

SCIENCES, TECHNOLOGIES, SANTÉ

Parcours International Transport et Energie (International Transport and Energy)

Master Transport, Mobilités, Réseaux



**Niveau d'étude
visé**
BAC +5



ECTS
120 crédits



Durée
4 semestres



Composante
INSA Hauts-de-
France, UPHF

Présentation

Located in Valenciennes, in the North of France, INSA Hauts-de-France offers a unique educationan experience to talented women and men interested in the transportation industry, especially automotive and railway.

Objectifs

International Master in Transportation and Energy is entirely taught in English.

This program offers lectures, practical works and individual or team research and development projects in the fields of mechanics and energetics for transportation (mechanical design, energy management, vehicle dynamics, ergonomics, ...), but also project and product management, ...

This program gives access to a Master degree delivered in co-accreditation by Université Polytechnique Hauts-de-France and Institut National des Sciences Appliquées (INSA) Hauts-de-France, and recognized by the French Ministry of Higher Education and Research.

Admission

Conditions d'admission

The program is specially designed for international students.

For the 1st year - Master 1: Enrolment is open to students with a bachelor degree in engineering: mechanical, automotive, electronics, electricity, material science, mechatronics, physics and applied sciences, ...

For the 2nd year - Master 2 :

Enrolment is open to students with a master degree (1st or 2nd year) in engineering: mechanical, automotive, electronics, electricity, material science, mechatronics, ...

It is highly recommended to have a minimum level B2 (upper intermediate) according to the common European Framework of Reference for Languages

Modalités d'inscription

Application form can be downloaded from the INSA Hauts-de-France website or on demand:  international-master-te@insa-hdf.fr

Droits de scolarité

• **Admission in 1st year: 1st year:**

8,341€ (3,941€ to be paid at admission) + CVEC* of 105€

- **Admission in 2nd year:**

5,012€ + CVEC* of 105€

- **Admission directly in 2nd year:**

8,341€ (3,941€ to be paid at admission) + CVEC* of 105€

*CVEC : fees for campus and student life (includes health insurance). Cost may evolve depending on decision of French Ministry of Higher Education and/or of Administration Council of INSA Hauts-deFrance.

Infos pratiques

Contacts

Master ITE

☎ 03 27 51 18 55

✉ international-master-te@insa-hdf.fr

Lieu(x)

📍 CAMPUS MONT HOUY - VALENCIENNES

Programme

Organisation

This program aims at providing in-depth specialization in the wide-ranging field of transportation. Each semester includes modules dedicated to scientific and technical foundations, followed by modules of specialization.

No French proficiency is needed. Free French courses are provided during all program duration.

Liste des principaux enseignements

SEMESTER 1 - 30 ECTS

Tools and Methods 1, Design Process, Safety, Reliability Engineering and System Safety 1, Team Project, French Language Course

SEMESTER 2 - 30 ECTS

International Business Management, Tools and Methods 2, Production and Transportation Logistics, Comfort and Ergonomics, Reliability Engineering and System, Safety 2, French Language Course

SEMESTER 3 - 30 ECTS

Thermal & Hybrid Engines, Electrical, Machines, Combustion and emissions management, Thermal management of vehicles, Aerodynamics and turbulence, Tools and Methods 3, Team Project, French Language Course

SEMESTER 4 - 30 ECTS

Internship