

Discovering ENSTIB

The only national public school, which trains engineers in the wood sector



ENSTIB is located in Epinal, in the heart of the Vosges



The Vosges

- 280,000 hectares of forest
- An afforestation rate of 48% (3rd department)
- Vosges : Nearly 13,000 jobs from the forest (from production to processing)
- Region : 11,000 companies with 55,000 employees



In the heart of the University of Lorraine



60000 UL students
400 enstibians



15000 m²



1 school out of 11 engineering school



35 teacher-researchers
30 administrative, technical and BU
90 industrial stakeholders



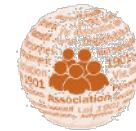
4000 graduates since 1985



1 Forest-Wood sector
4 Sectors of activity
3 laboratories
2 technical centers

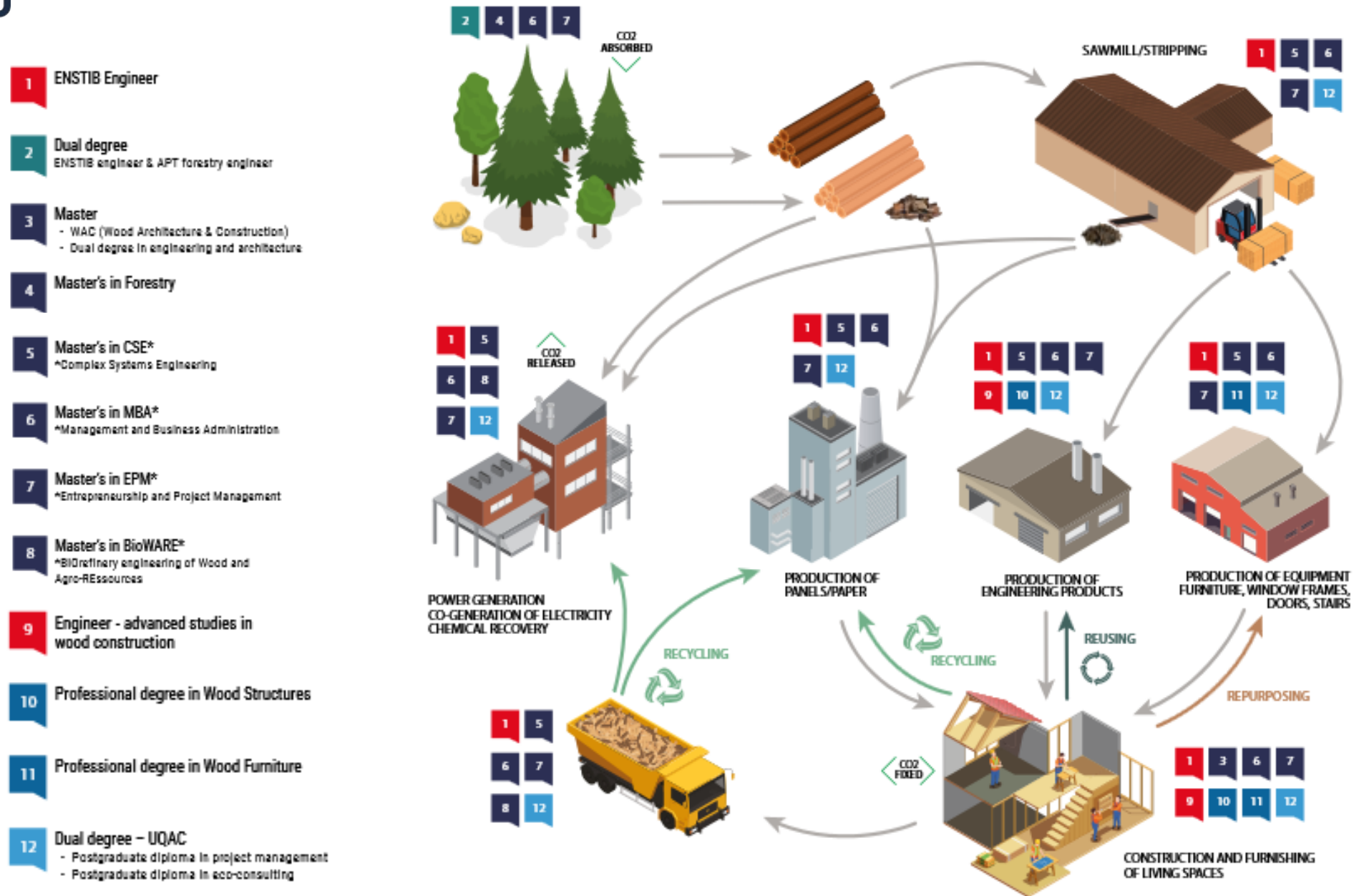


12 degrees
6 double degrees



1 graduate association
8 student associations
30 activities

Several diplomas for every link in the forestry and timber industry





- **LERMAB**, specializing in wood and bio-based materials
- **CRAN**, focused on automation and intelligent systems
- **IJL**, an expert in materials science.



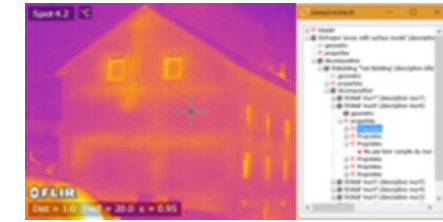
- **CRITT Bois**, an expert in the recovery of wood materials and processes
- **CETELOR**, which specialises in research on textile fibres.



Image processing and
characterisation



Thermal and energy engineering of
buildings



Traceability and optimisation of
supply chains



Green process for wood valorisation



Wood



Materials derived from plant
resources



Machining processes
- robotics & CNC



Wood for energy



Structural mechanics



OUR WOOD TRAINING COURSES



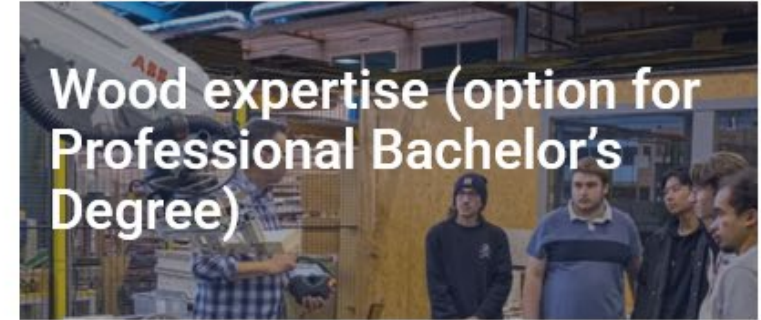
The major sectors covered by ENSTIB graduates include construction, layout and design of living spaces, energy, bio-based materials, industrial production and logistics, energy production but also for all other sectors or industries seeking innovative engineering materials.



Professional Bachelor's
Degree in Wood Structures



Professional Bachelor's
Degree in Wood Furniture



Wood expertise (option for
Professional Bachelor's
Degree)

The student receive comprehensive training that includes technical knowledge of timber construction or wood processing , as well as courses in management, economics, and humanities. The training programme lasts one year

This level degree provides all the necessary skills to take on positions of responsibility in secondary wood processing companies

we offer also the wood expertise option for students wishing to continue their engineering training



The course is characterised by its multidisciplinary approach which means our engineers can easily enter any field of the wood sector. The first 2 years constitute the core content of the engineering course, whereas the first semester of the 3rd year consists in specialisation subjects

Over 90% of ENSTIB graduates work in wood related sectors and the average time to find a first job is under one month.



Average time to access
1st job
- 9 days



Further studies
4% Ph.D



Geography
95% in France



Annual Gross Salary
36.055 €



Employment in the forestry
and timber sector
96%



Visite de Groupe SIAT
à Urmatt

PLACEMENT DE NOS ÉTUDIANTS* (EN%)

**statistiques effectuées à partir des réponses de la promo 2024*

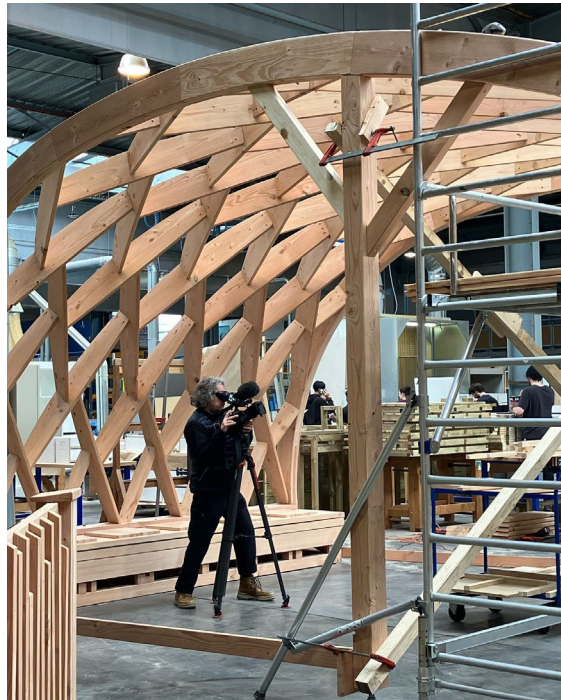
Construction : **51%**
Organismes, études, conseils : **10%**
1^{ère} transformation : **4%**
Ameublement : **6%**
Formation, enseignement recherche : **5%**
Forêt : **6%**
Bois énergie : **1%**
Menuiseries : **6%**
Autre : **11%**





This Master aims to enhance collaboration between engineers and architects to optimise the design and cost-efficiency of projects.

It enables architects and engineers to acquire dual expertise through an original training programme focused on the techniques of using wood in building construction.





The aim is to train high-level specialists to be immediately operational in the design and dimensioning of major works built for a large part in wood (blocks of flats, engineering structures, sports buildings, etc.).

This course is aimed at students who already have a civil engineering degree

40 international educational cooperation agreements, for a one-semester mobility or a gap year,

in Europe, Africa, North America and South America.

Austria, Belgium, Brazil, Canada, Chile, Côte d'Ivoire, Czech Republic, Finland, Germany, Luxembourg, Poland, Portugal, Senegal, Slovakia, Scotland, Spain, Sweden, Switzerland...





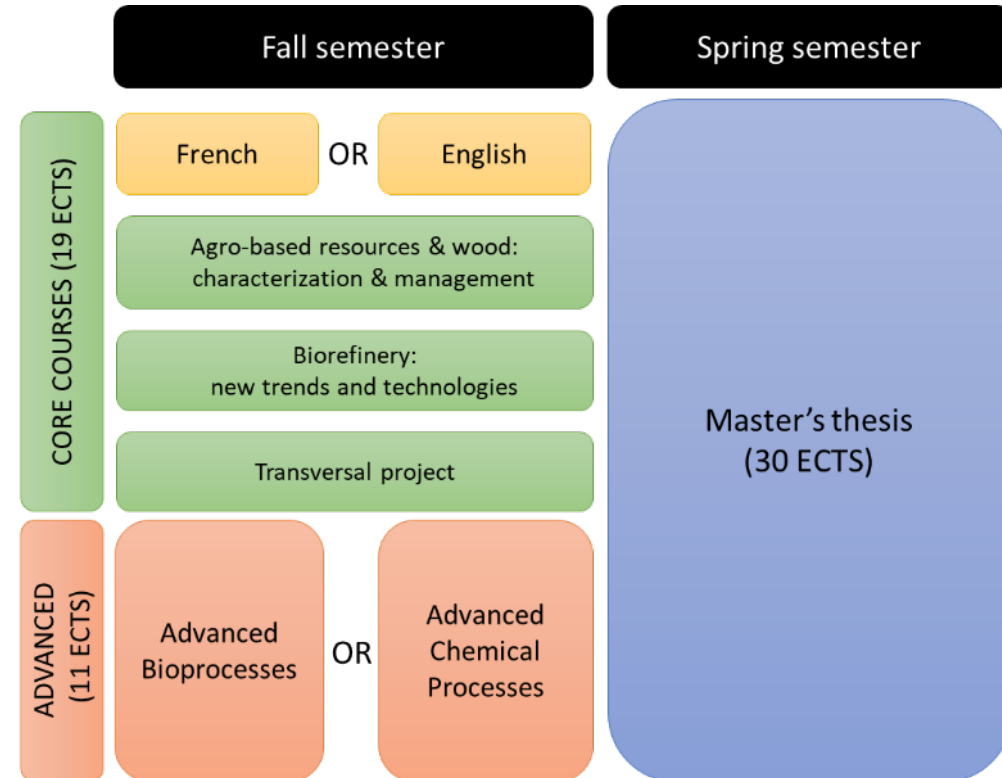
28 Erasmus / 40 agreements

Offers/news for Exchange students (English) :

- **ERASMUS Semester (30 ECTS):** Wood anatomy, wood for energy, wood preservation in construction, chemical applications of wood,...
- **Master in biotransformation BioWare** (1 year; 60 ECTS; 100% English)
- **Master internships in wood sciences**
(Timber engineering, energy, wood recycling, robotics ...)
- **Short term specialization (M2 level)** in green processes, timber calculations, ...
- Virtual Wood university master program (under construction)



Master 2 level: *Biorefinery Engineering of Wood and Agro-ressources (BioWare)*



Detailed courses content : <https://ensaia.univ-lorraine.fr/fr/content/master-bioware>

Application : master-bioware-contact@univ-lorraine.fr

Wood sciences and technology

Semestre 1 / Wood forest sector / Wood materials course

PFE (6 ECTS) / Thematic research project (proposed by a company or a laboratory).

UE 5.3 (8 ECTS) MOOC Wood anatomy + M2 Structure and anatomic properties + M3 Chemical properties

UE 5.4 (5 ECTS) M1 Chemical thermodynamics and kinetics + M3 Introduction to combustion

UE 5.5 (7 ECTS) TP Products representation and process engineering
(5.5 M3)

TP communication specific (4 ECTS)



Interested ? Go here:

<https://www.enstib.univ-lorraine.fr/en/international-school/coming-to-study-at-enstib/>

Wood sciences and technology

Semestre 2 / General use of wood

UE 6.1 (6 ECTS) M2 Management and communication

UE 6.2 (9 ECTS) M1 Biological wood degradation and preventive solutions + M2
Finishing

UE 6.3 (9 ECTS) M1 Assessment + M2 Fluid Mechanics

UE 6.4 (7 ECTS) M1 Wood mechanics and regulation

UE 6.5 (6 ECTS) TP Design and Process Implementation
(6.5 M4)



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Studying at ENSTIB means being able to get involved in a rich and friendly community life

Student Association



hot-air balloon flight



brass band





- **Wood and bio-based materials:** development of new materials, chemical recovery of bioresources, biorefinery,
- **Energy and Environment:** biomass energy recovery, effluent treatment,
- **Eco-design:** circular economy, life cycle assessment,
- **Construction engineering:** building thermals, structural sizing, building project management,
- **Production and industrialization:** Production systems engineering, digital engineering for decision support, logistics,
- **Organization of the company:** corporate strategy, marketing, management.

