



École Supérieure d'Ingénieurs
des Travaux de la Construction

Catalogue de Cours – Etudiants Internationaux Course Catalogue – Exchange Students

ESITC Paris is a top-ranked Construction and civil engineering school which was created in 1992. It is a not-for-profit organization and a Higher Education Institution ('Grande Ecole'). It meets the expectations of the biggest construction and civil engineering companies.

Curriculum in Building and Civil Engineering in 5 or 3 years

Bachelor level / Undergraduate			Master level / Graduate	
1 st year	2 nd year	3 rd year	4 th year	5 th year

Possible paths for exchange students at ESITC Paris:

- 4th year : 1st semester or 2nd semester or both semesters
 - 5th year : 2nd semester option Building Engineering or Civil Engineering (final projects)
 - 4th year semester 1 + 5th year semester 2
 - 4th year semester 1 + 5th year semester 2
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- ◆ ESITC Paris welcomes exchange students for one or two semesters from the 4th to the 5th year with programs taught in French or in English
 - ◆ Students have the possibility to take French Language Courses for International Students (FLE)
 - ◆ International students can do a research project in our geotechnical lab (LASSI)
 - ◆ TOEIC can be taken.



École Supérieure d'Ingénieurs
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2^{ème} année du cycle ingénieur – TC4
2nd year Master's level courses

Semestre
/Semester

Crédits ECTS
ECTS Credits

Langue
d'enseignement
Language of
instruction

UE1 Structures / Structures – 164,5h

Béton Armé / Reinforced concrete	S1	10	FR
Béton Précontraint / Prestressed concrete	S1		FR
Constructions Métalliques / Metal structures	S1		FR
Géologie / Geology	S1		FR
D.A.O / Computer Aided Design (CAD)	S1		FR

UE2 Connaissances de l'entreprise / Corporate World – 135,5h

Droit / Law	S1	10	FR
Organisation & Gestion d'entreprise / Business organization & management	S1		FR
Organisation & Gestion de Travaux / Construction organization & management	S1		FR
Développement personnel et professionnel / Personal and professional development	S1		FR
Management éthique / Ethic management	S1		FR

UE3 Expression – Communication / Expression and Communication – 88h

Orientation professionnelle / Personal orientation	S1	10	FR
Expression orale / Oral expression	S1		FR
Anglais / English	S1		-
Allemand / German	S1		-
Espagnol / Spanish	S1		-
Stage de fin d'études	S1		EN
Culture Générale française / French general knowledge	S1		FR

UE4 Matières technologiques / Technology – 225h

Projets & Construction de Ponts / Bridge building & project	S2	10	FR
Maquette Numérique (BIM) / Building Information Modeling (BIM)	S2		FR
Pathologie de la construction / Building pathology	S2		FR
Electricité de chantiers / Worksite electricity	S2		FR
Planification travaux / Work planning	S2		FR
Management de projet / Project management	S2		FR
Dynamique du sol & des structures / soil and structures dynamics	S2		EN

UE5 Environnement / Environment – 179h

Hydraulique / Hydraulics	S2	10	EN
Environnement / Environment	S2		EN
Développement Durable / Sustainable development	S2		FR
Projet de recherche / Research project	S2		FR/EN
Conférences / Conferences	S2		FR
Mécanique des sols / Soil mechanics	S2		EN
Risk Management	S2		EN

UE6 Expression – Communication / Expression and Communication – 152.5h

Théâtre / Drama class	S2	10	FR
Anglais / English	S2		-
Allemand / German	S2		-
Espagnol / Spanish	S2		-
Sciences Humaines & Management / Human sciences & management	S2		FR
Développement personnel / personal development	S2		FR



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3^{ème} année du cycle ingénieur – TC5
Option Bâtiment
3rd year engineering program
Building option

Semestre / Semester	Crédits ECTS / ECTS Credits	Langue d'enseignement Language of instruction
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UE1 Matières technologiques / Technology – 160h

Sécurité incendie – Handicap / Fire safety – Accessibility	S2	10	FR
Acoustique / Acoustics	S2		FR
Réhabilitation du bâtiment / Building refurbishment	S2		FR
Techniques sanitaires / Sanitary engineering	S2		FR
Électricité / Electricity	S2		FR
Appel d'offre & étude de marché / Tender & Market research	S2		FR
Génie climatique / Climatic engineering	S2		FR
Lean Management / Lean management	S2		FR

UE2 Projet / Project – 301h

Projet de fin d'étude / End-of-studies project	S2	20	FR
Développement durable / Sustainable development	S2		FR
Architecture / Architecture	S2		FR
Sécurité incendie / Fire security	S2		FR
Acoustique / Acoustics	S2		FR
Structures / Structures	S2		FR
Réhabilitation / Refurbishment and retrofitting	S2		FR
Électricité / Electricity	S2		FR
Thermique / Thermal engineering	S2		FR
Techniques sanitaires / Sanitary engineering	S2		FR
Métrés – Étude de prix / Meters calculation – Price calculation	S2		FR
Organisation de chantier – Worksite organization	S2		FR
Langue étrangère / Foreign language	S2		FR

UE3 Expression – Communication / Expression and Communication – 119,5h

Culture générale française / French general knowledge	S2	5	FR
Anglais / English	S2		-
Droit du travail / Labour laws	S2		FR
Législation du bâtiment / Building laws	S2		FR
Conférences / Conferences	S2		FR
Management éthique / Ethic management	S2		FR
Développement personnel Personal development	S2		FR
Carrières dans les PME / Professional careers in small and medium size companies	S2		FR

UE4 Projet de Fin d'Étude / End-of-studies internship

Stage de fin d'étude / End-of-studies internship	S2	25	FR
Rapport / Internship report	S2		FR
Soutenance / Oral presentation	S2		FR
Évaluation entreprise / Corporate evaluation	S2		FR
Management éthique / Ethic management	S2		FR

UE1 Matières technologiques / Technology – 299,5h

Tracés & Terrassements – Chaussées / Laying out & earth moving - road work	S2	10	FR
Conception pont / Bridge conception	S2		FR
Méthode exécution ponts / Bridge building operating	S2		FR
Organisation chantier routes / Road worksite organization	S2		FR
Pathologie Ouvrages d'Art / Pathology of civil engineering structures	S2		FR
Travaux souterrains / Underground Works	S2		FR
V.R.D (Voiries & Réseaux Divers) / Roads and networks	S2		FR
Circulation routière / Road traffic	S2		FR
Éclairage & Signalisation / Lighting & road marking	S2		FR
Étude de prix Génie civil / Civil engineering price calculation	S2		FR
Travaux maritimes & aéroportuaires / Marine & airport works	S2		FR
Voies ferrées / Railways	S2		FR

UE2 Projet transversal Routes & Ouvrages d'Art/ Transversal Project Roads & Bridges – 200h

Projet / Project	S2	20	FR
Tracés & terrassements – V.R.D / Laying out & earth moving - Roads and networks	S2		FR
Conception pont / Bridge conception	S2		FR
Méthode exécution ponts / Bridge building operating	S2		FR
Organisation chantier routes / Road worksite organization	S2		FR
Éclairage & Signalisation / Lighting & road marking	S2		FR
Topographie / Topography	S2		FR
Langue étrangère Foreign language	S2		FR

UE3 Expression – Communication / Expression and Communication – 111h

Culture générale française / French general knowledge	S2	5	FR
Anglais / English	S2		-
Droit du travail / Labour laws	S2		FR
Droit des Travaux Publics / Civil engineering laws	S2		FR
Management éthique / Ethic management	S2		FR
Carrières dans les PME / Professional careers in small and medium size companies	S2		FR
Développement personnel / Personal development	S2		FR
LV3 (facultatif) / 3rd foreign language (optional)	S2		FR

UE4 Projet de Fin d'Étude / End-of-studies internship

Stage de fin d'étude / End-of-studies internship	S2	25	FR
Rapport / Internship report	S2		FR
Soutenance / Oral presentation	S2		FR
Evaluation entreprise / Corporate evaluation	S2		FR
Management éthique / Ethic management	S2		FR



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English semester

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instruction

Technological subjects – 42h

Hydraulics	10	EN
Environment		EN
Building Information Modeling (BIM)		FR/EN

Communication & Management skills – 38h

Project Management	10	FR/EN
Risk Management		EN
French for International students		-

Innovation & research – 87h

Soil and structures dynamics	10	EN
Research project		FR/EN