

ENGLISH TAUGHT PROGRAM IN CIVIL ENGINEERING



ESTP PARIS - MAJOR IN CIVIL ENGINEERING
2021-2022
YEAR 2*

*equivalent first year of Master's Degree

S07 - Civil Engineering	Hours per semester	Credits ECTS
UE - ENGINEERING FUNDAMENTALS & METHODOLOGY	98,50	10
Structural Mechanics	43,00	
Reinforced Concrete	44,00	
Research exposure	11,50	
UE - SCIENCES & TECHNICAL SKILLS	163,00	9
Conceptual design of building structures	40,00	
Energy Efficiency	21,50	
Civil Engineering project 1	35,00	
BIM	15,50	
Geotechnical Engineering and Soil Mechanics 1	51,00	
UE - CORPORATE ENVIRONMENT	60,00	6
Business Game	15,00	
International Law	10,00	
Project Management	22,00	
Internship Report	0,00	
Quality Management	13,00	
UE - SOFT SKILLS & LANGUAGES	46,50	5
English	16,00	
Languages (optional)	7,00	
Intercultural Communication	21,50	
Professional skills	9,00	
	368,00	30

S08 - Civil Engineering	Hours per semester	Credits ECTS
UE - ENGINEERING FUNDAMENTALS & METHODOLOGY	151,50	11
Prestressed concrete	40,50	
Finite Element Methods (CAST3M)	27,50	
Steel Construction	40,00	
Geotechnical Engineering and Soil Mechanics 2	32,00	
Research exposure	11,50	
UE - SCIENCES & TECHNICAL SKILLS	123,50	8
Civil Engineering project 2	25,50	
Smart City	29,50	
Smart Grid	15,50	
Smart Building	14,00	
Structure Dynamics (structure calculus, seismic structure)	39,00	
UE - CORPORATE ENVIRONMENT	74,00	7
Financial, Accounting and Organizational Management	30,50	
Project Management Hackathon	10,50	
Business Development (ENG)	10,00	
Ethics	10,00	
Quality, Security and Environment	13,00	
UE - SOFT SKILLS & LANGUAGES	59,50	4
English	30,00	
Languages (optional)	7,00	
Public Speaking & Media Training	22,50	
	408,50	30

*equivalent last year of Master's Degree

S09 - Civil Engineering	Hours per semester	Credits ECTS
UE - SCIENCES & TECHNICAL SKILLS	120,50	9
Hydraulic Design and Experiments	36,00	
Pathology of Structures	26,00	
Bridge Design	39,00	
Roads and Methods	19,50	
UE - UE - CORPORATE ENVIRONMENT	39,50	3
Major Infrastructure projects in an International Context	24,50	
Lean Management	15,00	
UE - SOFT SKILLS & LANGUAGES	24,50	3
English	16,00	
Internship Report	0,00	
Languages (optional)	7,00	
Conference	1,50	
UE - OPTION	200,00	15
One minor to choose from :	200,00	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		
•Entrepreneurship		
	384,50	30

S10 - Civil Engineering	Hours per semester	ECTS
UE - ENGINEERING PROJECT		30
6-month training period (+ report and oral defense)	200	30
		30