

Mechanical and Production Engineering



Why choose to study Mechanical and Production Engineering?

The two-year degree in Mechanical and Production Engineering is aimed at students interested in Engineering Science, Product Design, Production and new technologies.

This course has three objectives :

- Develop students' aptitudes/skills/abilities in product manufacturing by applying modern techniques of design and industrial production
- Foster the development of students' critical thinking through the use of technical and scientific tools
- Stimulate students' spirit of initiative as well as encourage teamwork with training in social sciences and in communication



What careers are possible immediately following the degree awarded at the Institute of Technology?

Jobs include: Skilled technicians in design offices, mechanical production, maintenance, production organization, or Technical sales representatives. Roughly 10% of graduates choose to seek a position immediately after finishing the course.

What can a student do after a two-year degree?

It is possible to follow up this degree with a one-year course to obtain a Bachelor's degree in Mechanics or in a more vocational subject such as those offered within the Mechanical and Production Engineering Department, 'Industrial production' or 'Aeronautics maintenance'. The student may also choose to apply to an engineering school such as UTC, ENSAM, ENI, or ITII.

How are classes organized?

1800 hours of teaching are organized over the two-year period in four semesters, or, in other words, on a 35-hour weekly basis. A National Pedagogical Program defines what is included in the course. Classes are arranged in four large 'Teaching Units'. Marks are based on continuous assessment.

Mechanical and Production Engineering

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What subjects are taught?



Teaching unit one : Sciences

- Mathematics and statistics
- Dimensioning of structures
- Mechanics
- Material Science
- IT

Teaching unit two : Technology

- Product Design
- Production
- Methods
- Metrology
- Electricity
- Electronics
- Robotics

Teaching unit three : General and managerial training

- Communication
- English
- Management
- Career planning

Teaching unit four : Activities of synopsis

- Synopsis activities
- Technology projects
- Internship as a technician

Examples of Guided Projects :

- Participation in the Shell Eco-Marathon competition
- Design of a patient lift for disabled persons (Rowing Club)
- Design and production of a personal

Useful Informations

Go to the Internet site of the Institute of Technology :

<https://iut.univ-amu.fr>

The type of students who would be interested :

- Full-time students
- Students looking for an Apprenticeship
- Continuing Education : Adults returning to school
- Adults seeking validation for skills acquired

Continuing Education:

- Code RNCP : 2508

Contact

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AIX
CAMPUS

All the essential facilities for student life are found on the Aix campus: for student housing, student dining halls, sports centers, and leisure activities. Aix-en-Provence is the university town 'par excellence'!