



MASTER'S DEGREE IN CIVIL ENGINEERING

Postgraduate degree

estp 

www.estp.fr

CONSTRUCTORS OF A NEW WORLD

    

ENGLISH TAUGHT PROGRAM IN CIVIL ENGINEERING

A « Grande école d'ingénieur », a French private university, leader in the construction sector in France, ESTP is offering a 3-year Engineering curriculum (years 3 to 5 in Higher Education) entirely taught in English and dedicated to international students seeking a Master's Degree in Civil Engineering.

This program deals with all fundamental subjects of the built environment including a specialization and a 6-month internship. Through technical courses and soft skills development, ESTP strives to train global civil engineers, ready to work all over the world.

A "study-abroad student" may attend a semester only or a full academic year as an exchange student without graduation. Students attending this program will be able to complete 30 ECTS (European credits) per semester and 60 ECTS per year.

Additionally, French Language classes are organized for non-French speaking students throughout the program.

Courses will be led by teachers or professors from ESTP and our best visiting professors from our partner universities abroad.



WHO CAN APPLY?

- International students with a scientific background holding an equivalent of a Bachelor's degree
- International students from partner institutions
- French students admitted to ESTP



WHERE?

On our campus in Cachan, near Paris.
Access RER B, Arcueil-Cachan.
ESTP Paris – 28 avenue du Président
Wilson, 94230 Cachan.



WHEN TO APPLY?

- Applications are due by June 30th for degree seeking students and Fall semester applicants and by October 15th for Spring semester applicants:

internationaladmission@estp.fr



- For students admitted after examinations, specific instructions will be sent by the admission department.

WHAT WOULD YOU STUDY?

1ST YEAR	FALL SEMESTER SEPTEMBER - JANUARY	LAST YEAR - BACHELOR'S DEGREE
	<p>INTEGRATION SEMINAR 1 ECTS</p> <p>SUSTAINABLE CONSTRUCTION CHALLENGES 6 ECTS Climate Change and Its Impacts, Challenges for cities and territories, Engineering Project and Transitions, Stakeholders and Challenges of the construction project, Business Economics</p> <p>MATHEMATICS & MODELING 3 ECTS Mathematics : Analysis and Algebra, Digital Programming – Data Analysis</p>	<p>MECHANICS & MATERIALS 8 ECTS Materials Science, Construction Materials Engineering, Vibration Mechanics, Continuum Mechanics</p> <p>CONSTRUCTION SCIENCES & TECHNIQUES 8 ECTS Eurocodes and Technical Design of Structures, Planning and Networks, Thermodynamics, Energy of Electrical Systems</p> <p>COMMUNICATION & PROFESSIONAL PROJECT 4 ECTS Leadership & Communication 1, ESTP Professional Conferences, Portfolio Soft Skills 1, English, French as a Foreign Language, Other Foreign Language</p>
	SPRING SEMESTER JANUARY - MAY	
	<p>MANAGEMENT & INNOVATION 6 ECTS General Accounting, Labour Law, Organisation of Construction Sites, Occupational Health & Safety, Design Thinking & Innovation</p> <p>MATHEMATICS & MODELING 7 ECTS Digital Analysis, Digital Modeling Project, Probability & Statistics, Digital Signal Processing, Parametric Modeling and BIM</p> <p>MECHANICS & MATERIALS 6 ECTS Fluid Mechanics and Hydraulics, Soil Mechanics, Performance of Concrete Materials, Introduction to Research (project)</p>	<p>CONSTRUCTION SCIENCES & TECHNIQUES 7 ECTS Strength of Materials, Heat Transfer, Urban Topometry, Production, transmission and distribution of electrical energy, Road Innovation</p> <p>COMMUNICATION & PROFESSIONAL PROJECT 4 ECTS Leadership & Communication 2, ESTP Professional Conferences, Portfolio Soft Skills 2, English, French as a Foreign Language, Other Foreign Language</p>
2ND YEAR	FALL SEMESTER SEPTEMBER - JANUARY	FIRST YEAR - MASTER'S DEGREE
	<p>ENGINEERING FUNDAMENTALS & METHODOLOGY 9 ECTS Structural Mechanics, Reinforced Concrete, Research Exposure, Environmental & Sustainable Engineering</p> <p>SCIENCES & TECHNICAL SKILLS 11 ECTS Conceptual Design of Building Structures, Civil Engineering Project 1, Geographic Information Systems (GIS)/City Information Modelling (CIM), Geotechnical Engineering</p>	<p>CORPORATE ENVIRONMENT 6 ECTS Business Game, International Law, Project Management, Health and safety at work II</p> <p>SOFT SKILLS & LANGUAGES 4 ECTS English, Intercultural Communication, Professional Skills, Portfolio Soft Skills 3, French as a Foreign Language / Other Foreign language</p>
	SPRING SEMESTER FEBRUARY - MAY	
	<p>ENGINEERING FUNDAMENTALS & METHODOLOGY 11 ECTS Prestressed Concrete, Finite Element Methods, Steel Construction, Geotechnical Engineering II, Research Project</p> <p>SCIENCES & TECHNICAL SKILLS 9 ECTS Civil Engineering Project 2, Smart City, Grid & Building, BIM – Team Work, Structure Dynamics (structure calculus, seismic structure)</p>	<p>CORPORATE ENVIRONMENT 6 ECTS Financial Accounting and Organizational Management, Project Management Hackathon, Ethics, Quality Management.</p> <p>SOFT SKILLS & LANGUAGES 4 ECTS English, Public Speaking, Portfolio Soft Skills 4, French as a Foreign Language/ Other Foreign language</p>
3RD YEAR	FALL SEMESTER SEPTEMBER - FEBRUARY	SECOND YEAR - MASTER'S DEGREE
	<p>SCIENCES & TECHNICAL SKILLS 9 ECTS Hydraulic Design and Experiments, Pathology of Structures, Bridge Design, Roads and Methods.</p> <p>CORPORATE ENVIRONMENT 3 ECTS Climate Change Challenges in Civil Engineering, International Major Infrastructure Projects, Lean Management.</p>	<p>SOFT SKILLS & LANGUAGES 3 ECTS Internship Report, Portfolio Soft Skills 5, French as a Foreign Language / Other Foreign Language.</p> <p>MINOR 15 ECTS To choose from : Real Estate Development, International Engineering, BIM, Entrepreneurship, Building & Sustainable Cities, Nuclear Civil Engineering</p>
	SPRING SEMESTER MARCH – AUGUST	
	FINAL PROJECT/ 6-MONTH INTERNSHIP 30 ECTS	

estp

CONSTRUCTORS OF A NEW WORLD



CACHAN

28, avenue du Président Wilson, 94 234 Cachan Cedex

+33 1 49 08 56 50

✉ accueilcampus@estp.fr

CONTACT

International Admission

Carlos VEGA

✉ internationaladmission@estp.fr



**JOIN THE FRENCH ENGINEERING SCHOOL COMMITTED
TO SUSTAINABLE CONSTRUCTION**

OUR ACCREDITATIONS

