

BREVET DE TECHNICIEN SUPERIEUR (2 years) DESIGN AND INDUSTRIALIZATION FOR MICROTECHNOLOGY

Conception et Industrialisation
en Microtechniques (CIM)

Regular hourly rate

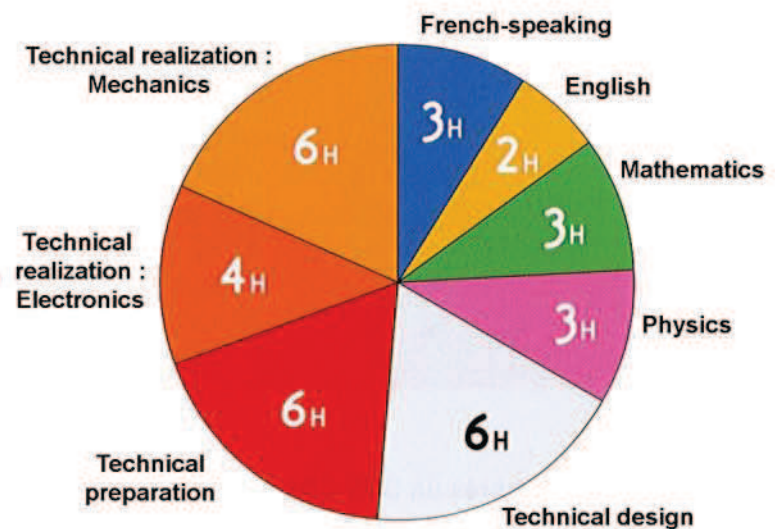
BTS CIM - 1st year

For which students ?

You have a high school diploma (A-level) in mechanical, electrical or electronic engineering or in general science.

You are interested in designing, innovating, seeking out technical solutions, realizing prototypes for consumer-oriented products and you like to work in team environments for multi-technical projects.

You like thorough jobs and you are meticulous.



TOTAL 33H

Getting more info

Technical design

Technicians in microtechnology will design or modify a device, an equipment or specific fixture. They will search out technical solutions and perform the necessary calculations. They will develop 3D-models on Computer Aided Design (CAD) platforms.

Technical preparation

The technicians partly or entirely define the production processes of products in view of their industrialization.

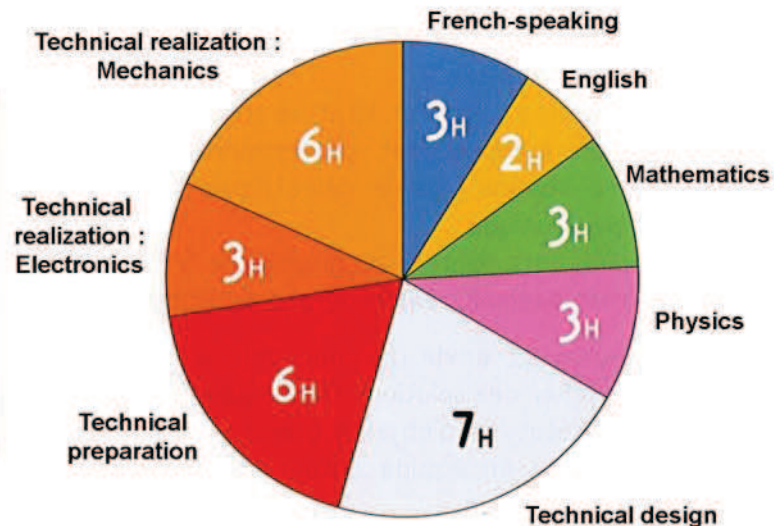
Technical realization

Students will realize prototypes or validation tools with high-technology means such as rapid prototyping or high-speed machining. They will do the programming for Computer-Assisted Manufacturing (CAM) stations.



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BTS CIM - 2nd year



TOTAL 33H

Bigger benefits !

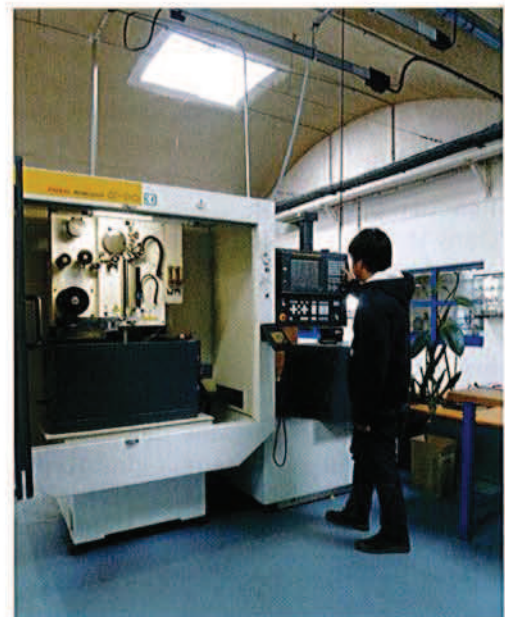
1. Six-week traineeship in a company
 This placement will help getting accustomed to actual activity in the real world. Students will use the knowledge they acquired during year one.
2. Mastery of prototyping processes using in-school cutting edge equipment.

■ **What to do after that ?**

- Take a job.
- Go in for one more year : 'licence professionnelle'.
- Start an engineering school (3 years).

The exam

Subject	coefficient	conditions
French	1	written, 4h
English	1	continuous assessment
Mathematics	1.5	written, 2h
Physics	1.5	written, 2h
Preliminary design	2	written, 4h
Detailed design	2	written, 4h
Realization/ Integration of Systems	2	continuous assessment
Technical project	4	oral, 1h 20mn



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