

*equivalent last year of Bachelor's Degree

Semester 1 (equivalent semester 5 of higher education)	Hours per semester	ECTS
UE - DIGITAL AND SCIENTIFIC TOOLS	202	11
Materials Science (Polymers, Wood, Composites, Steel, Ceramics)	16	1
Engineering Mathematics 1	30	2
Solid & Vibration Mechanics	22,50	2
Continuum Mechanics	33,50	2
Numerical Programming and Data Analysis	25	2
Scientific Project	19	1
In-depth review of mathematics	55,50	1
UE - ENGINEERING SCIENCES AND METHODS	126,5	10
Construction Materials 1	27,50	2
Baseload Electricity	27,50	2
Basic Energetics	26,50	2
Building Information Modeling (BIM)	23	2
Introduction to Land Surveying	22	2
UE - MANAGEMENT AND SOCIETY	63	5
Climate Change & Energy Transition (ENG)	15	1
Labour law	15	1
Business Economics	10	1
Project Management 1	12,50	1
Urban Sociology	10,50	1
UE - SOFT SKILLS ET LANGUAGES	99,0	4
English 1	30	2
Leadership and Communication 1 (BL)	15,50	1
Soft Skills Portfolio 1	4	1
ESTP Paris Technical conferences	3	0
Foreign language (Optional)	30	0
Foreign language (Optional)	16,50	0
	490	30

Semester 2 (equivalent semester 6 of higher education)	Hours per semester	ECTS
UE - DIGITAL AND SCIENTIFIC TOOLS	134	9
Numerical analysis	28,50	2
Engineering mathematics 2	32	2
Numerical modeling project	19	2
Strength of materials 1	39,50	2
Signal digital processing	15,00	1
UE - ENGINEERING SCIENCES AND METHODS	107	8
Performance of concrete materials	13	1
Soil mechanics	26	2
Fluid mechanics and applied hydraulics	30,50	2
Introduction to research	15,50	1
Introduction to legislation (Eurocodes)	8	1
Roads and main networks	13,50	1
UE - SPECIALISATION SCIENCES AND METHODS	76	4
Additive and subtractive manufacturing process	18,50	1
Electrical distribution - storage - lighting	24,50	2
Study of mechanical systems 1	32,50	1
UE - MANAGEMENT AND SOCIETY	65	5
Urban planning and construction law 1	15	1
Ethics management	15,50	1
Health & safety 1 (BL)	9	1
Design Thinking and Innovation	10	1
Fundamentals of Accounting	15,50	1
UE - SOFT SKILLS ET LANGUAGES	43,5	4
English	30	2
Leadership and Communication 2 (BL)	8	1
Soft Skills Portfolio 2	2,50	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	30	0
Foreign language 3 (Optional)	16,50	0
	425	30

Total Year 1	Hours	ECTS
	915	60

*equivalent first year of Master's Degree

Semester 1 (equivalent semester 7 of higher education)	Hours per semester	ECTS
UE - ENGINEERING TECHNIQUES AND METHODS	131	10
Finite elements methods	25,50	2
Metal construction	32,50	2
Geotechnics	29	2
Research Project	11,50	2
Reinforced Concrete 1	32,50	2
UE - ENGINEERING TECHNIQUES AND METHODS	156,50	10
Climate Engineering	27	2
Basic Automatics	21	2
Additive and subtractive manufacturing process 2	24	1
Automation	24,50	1
Basic Electronics	30	2
Study of mechanical systems 2	30	2
UE - MANAGEMENT AND SOCIETY	73,50	5
Project Management 1	15,50	1
Urban planning and construction law 1	15	1
Business Game	15	1
Analytical accounting	15,50	1
Pricing study - methodology	12,50	1
UE - SOFT SKILLS ET LANGUAGES	76,50	5
English 3	23	2
Leadership and Communication 3 (BL)	8	1
1st year Training Period Report	0	1
Soft Skills Portfolio 3	3,50	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	22,50	0
Foreign language 3 (Optional)	16,50	0
	437,5	30

Semester 2 (equivalent semester 8 of higher education)	Hours per semester	ECTS
UE08-11 - ENGINEERING TECHNIQUES AND METHODS	116	8
Geographic Information Systems SIG/CIM	28,50	2
Smart Grid/Smart Cities/Smart Building	18,50	1
Ecological and Environmental Engineering	20	1
Acoustic	17,50	1
Collaborative Building Information Modeling (BIM)	12,50	1
Engineering project	19	2
UE08-11 - ENGINEERING TECHNIQUES AND METHODS	155,50	13
Mechatronics	15,50	2
Power electronics	27,0	2
Industrial management	15,50	1
Instrumentation	18,0	2
Energy simulation	22,50	2
Renewable energy	18	1
Industrial energetics	18	1
Networks and telecommunications	21	2
UE - MANAGEMENT AND SOCIETY	58	5
Quality Management	13	1
Health & safety at work 2 (BL)	9	1
Intercultural management (ENG)	10,50	1
Public and Private Contracts	10,50	1
Hackathon ESTP Paris	15	1
UE - SOFT SKILLS ET LANGUAGES	91,0	4
English 4	30	2
Leadership and Communication 4 (BL)	8	1
Soft Skills Portfolio 4	3,50	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	30	0
Foreign language 3 (Optional)	16,50	0
	420,5	30

Total Year 2	Hours	ECTS
	858	60

*equivalent last year of Master's Degree

Semester 1 (equivalent semester 9 of higher education)	Hours per semester	ECTS
UE ENGINEERING TECHNIQUES AND METHODS	92,50	6
Control and supervision of installations	21	2
Maintenance and systems reliability	21,50	1
Energy production systems	21	1
Smart buildings energy	29	2
UE - MANAGEMENT AND SOCIETY	40,50	4
Management Control - Finance Analysis	18,50	2
Ethics in civil engineering (ENG)	7	1
Lean management	15	1
UE07-13 - SOFT SKILLS ET LANGUAGES	42	5
English	30	2
Leadership and Communication 5 (BL)	6,50	1
ESTP Paris Technical conferences	3	0
Soft Skills Portfolio 5	2,50	1
2nd year training period report	0	1
Foreign language 2 (Optional)	19,50	0
Foreign language 3 (Optional)	16,50	0
UE - OPTION	200	15
One minor to choose from :	200	15
•Landscape and Real Estate Planning		
•Engineering in an International context		
•Structures		
•Sustainable Buildings and cities		
•Building Information Modeling (BIM)		
•Constructability and Project Culture		
•Civil engineering of complex and nuclear structures		
•Roads and Civil Engineering Structures		
•Real Estate Development		
•Underground Infrastructures and Works		
•Engineering and Energy Efficiency		
•Engineer-Designer (ESTP Campus Troyes)		
•Construction 4.0 (ESTP Campus Troyes)		
•Smart City (ESTP Campus Dijon)		
•Entrepreneurship		
	333	30
Semester 2 (equivalent semester 10 of higher education)	Hours per semester	ECTS
UE - ENGINEERING PROJECT		30
6-month training period (+ report and oral defense)	n/a	30
		30
Total Year 3	Hours	ECTS
	n/a	60