



IMT Mines Albi
École Mines-Télécom



RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité



REACH NEW OPPORTUNITIES

JOIN OUR ENGLISH TRACKS AT IMT MINES ALBI!

A leading graduate engineering school in France



ACCESSIBILITY

- Chance to follow programs without needing to speak the local language
- **English materials for everyone**



INTERCULTURAL SKILLS

- A multicultural environment with students from all over the world
- **FLE (French as a foreign language) courses** and French acculturation



INTEGRATION INTO THE LABOUR MARKET

- **English, a major asset** in a globalized business world
- Programs to help design a more energy-efficient industry and society.



LEADING ENGINEERING SCHOOL

- A school from IMT, **the number-one group of graduate schools in France** of engineering and management

4 AVAILABLE PROGRAMS FOR A MORE RESPONSIBLE WORLD

Available on the first semester of the master 2, **the english tracks give up to 30 credits to international students.**

You then have the possibility of continuing into the second semester with an internship.

The **language of courses is English.** We can also use an AI-based instant translation tool (the result of research carried out at school).

You select **the teaching units offered, based on the school's 4 options:**



Renewable energies, sustainable production and construction

Sharpen your skills in the field of **renewable energy systems**, from production to distribution, including integration at different scales: buildings, cities, regions and industries.



Industrial engineering for organizations' performance

Meet the **logistics challenges of organizations** in all sectors, by optimizing the performance of physical and information flow management systems.



Advanced materials and processes for tomorrow's transportation

Develop **high-performance materials solutions and associated processes**, in response to the key challenges facing companies and industries of the future: aeronautics, automotive, aerospace, rail...



Pharmaceutical, agrifood and cosmetics processes

Develop an industrial culture and skills in these sectors through **the study of manufacturing and business processes**, taking into account the specific and evolving constraints of these industries.

NOMINATION BY YOUR ESTABLISHMENT BEFORE MAY 1 AT

for-mobiliteac@mines-albi.fr

COMMON CORE

Rhetorical and technical debate /
professionalisation

2 ECTS

FLE (French as a foreign language)

2 ECTS



RENEWABLE ENERGIES, SUSTAINABLE PRODUCTION AND CONSTRUCTION

4 teaching units	Program	Credits
Renewable energies, sustainable production and construction	- Energy economics and energy transition issues - Solar energy: electricity and heat production - Cooling thermodynamics and radiative heat transfer	6 ECTS
Conversion	- Tools for renewable energies integration - High-power wind and solar energy converters - Hydrogen value chain and smart grids	6 ECTS
Distribution	- CO ₂ Capture, transportation, Storage and Usage - Engine thermodynamic cycle and Pinch analysis - Energy storage and control	6 ECTS
Production	- Turbulent flows with or without chemical reaction - Renewable gases and biofuels - Biomass, wastes, pollutants projects - Simulation of flows and transport phenomena	8 ECTS



ADVANCED MATERIALS AND PROCESSES FOR TOMORROW'S TRANSPORTATION

3 teaching units	Program	Credits	
Advanced materials and processes for tomorrow's transportation	- AI applied to processes and materials - Plates and anisotropic laminates - Aeronautical techniques - Aeronautical techniques projects	8 ECTS	
Project	- Reseach project	12 ECTS	
PATHWAY CHOICE: 1 of 4	Behaviour and implementation of metallic materials	- Surface engineering - Damage and failure modes	4 ECTS
	Implementation and characterization of composite materials	- Fibre-reinforcing, flows and Ceramic Matrix Composites - Thermosetting composites materials and processing	4 ECTS
	Modelling and mechanical simulation for the resolution of technical problems	- From mechanical tests to numerical modelling - Process numerical simulation	4 ECTS
	Instrumentation and advanced data analysis	- Optical techniques for kinematic field measurements - Optical techniques for thermal measurements	4 ECTS



INDUSTRIAL ENGINEERING FOR ORGANIZATIONS' PERFORMANCE

5 teaching units	Program	Credits
Thematic opening and professionalisation	- Contract management and team management - Thematic opening: Industry 4.0 and industrial performance	4 ECTS
Management of company resources and flows	- Supply Chain management - ERP and company information systems	4 ECTS
Project management	- Collaborative Design and PLM (Product Lifecycle Management) - Agile project management - Advanced project management	6 ECTS
Supply Chain	- Supply Chain engineering - Purchasing and supply management - Management by process and performance - Advanced process simulation	8 ECTS
Industrial project	- Industrial project development	4 ECTS



PHARMACEUTICAL, AGRIFOOD AND COSMETICS PROCESSES

5 teaching units	Program	Credits
Industrial environment	- Products and formulation - Regulations and specificities of Pharma and Agro-food industries - Industrial Projects Management	6 ECTS
Chemistry and biotechnologies	- Green chemistry and multiphase reactors - Biotechnological processes	4 ECTS
Production of solid forms	- Generation of solids - Upstream operations - Downstream operations	6 ECTS
Scale-up and modelling	- Top-bottom engineering models - Bottom top engineering models - Scale-up of processes	6 ETCS
Development pathway project	- Research Initiation Project	4 ECTS

Follow us



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