



IUT de TROYES

9, rue de Québec  
10026 TROYES Cedex  
Tél. 03 25 42 46 46  
Fax. 03 25 42 71 16  
[www.iut-troyes.univ-reims.fr](http://www.iut-troyes.univ-reims.fr)

**Contacts :**

Chef de département :  
**Daniel SCIDA**  
[daniel.scida@univ-reims.fr](mailto:daniel.scida@univ-reims.fr)

Assistante :  
**Danièle KHANNA**  
[daniel.khanna@univ-reims.fr](mailto:daniel.khanna@univ-reims.fr)  
Tél. : 03 25 42 46 19



## DUT GMP

### Mechanical and industrial automation engineering

The mechanical and industrial automation engineering department of the University Institute of Troyes allows you to become, within two years, a non-specialized technician, able to carry out an industrial product cycle of life, from its conception to its production.

Constantly evolving, this domain now relies on innovative equipments and many tools and software programs at the heart of this specialty, particularly in design, manufacturing, design of structures and automated production (robotics, flexible workshop).

#### Application

Your school qualification transcripts will be examined by a jury. B1 level of French is required. Baccalaureate or an equivalent of a high school degree is requested.

#### Goals

To become a technical manager or an engineer's assistant, to work in Design, Manufacturing, to organize and manage production.

#### Teaching in four semesters

Courses are organized in four Teaching Units composed of several modules.

- UE 1 : Scientific teaching – learn about scientific tools necessary to acquire technical skills.
- UE 2 : Technical teaching - courses including technical characteristics and information about jobs skills.
- UE 3 : General teaching - courses dealing with the industrial world and its environment.
- UE 4 : Tutored projects and work experience.

The specificity of the mechanical engineering department is its flexibility in terms of organization of your studies (you can either start the school year in September or February).

#### Job opportunities

Graduating from the department of mechanical engineering of the IUT enables the student to integrate a specialized or non specialized team of workers in any industrial company: in the R&D department, in design, maintenance, organization and production management, quality control...

#### Further studies

Engineering schools, licences, professional licences (sandwich course), University Degree, double skills schools...





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## Teaching Organisation

TU	Modules	S1 / S2	S3 / S4
TU 1 <b>Scientific teaching</b>	Mathematics - statistics	105h	45h
	Dimensioning of structures	60h	75h
	Mechanics	90h	60h
	Materials science	75h	15h
	Computering	30h	15h
TU 2 <b>Technical teaching</b>	Mechanical engineering of designed products	120h	142,5h
	Production	105h	60h
	Méthods	60h	82,5h
	Metrology	45h	
	Electricity - electronics - automatisms	90h	75h
TU3 <b>General teaching</b>	Expression - communication	60h	60h
	English	60h	60h
	Personal and professional project	45h	
	Management	45h	90h
	Adaptation	30h	
TU 4 <b>Synthesis activities and work experience</b>	Tutored projects	300 hours	
	10-weeks internship during semester 4		

Teaching is 1800 hours and 300 hours of projects.  
The diploma gives 120 ECTS credits (30 credits per semester.)

## Tests

Assessment takes place all year round.

