le cnam

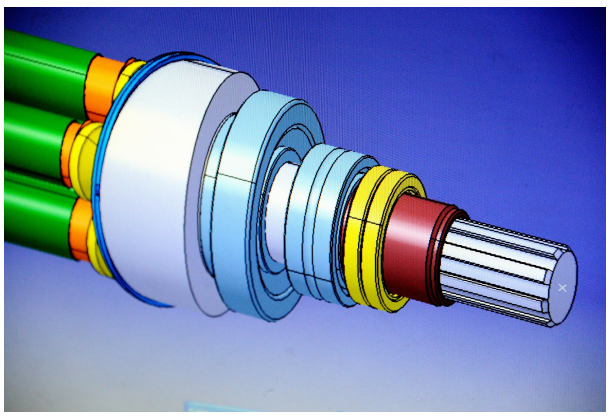
Conservatoire national desarts et métiers

MASTER DEGREE FOR INTERNATIONAL STUDENTS

Join our new Master's degree in Structural Mechanics and Coupled Systems!

Our Master's degree in Structural Mechanics and Coupled Systems, created in 2021, will allow students to demonstrate their mastery in the very specific field of structural mechanics. It is open to students after obtaining a Bachelor's degree or a "Licence" level in the LMD system in one of the following fields: Mechanical Engineering, Civil and Structural Engineering, Design Engineering, Mechatronics.

Why studying Mechanics of structures?



Mechanics of structures investigates the behavior of structures under mechanical loads, such as bending of a beam, buckling of a column, torsion of a shaft, deflection of a thin shell, and vibration of a bridge. Mechanics of structures is focused on the computation of deformations, deflections, and internal forces or stresses (stress equivalents) within structures, either for design or for performance evaluation of existing structures. It is one subset of structural analysis. Structural mechanics analysis needs input data such as structural loads, structure's geometric representation and support conditions but also the materials' properties. Output quantities may include support reactions, stresses and displacements. Advanced structural mechanics may include the effects of stability and non-linear behaviors.

Career opportunities

With the Master's degree in Structural Mechanics and Coupled System, Students will be able in one or two years to quickly obtain the best positions in the competitive industries in areas such as:

Transportation (Safran, Thales)
Automation, Energy generation (GE)
Aerospace (Airbus, Ariane group, Naval group)
Research laboratories in mechanical engineering (LMSSC)

Positions held within the industry could be as follows:

Structural engineer
Structural analyst
Research engineer
PhD in public and private research organizations

DIPLÔME NATIONAL DE MASTER

Why choosing Cnam to study Mechanics of structures?

This new advanced degree will prepare students them with the in-depth, modern instruction and skills they need to compete in their future career either in the industries or in research.

Once graduated, the student will be able to:

Provide the best references of the industrial and academic state of the art to those, who work in the fields related to structural engineering in the context of multidisciplinary design;
Acquire communication skills between individuals and teams in the context of the company and its organization in order to understand social relations within the company and to apprehend the intercultural dimension of relations in the professional environment;
Raise awareness of the corporate culture of major French groups and the project management methods in force to integrate this know-how into project management.

Courses' strong points

+ The courses are taught fully in English

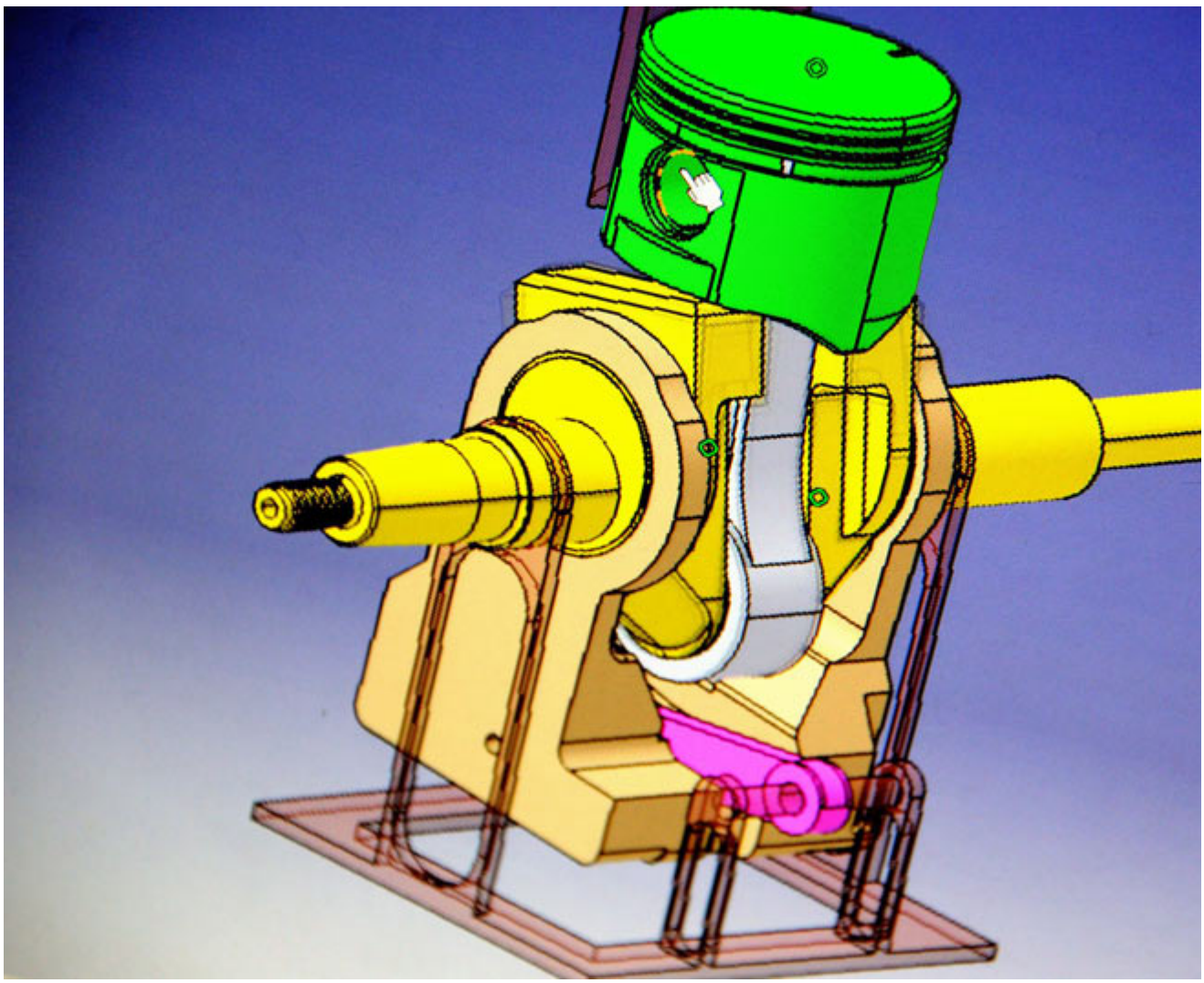
+ Courses take place onsite or online if required

+ The cohort includes international students from all over the world - Lebanon, Mexico, Colombia, Pakistan, China, Vietnam etc.

+ The Program's faculty body include world-class academics and industry experts

+ Students can do research in Cnam's laboratory

To know more about the full program presentation end details, please click HERE



September 1, 2023
September 30, 2024

1st admission interview for 2024

on 21 November 2023!

To know more details about the program

Download the brochure

Check the calendar

Application: till end of June
Visa: till end of July
Arrival: till end of September
Start of classes: October
End of classes: June

Contact our admin team

Do you know that the Cnam also proposes for foreign students in Paris?

3 international Masters in Management

International Development,
Project Management
Digital Marketing

3 international Masters in Engineering Sciences

Telecom Networks
Structural Mechanics
Computer Science

For more information on each courses see, visit our web page dedicated to foreign students