecture - Modern and Contemporary Periods	—	Spring	2.0
26	History of Architecture - Baroque	—	Spring	2.0
18	History of Architecture - The Renaissance	—	Fall	2.0
35	History of Architecture - The XIXth Century	—	Fall	2.0
39	History of Furniture - Styles	—	Fall	2.0
48.20	History of Furniture in the 20th Century	—	Spring	2.0
51	History of Romanian Architecture	—	Fall	4.0
CE9.10	History of Technics in Constructions	English	Fall	2.0
IS 17.40	Home automation - intelligent house	English, Română	Fall	5.0
65.20	Human Settlement Strategies	—	Fall	2.0
CE25.00	Hydraulics	English	Fall	4.0
CS40.00	Image Processing - UTCN	English	Spring	4.0
DS_11.00	Image Processing and Computer Vision	English	Spring	4.0
CE65.10	Industrial Constructions	English	Spring	4.0
TCMe-47.00	Industrial Management	English	Fall	3.0
IPMI_55	Industrial Risk and Safety	English, Română	Fall	3.0
DS_17.20	Information Security	English	Fall	4.0
IPMI_53	Information Technology	English, Română	Spring	3.0
DS_9.00	Information Theory and Statistics	English	Spring	4.0
MIRND_8	Innovation Management	English, Română	Spring	4.0
CS55.10	Input/Output Systems and Peripheral Devices - UTCN	English	Fall	5.0
ICS_12.00	Integrated Circuits in Automotive Industry	—	Fall	5.0
MIRND_3	Integrated Management of Water Resources	English, Română	Fall	5.0
IPMI_47.1	Integrated waste management	English, Română	Spring	3.0
CS42.00	Intelligent Systems - UTCN	English	Spring	4.0
53	Interior Architecture	—	Fall	2.0
DS_15.10	Internet of Things and Industry 4.0	English	Fall	4.0
TST-E46.00	Internet Protocols	English	Fall	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
CE8.40	Italian I	English, italiano	Fall	1.0
CE19.40	Italian II	English, italiano	Spring	1.0
CE27.40	Italian III	English, italiano	Fall	1.0
CE34.40	Italian IV	English, italiano	Spring	1.0
CS54.10	Knowledge-based Systems - UTCN	English	Fall	6.0
69	Landscape Architecture	—	Fall	2.0
TST-E02.00	Linear Algebra and Analytical and Differential Geometry	—	Fall	5.0
CS2.00	Linear Algebra and Analytical Geometry - UTCN	English	Fall	4.0
CE2.00	Linear Algebra, Analytical and Differential Geometry	English	Fall	5.0
IDEDD_9	Local and Regional Development	English, Română	Spring	4.0
73.20	Local Ordinance	—	Spring	2.0
CS4.00	Logic Design - UTCN	English	Fall	5.0
CS37.00	Logic Programming - UTCN	English	Spring	4.0
TCMe-70.10	Logistics	English	Spring	3.0
IPMI_50	Low Impact Environmental Technologies I	English, Română	Spring	3.0
IPMI_58	Low Impact Environmental Technologies II	English, Română	Fall	4.0
ARMM33.00	Machine Elements 1	Română	Spring	4.0
DS_4.00	Machine Learning 1	English	Fall	4.0
DS_7.10	Machine Learning 2	English	Spring	4.0
ARMM23.00	Machine Tools and Dimensional Control	Română	Fall	5.0
CE62.10	Maintenance, Repair and Strengthening Works Technology	English	Spring	4.0
CS51.00	Management and Communication - UTCN	English	Fall	2.0
64.00	Manufacturing Engineering	English	Spring	4.0
TST-E56.20	Marketing	English, Română	Spring	3.0
CS49.10	Marketing - UTCN	English	Fall	2.0
76	Marketing and Communication in Architecture	—	Spring	3.0
IS 23.000	Master thesis defense	—	Spring	10.0

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IPMI_38	Materials Biodegradation and Biodeterioration	English, Română	Fall	3.0
13.00	Materials Engineering II	English	Spring	3.0
TST-E18.00	Materials for Electronics	English	Fall	4.0
21.00	Materials Strength I	English	Fall	5.0
ARMM14.00	Materials technology	Română	Spring	3.0
30.00	Mathematic Statistics and Probabilities	Română	Spring	2.0
TST-E01.00	Mathematical Analysis	—	Fall	4.0
CS1.00	Mathematical Analysis I (Differential Calculus) - UTCN	English	Fall	4.0
CS8.00	Mathematical Analysis II (Integral and Differential Calculus) - UTCN	English	Spring	5.0
DS_5.00	Mathematical Models for ML	English	Fall	4.0
ARMM30.00	Mechanical Vibrations	Română	Spring	2.0
ARMM15.00	Mechanics 1 - Statics and Kinematics	Română	Spring	4.0
ARMM21.00	Mechanics 2 (Dynamics)	—	Fall	5.0
CE11.00	Mechanics I	English	Spring	5.0
CE20.00	Mechanics II	English	Fall	5.0
ARMM29.00	Mechanisms 1	Română	Spring	4.0
32.00	Mechanisms II	English	Spring	3.0
MIRND_4	Methodology of Research, Ethics and Academic Integrity	English, Română	Fall	4.0
TST-E37.00	Microprocessor-Based Systems	English	Spring	4.0
TST-E31.00	Microprocessors Architecture	English	Fall	5.0
TST-E24.00	Microwaves	English	Spring	4.0
TST-E47.00	Mobile Communications	English	Fall	4.0
ARMM26.00	Modern Languages 3 (EN/FR/GER)	—	Fall	3.0
ARMM34.00	Modern Languages 4 (EN/FR/GER)	—	Spring	2.0
CE63.20	Modern Methods in Structural Analysis and Design	English	Spring	4.0
TST-E34.00	Modulation Techniques	English	Fall	5.0
TST-E54.10	Multimedia Technologies	English, Română	Spring	5.0

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DS_16.10	Natural Language Processing	English	Fall	4.0
DS_14.20	NeuroScience	English	Fall	4.0
70	New Technologies in Architecture	—	Fall	2.0
IPMI_52	Noise and Vibration Control	English, Română	Spring	3.0
IS 1.00	Nonlinear static and dynamic analysis of structures	English, Română	Fall	5.0
CE22.00	Numerical Methods	English	Fall	4.0
CS24.00	Numerical Methods - UTCN	English	Spring	4.0
IS 11.00	Numerical methods in civil engineering	English, Română	Spring	4.0
CE47.20	Numerical Methods in Constructions	English	Spring	2.0
CS18.00	Object-Oriented Programming - UTCN	English	Fall	5.0
CS26.00	Operating Systems - UTCN	English	Fall	5.0
CS47.10	Operating Systems Design - UTCN	English	Fall	6.0
TST-E53.10	Optoelectronic Systems in Telecommunications	English, Română	Spring	5.0
TST-E32.00	Optoelectronics	—	Fall	5.0
CS55.20	Parallel and Distributed Computing - UTCN	English	Fall	5.0
63.10	Parametric Design	—	Spring	2.0
TST-E05.00	Passive Electronic Components and Circuits	—	Fall	5.0
CS48.10	Pattern Recognition Systems - UTCN	English	Fall	6.0
CS49.20	Personal and Professional Development, Ethics and Academic Integrity - UTCN	English	Fall	2.0
CE7.00	Physical Education	English	Fall	2.0
CS29	Physical education and sport I / II - UTCN	English	Fall	?
TST-E07.00	Physical Education and Sports 1	—	Fall	2.0
TST-E22.00	Physical Education and Sports 2	—	Fall	2.0
CE18.00	Physical Education II	English	Spring	1.0
CS6.00	Physics - UTCN	English	Fall	4.0
TST-E03.00	Physics 1	—	Fall	4.0
TST-E10.00	Physics 2	—	Spring	4.0
CE12.00	Physics.	English	Spring	3.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
TC-E16.10	Planning of Radio Networks	English	Fall	4.0
CE67.00	Practical Stage for the Graduation Project	English	Spring	3.0
TST-E42.00	Practical Work in the Domain of Study	English	Spring	4.0
SET52.00	Practical Work in the specialisation (3 weeks)	English	Spring	4.0
TST-E43.00	Practical Work in the Specialization	English	Spring	4.0
TST-E59.00	Practice for Development of Graduation Project (2 weeks)	English, Română	Spring	4.0
TC-E22.00	Practice for Elaboration of Dissertation	English	Spring	10.0
IS 21.000	Practice for preparing the master thesis	—	Spring	10.0
IPMI_62	Product Eco-design	English, Română	Fall	4.0
46.00	Production and Operations Management	English	Fall	4.0
TCMe-68.00	Production Systems Engineering	English	Spring	3.0
33	Professional Practice 2nd Year	—	Spring	2.0
50	Professional Practice 3rd Year	—	Spring	2.0
66	Professional Practice 4th Year	—	Spring	2.0
80	Professional Practice 5th Year	—	Spring	3.0
TST-E48.00	Project : IoT Systems	English	Fall	2.0
IS 14.10	Project and human resources management	English, Română	Fall	4.0
TST-E52.00	Project Management	English	Spring	2.0
CS50.00	Project Management - UTCN	English	Fall	3.0
CS52.00	Project Preparing Methodology - UTCN	English	Fall	4.0
DDPM_7	Protection and ecological use of water resources	English, Română	Spring	5.0
66.20	Psychology of Form and Shape	—	Fall	2.0
TC-E11.10	Quality of Service in Next Generation Networks	English	Spring	4.0
TST-E40.00	Radio Communications	English	Spring	4.0
CFDP47.00	Railways I	Română	Spring	4.0
ICS_9.00	Reconfigurable Digital Systems	—	Spring	5.0
MIRND_14	Recovery and Valuating of Industrial Waste	English, Română	Fall	5.0
DDPM_8	Regional development and spatial planning	English, Română	Spring	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
62.20	Rehabilitation and Restoration of Historical Structures	—	Spring	2.0
62.10	Rehabilitation of existing structures	—	Spring	2.0
IS 3.00	Reinforced and precast concrete structures	English, Română	Fall	4.0
CFDP39.00	Reinforced and Prestressed Concrete 2	Română	Fall	5.0
CE31.00	Reinforced and Prestressed Concrete I	English	Spring	5.0
CE38.00	Reinforced and Prestressed Concrete II	English	Fall	6.0
CFDP48.00	Reinforced Concrete Bridges I	Română	Spring	3.0
CE44.00	Reinforced Concrete Structures I	English	Spring	4.0
CE56.00	Reinforced Concrete Structures II	English	Fall	3.0
CE57.00	Reinforced Concrete Structures II - Project	English	Fall	3.0
ICS_6.00	Research / Practical Activity 1 - Microelectronics	—	Fall	9.0
ICS_11.00	Research / Practical Activity 2 - Microelectronics	—	Spring	10.0
ICS_16.00	Research / Practical Activity 3 - Microelectronics	—	Fall	10.0
ICS_17.00	Research / Practical Activity 4 - Microelectronics	—	Spring	10.0
IS 6.00	Research activity I	—	Fall	8.0
IS 13.00	Research activity II	—	Spring	8.0
IS 19.00	Research activity III	—	Fall	8.0
TC-E07.00	Research Activity/ Practice 1	English	Fall	8.0
TC-E13.00	Research Activity/ Practice 2	English	Spring	10.0
TC-E19.00	Research Activity/ Practice 3	English	Fall	10.0
TC-E20.00	Research Activity/ Practice 4	English	Spring	10.0
75	Research in Architecture	—	Spring	2.0
IS 20.000	Research practice	—	Spring	10.0
TC-E06.00	Research Project 1	English	Fall	4.0
TC-E12.00	Research Project 2	English	Spring	4.0
TC-E18.00	Research Project 3	English	Fall	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
IDEDD_3	Research-Development and Innovation Managemen	English, Română	Fall	4.0
27	Residential planning	—	Spring	3.0
59	Restoration of Historic Buildings	—	Spring	3.0
CFDP36.00	Roads I	Română	Fall	3.0
CFDP37.00	Roads I - Project	Română	Fall	3.0
CFDP45.00	Roads II	Română	Spring	3.0
CFDP46.00	Roads II - Project	Română	Spring	2.0
ACH61.00	Rock Mechanics and Hydraulic Tunnels	Română	Fall	4.0
RO_A1	Romanian as a foreign language A1	English, Română	Fall, Spring	2.0
RO_A2	Romanian as a foreign language A2	English, Română	Fall, Spring	2.0
55.20	Scenography	—	Fall	2.0
TC-E17.30	Security in IT Systems	English	Fall	4.0
TC-E01.00	Security in Telecommunications Networks	English	Fall	4.0
IS 17.10	Seismic protection of constructions	English, Română	Fall	5.0
TST-E55.20	Signal Processors	English	Spring	5.0
TST-E17.00	Signals and Systems	English	Fall	5.0
ICS_8.00	Smart Sensor Networks and IOT Technologies	English, Română	Spring	5.0
54	Sociology	—	Fall	2.0
CS41.00	Software design - UTCN	English	Spring	4.0
TST-E29.00	Software Engineering	—	Spring	4.0
CS33.00	Software engineering - UTCN	English	Fall	5.0
IPMI_49	Soil Remediation Technologies and Equipment	English, Română	Spring	4.0
40.20	Space Perception and Configuration	—	Fall	2.0
IS 16.00	Special materials for construction and rehabilitation of buildings	English, Română	Fall	4.0
CE10.00	Special Mathematics	English	Spring	4.0
TST-E08.00	Special Mathematics (ETTI)	—	Spring	5.0
CS3.00	Special Mathematics I - UTCN	English	Fall	5.0
CS20.00	Special Mathematics in Engineering - UTCN	English	Fall	5.0
CE64.20	Special Steel Structures	English	Spring	5.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
IS 5.10	Special technologies for constructions	English, Română	Fall	4.0
56	Specialised Design - Urban Restoration	—	Fall	3.0
41	Specialised Design - Urbanisation	—	Fall	3.0
64	Specialized Design - Interior and Furniture	—	Spring	4.0
78	Specialized Design - Landscape Design	—	Spring	2.0
57	Specialized Design - Structure and Facilities	—	Fall	2.0
71	Specialized Design Studio - Urban Design 3	—	Fall	4.0
TST-E54.20	Speech Processing	English	Spring	5.0
CS14.00	Sports I - UTCN	English	Spring	2.0
CE28.00	Statics and stability of constructions I	English	Spring	4.0
CE36.00	Statics and stability of constructions II	English	Fall	6.0
CE48.00	Statics and Stability of Constructions III	English	Spring	2.0
CFDP38.00	Statics and Stability of Structures 2	Română	Fall	4.0
ICS_7.00	Statistical Modeling of Signals	English, Română	Spring	5.0
CFDP43.00	Steel bridges I	Română	Fall	3.0
CFDP49.00	Steel Bridges II	Română	Spring	4.0
CE46.00	Steel Structures I	English	Spring	4.0
CE55.00	Steel Structures II	English	Fall	6.0
CE64.10	Steel – Concrete Composite Structures	English	Spring	5.0
ARMM22.00	Strength of Materials 1	Română	Fall	6.0
ARMM28.00	Strength of Materials 2	Română	Spring	5.0
CE21.00	STRENGTH OF MATERIALS I	English	Fall	6.0
CE29.00	Strength of Materials II	English	Spring	6.0
IS 15.00	Strengthening of masonry buildings	English, Română	Fall	4.0
37	Structural Engineering Theory 1	—	Fall	2.0
45	Structural Engineering Theory 2	—	Spring	4.0
23	Structural Mechanics	—	Fall	4.0
IS 4.20	Structural safety assessment	English, Română	Fall	4.0
CS31.00	Structure of Computer Systems - UTCN	English	Fall	5.0
IS 10.00	Sustainable design of constructions	English, Română	Spring	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
TST-E39.00	Switching and Routing Systems	English	Spring	4.0
CS22.00	Systems Theory - UTCN	English	Fall	4.0
TST-E30.00	Systems with Analog Integrated Circuits	English	Fall	5.0
TST-E27.00	Systems with Digital Integrated Circuits	English	Spring	5.0
ARMM20.00	Technical Drawing and Infographics 2	Română	Fall	4.0
CE14.00	Technical drawing and Infographics I	English	Spring	4.0
CE24.00	Technical drawing and Infographics II	English	Fall	3.0
TCMe-67.00	Technologies and Flexible Manufacturing Systems	English	Spring	4.0
ICS_10.00	Technologies and Test Environments	English, Română	Spring	5.0
CE49.00	Technology of Construction I	English	Spring	2.0
TST-E36.00	Telephony	English	Spring	3.0
TST-E44.00	Television Engineering	—	Fall	5.0
19	The Evolution of the City	—	Fall	2.0
52	Theories and Doctrines in Contemporary Architecture	—	Fall	2.0
20	Theory of Architecture - Dwelling	—	Fall	2.0
CE50.00	Theory of Elasticity and Plasticity	English	Spring	3.0
TST-E33.00	Theory of Information Transmission	English	Fall	5.0
ARMM32.00	Thermotechnics 1	Română	Spring	3.0
CE33.00	Thermotechnics of Constructions	English	Spring	3.0
CE41.00	Timber structures	English	Fall	3.0
DS_8.20	Time Series Analysis	English	Spring	4.0
CE23.00	TOPOGRAPHY	English	Fall	5.0
CE35.00	TOPOGRAPHY- Laboratory activity - Practice	English	Spring	4.0
IPMI_65	Toxic and hazardous waste	English, Română	Spring	4.0
CE51.20	Traditional and Modern Finishes	English	Spring	2.0
IPMI_32	Transfer Phenomena and Unit Operations	English, Română	Spring	3.0
CS48.20	Translator design - UTCN	English	Fall	6.0
MIRND_11	Treatment and Recycling of Municipal Waste	English, Română	Spring	4.0

CODE	COURS (LIEN VERS SA DESCRIPTION)	LANGUES D'ENSEIGNEMENT	SAISONS	ECTS
IS 9.00	Unconventional energy sources in constructions	English, Română	Spring	4.0
TC-E02.00	Unified Communications in Cloud	English	Fall	4.0
55.10	Urban Composition	—	Fall	2.0
29	Urban Design Foundation	—	Spring	2.0
60	Urban Ecology and Urban Networks	—	Spring	2.0
67	Urban Management, Legislation, and Zoning Codes	—	Fall	2.0
48.10	Urban Mobility	—	Spring	2.0
65.30	Urban Strategy and Policy	—	Fall	2.0
36	Urban Structures	—	Fall	2.0
CS47.20	User Interface Design - UTCN	English	Fall	6.0
ICS_3.00	VLSI Digital Circuits Design	English, Română	Fall	5.0
IPMI_60	Waste Treatment and Recovery Technologies	English, Română	Fall	4.0
IPMI_56	Water and Wastewater Treatment Technologies I	English, Română	Fall	4.0
IPMI_64	Water and Wastewater Treatment Technologies II	English, Română	Spring	4.0
ACH46.10	Water Resources Management	Română	Spring	4.0
ACH47.00	Water Supply and Sewer Systems I	Română	Spring	4.0
TST-E35.00	Web Technologies and Databases	—	Fall	5.0
TC-E03.00	Wireless Systems	English	Fall	4.0
	Total			**1 922.0**