

#Mechanics #Materials
#Process #Modeling
#Automotive #Aerospace
#CivilEngineering

MÉCA

Mechanics

ENGINEERING
degree

meca.insa-rouen.fr



Training in
France

48

students per
school year

Less than

1

month
to find a job

Engineers trained in the **MECHANICS** specialty can intervene at all levels of industrial processes : overall or detailed design, materials choice, implementation, fabrication, maintenance. They master modeling and optimization as well as product or new materials development.

ADMISSION

Students can apply to INSA after a postgraduate degree or after two years of higher education in sciences.

COURSES

- ✓ teaching: Materials and Processes, Deformable Solid Mechanics, Mechanical Systems and Control, Modeling Tools, Numerical Methods, Technology and Materials, Experimental Techniques ...
- ✓ 55 % of scientific teachings, 20% of projects and 25% of humanities (Communication, Foreign Languages, Management...)
- ✓ general knowledge acquisition of mechanics, in the years 1 and 2. Pre-specialization in year 2 then specialization in year 3: Product Engineering/Process, Design and Dimensioning of Structures or Fluid Mechanics for Aerospace Engineering
- ✓ international aspect : minimum of 3 month internship abroad, possibility of preparing a joint diploma with Germany or a double diploma with Brazil or Spain

PROFESSIONAL OPPORTUNITIES

Fields

Automotive, Aerospace, Nuclear, System Design, Production, Civil Engineering ...

Graduates have the opportunity to continue their studies with a PhD.

Engineering functions

R&D, Production, Project leader ...

I choose **MECHANICS SPECIALTY**

On a real campus

This training takes place near the city of Rouen on the campus of INSA Rouen Normandie, easily accessible with public transports. Student residences are available on campus.

An interactive approach

Long term personalized projects enable students to increase their theoretical knowledge, acquire skills and develop their own innovative ideas.

Support for innovation and entrepreneurship

INSA Rouen Normandie is committed to training profiles sensitive to innovation and entrepreneurship. The institute takes part in different promotion programs such as Pépite, which assists young entrepreneurs.

A professional model

Students have several opportunities to discover the professional context: work experiences, project management and possibility to carry out their final year within the frame of a professional training contract: 2 days in the company and 3 days at INSA Rouen Normandie.

Facilities

This specialty has several pedagogical facilities: a common center of precision machining equipped with a 5-axis machine and a center of innovation and expertise in mechanics, materials and energies.

A personalized curriculum

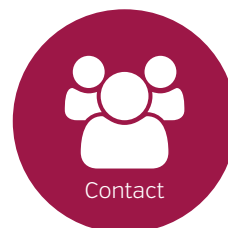
Students have the opportunity to prepare for a research Masters during their 3rd year (in a laboratory such as CORIA, GPM or LMN). They can also do their last year in a similar specialty in another INSA.



Keep in mind

INSA Rouen Normandie is the first public school of engineering in the region. The themes of its 10 engineering programs, 2 Specialized Masters® and 7 Research Masters, are supported by its 8 laboratories. INSA Rouen Normandie is part of the INSA group, comprising 6 national institutes, one international institute, as well as 7 partner schools.

Registration: <http://admission.groupe-insa.fr/>



Contact

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