

\*equivalent last year of Bachelor's Degree

Semester 1 (equivalent semester 5 of higher education)	Hours per semester	ECTS
<b>UE - DIGITAL AND SCIENTIFIC TOOLS</b>	<b>201,50</b>	<b>11</b>
Materials Science	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
<b>UE - ENGINEERING SCIENCES AND METHODS</b>	<b>126,50</b>	<b>10</b>
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
<b>UE - MANAGEMENT AND SOCIETY</b>	<b>63</b>	<b>5</b>
Climate Change & Energy Transition	15	1
Business Economics	10	1
Business Law	15	1
Project Management 1	12,50	1
Urban Sociology	10,50	1
<b>UE - SOFT SKILLS ET LANGUAGES</b>	<b>52,50</b>	<b>4</b>
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 2 (Optional)	30	0
Foreign language 3 (Optional)	16,50	0
	<b>443,50</b>	<b>30</b>

Semester 2 (equivalent semester 6 of higher education)	Hours per semester	ECTS
<b>UE - DIGITAL AND SCIENTIFIC TOOLS</b>	<b>134</b>	<b>9</b>
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
<b>UE - ENGINEERING SCIENCES AND METHODS</b>	<b>106,50</b>	<b>8</b>
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
<b>UE - SPECIALISATION SCIENCES AND METHODS</b>	<b>60</b>	<b>4</b>
Earthwork applied to public works	18,50	1
Worksite organisation	17	1
Road innovation	8,50	1
Land surveying applied to public works	16	1
<b>UE - MANAGEMENT AND SOCIETY</b>	<b>65</b>	<b>5</b>
Design Thinking and Innovation	10	1
Ethics management	15,50	1
Fundamentals of accounting	15,50	1
Health & safety at work 1 (BL)	9	1
Construction law 1	15	1
<b>UE - SOFT SKILLS ET LANGUAGES</b>	<b>43,50</b>	<b>4</b>
English 2	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
	<b>409</b>	<b>30</b>

Total Year 1	Hours	ECTS
	<b>852,50</b>	<b>60</b>

\*equivalent first year of Master's Degree

Semester 1 (equivalent semester 7 of higher education)	Hours per semester	ECTS
<b>UE - ENGINEERING SCIENCES AND METHODS</b>	<b>124,50</b>	<b>10</b>
Reinforced Concrete 1	32,50	2
Finite elements methods	19	2
Metal construction	32,50	2
Research Project	11,50	2
Geotechnics	29	2
<b>UE07-12 - ENGINEERING TECHNIQUES AND METHODS</b>	<b>158</b>	<b>10</b>
Prestressed concrete 1	32,50	2
Dimensioning of road infrastructures	12	1
Analysys of roads design	27,50	2
Strength of Materials 2	41	2
Worksite technology	23	2
Roadway structures	21,50	1
<b>UE - MANAGEMENT AND SOCIETY</b>	<b>73,50</b>	<b>5</b>
Construction law 2	15	1
Analytical accounting	15,50	1
Business Game	15	1
Project Management	15,50	1
Pricing study - methodology	12,50	1
<b>UE - SOFT SKILLS ET LANGUAGES</b>	<b>37,50</b>	<b>5</b>
English 3	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
	<b>393</b>	<b>30</b>

Semester 2 (equivalent semester 8 of higher education)	Hours per semester	ECTS
<b>UE - ENGINEERING SCIENCES AND METHODS</b>	<b>116</b>	<b>8</b>
Geographic Information Systems SIG/CIM	28,50	2
Collaborative Building Information Modeling (BIM)	12,50	1
Smart Grid/Smart Cities/Smart Building	18,50	1
Engineering project	19	2
Ecological and Environmental Engineering	20	1
Acoustics	17,50	1
<b>UE08-11 - ENGINEERING TECHNIQUES AND METHODS</b>	<b>165</b>	<b>13</b>
Structure calculations	33	2
Reinforced Concrete 2	35,50	3
Geotechnics 2	35	3
Hydraulic installations	37,50	2
Prestressed concrete 2	24	3
<b>UE - MANAGEMENT AND SOCIETY</b>	<b>58</b>	<b>5</b>
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
<b>UE - SOFT SKILLS ET LANGUAGES</b>	<b>44,50</b>	<b>4</b>
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
	<b>383,5</b>	<b>30</b>

Total Year 2	Hours	ECTS
	<b>776,50</b>	<b>60</b>

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Semester 1 (equivalent semester 9 of higher education)	Hours per semester	ECTS
<b>UE - ENGINEERING TECHNIQUES AND METHODS</b>	<b>97,5</b>	<b>6</b>
Bridges	25	1
Marine works	23	1
Roads and mobility infrastructures	7	1
Urbanism & architecture	10,50	1
Metal construction project	32	2
<b>UE - MANAGEMENT AND SOCIETY</b>	<b>40,5</b>	<b>4</b>
Management Control - Finance Analysis	18,50	2
Ethics management	7	1
Management Techniques	15	1
<b>UE - SOFT SKILLS ET LANGUAGES</b>	<b>78</b>	<b>5</b>
English 5	30	2
Leadership and Communication 5 (BL)	6,50	1
ESTP Paris Technical conferences	3	0
Foreign language 2 (Optional)	19,50	0
Foreign language 3 (Optional)	16,50	0
2nd year training period report	0	1
Soft Skills Portfolio 5	2,50	1
<b>UE - OPTION</b>	<b>200</b>	<b>15</b>
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		
	<b>338</b>	<b>30</b>
<b>Semester 2 (equivalent semester 10 of higher education)</b>	<b>Hours per semester</b>	<b>ECTS</b>
<b>UE - ENGINEERING PROJECT</b>		<b>30</b>
6-month training period (+ report and oral defense)	n/a	30
		30
<b>Total Year 3</b>	<b>Hours</b>	<b>ECTS</b>
	n/a	60