





INSTITUT NATIONAL DES SCIENCES APPLIQUÉES CENTRE VAL DE LOIRE





BAC + 5

MASTER of Mechanics Civil engineering,

Materials, Structures

Speciality approved by Polytech Orléans, Polytech Tours & INSA



Organization

Initial and continuing education.

University students follow a single degree course and can join the program either in the first (M1) or second (M2) year.

Engineering students from the three engineering schools follow a double degree course in their final year (M2).

The M2 course can be followed in English, so is open to non-french speaking students (UO and UFRST). Most of the courses take place on site, but videoconferencing and virtual classrooms also form a significant component of the program. The Master's degree is awarded subject to obtaining certification at the B2 level in English. The aim of this program is to offer training for middle and senior magement positions in research and development in various sectors of activity requiring advanced knowledge and expertise in mechanical modeling and characterization.

Presentation

The most significant applications concern several industrial sectors (mechanical engineering, civil engineering...).

Graduates of this Masters course will be fully trained to become scientific managers, project leaders, or consultants, including at an international level.

They will be able to accomplish missions of organization, production, competitive intelligence, innovation and research and development, in the private sector as well as in public research institutions and higher education.

The main objectives of this course are to train university students in the field of mechanics and to give mechanical engineering students the opportunity of doing a PhD.



Each school : master.mecanique@univ-orleans.fr (university of Orléans) concours@listes.insa-cvl.fr (INSA CVL) master.mecanique@univ-tours.fr (university of Tours)

The Course

Schedule

M1: 480hrs classes (Two semesters of 240hrs)

M2 : one semester of 260hrs classes followed by an intership of one semester (25 weeks) For those on the double degree course, the number of hours specially devoted to the Master's program is 90hrs.

Location

The Master is jointly approved by 3 educational institutions : Université de Tours (UT), Université of Orléans (UO) and INSA CVL.

The first year M1 can be done either at Polytech Orléans (Civil Engineering, Innovations & Material Design) or at INSA CVL.

The second year M2 can be done at Polytech Orléans, Polytech Tours or at INSA CVL. 2 options to Polytech Orléans (Civil Engineering, Design and Materials Innovations) 2 options to INSA CVL (Industrial Systems Engineering (Blois) & Industrial Risks Control (Bourges))

1 option to Polytech Tours (Mechanics and systems design)

Admission criteria

Entrance qualifications required : M1 : Bachelor of Science (180 ECTS) or equivalent degree degree. M2 : Master of Science 1st year (240 ECTS) or equivalent degree. Specific entrance : Engineering students from INSA CVL, Polytech Tours and Orléans (Civil Engineering, Innovations & Material Design).

Application

Candidates who are subject to the Campus France procedure must apply via Campus France for each institution supporting the Master's programm. University of Orléans- Faculty of Sciences & Technology

Application ecandidat : https://ecandidat.univ-orleans.fr/ecandidat/#!accueilView master.mecanique@univ-orleans.fr

INSA Centre Val de Loire

Master's Office - 88 Boulevard Lahitolle, CS 60013 - 18022 Bourges Cedex, France concours@listes.insa-cvl.fr

University of Tours

Address : Polytech Tours, 64 Avenue Jean Portalis, 37200 Tours Application ecandidat : https://ecandidat.univ-tours.fr/ecandidat/#!accueilView master.mecanique@univ-tours.fr

Deadline for sending in applications :

1st session from 1st April to 30th April 2022/ 2nd session from 1st June to 20nd June 2022

Selection is performed on the basis of the applicant's academic record plus an interview if necessary.Decision on admissions are made by the Admission board of the Master's program. Applicants will be informed of the decision by e-mail by the end of May or mid-July.



The Master's training program is backed by mechanics laboratory Gabriel LAME (LaMé, with cotutelle UT, UO, INSA CVL).

In the Center-Val de Loire Region, this laboratory represents university expertise in mechanics, and specifically in the mechanics of materials, structures and civil engineering.

The research activities of the laboratory correspond to the course content of this Master's program.

The laboratory will internships on the topics covered by the program, some of which in association with companies and industrial partners. The traineeship offer can be extended to foreign and French partners with various new or existing re-search collaborations with LaMé laboratory.



Interactions with the socio-economic world are at different levels. Industrial partners are involved in the teaching to allow students to acquire professional skills: for example, partners such as CEA, SA-FRAN, the DGA.

This interaction will obviously be reinforced during the internship. Industrial partners are members of the Development Council.

Lastly, the Master's degree students are potential candidates for CIFRE agreements or in response to calls for projects involving the laboratory in a consortium.

http://formation.univ-orleans.fr/fr/formation.html www.insa-centrevaldeloire.fr/fr/formation/master

