

*equivalent last year of Bachelor's Degree

Semester 1 (equivalent semester 5 of higher education)	Hours per semester	ECTS
UE - DIGITAL AND SCIENTIFIC TOOLS	201,50	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	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	4
English	30	2
Leadership and Communication 1 (BL)	15,50	1
Soft Skills Portfolio 1	4	1
Foreign language 2 (Optional)	30	0
Foreign language 3 (Optional)	16,50	0
ESTP Paris Technical conferences	3	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	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)	8,0	1
Roads and main networks	13,50	1
UE - SCIENCES ET TECHNIQUES DE LA SPÉCIALITÉ	70	4
Surveying tools	48	3
Delineation and earthworks	22	1
UE - MANAGEMENT AND SOCIETY	65	5
Fundamentals of accounting	15,50	1
Construction law 1	15	1
Ethics management	15,50	1
Health & safety 1 (BL)	9	1
Design Thinking and Innovation	10	1
UE - SOFT SKILLS ET LANGUAGES	90	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
	465,50	30

Total Year 1	Hours	ECTS
	955,50	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	124,50	10
Reinforced Concrete 1	32,50	2
Research Project	11,50	2
Geotechnics	29	2
Finite elements methods	19	2
Metal construction	32,50	2
UE - ENGINEERING TECHNIQUES AND METHODS	168	10
Astronomy	12	1
Topometry	41,50	2
Surveying Calculation and Computing	24	2
Urban topometry project	28	2
Photogrammetry	33	2
Geodesy	29,50	1
UE - MANAGEMENT AND SOCIETY	74	5
Construction law 2	15	1
Analytical accounting	15,50	1
Project management	15,50	1
Business Game	15	1
Pricing study - methodology	12,50	1
UE - SOFT SKILLS ET LANGUAGES	37,50	5
English	23	2
Leadership and Communication 3 (BL)	8	1
Soft Skills Portfolio 3	3,50	1
1st year Training Period Report	0	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	22,50	0
Foreign language 3 (Optional)	16,50	0
	403,5	30

Semester 2 (equivalent semester 8 of higher education)	Hours per semester	ECTS
UE - ENGINEERING TECHNIQUES AND METHODS	116	8
Engineering project	19	2
Collaborative Building Information Modelling (BIM)	12,50	1
Smart Grid/Smart Cities/Smart Building	18,50	1
Ecological and Environmental Engineering	20	1
Acoustics	17,50	1
Geographic Information Systems SIG/CIM	28,50	2
UE - ENGINEERING TECHNIQUES AND METHODS	160	13
Multidisciplinary topgraphy project	40	3
Automation of positioning techniques	10	1
Satellite positioning methods	44	3
Remote sensing	19	2
Land register	15	1
Land & property law	13	1
Programming with Dynamo (Revit)	19	2
UE - MANAGEMENT AND SOCIETY	58	5
Public and Private Contracts	10,50	1
Quality Management	13	1
Health & safety 2 (BL)	9	1
Hackathon ESTP Paris	15	1
Intercultural management (ENG)	10,50	1
UE - SOFT SKILLS ET LANGUAGES	44,5	4
English	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
	378,5	30

Total Year 2	Hours	ECTS
	782	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	82	6
Urban and Agricultural Hydraulics	15	1
Business management	10	1
Detection of underground networks and buried structures	12	1
Geographic Information Systems 3	26	2
Laser Scanning	19	1
UE07-13 - SOFT SKILLS ET LANGUAGES	42	5
Soft Skills Portfolio 3	2,50	1
Leadership and Communication 5 (BL)	6,50	1
English 5	30	2
2nd year training period report	0	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	19,50	0
Foreign language 3 (Optional)	16,50	0
UE - MANAGEMENT AND SOCIETY	40,5	4
Ethics in civil engineering (ENG)	7	1
Lean management	15	1
Management Control - Finance Analysis	18,50	2
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		
	365	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