

# Master 1 Health engineering

**Master 1 of Science, Technology, Health  
Health engineering honours**

*Term state date Monday September 3rd 2018 at 2pm  
Medicine Faculty - Room B318.*

***Health Engineering** has an original sector-specific approach to all technologies applied to the healthcare product field.*

*It is based on sound translational research providing the opportunity to gain twofold cross-disciplinary skills.*

*This training course is in line with the merging of local health figures and the organisation of research and industrial entities on the Saint Etienne site.*

*The Master 1 is shared by the training course, includes 2 semesters each with 30 ECTS and is preparation for the Master 2 of Health Engineering. At the end of the Master 1 year, students must choose from the following three options for the M2:*

- > Neuroengineering
- > Cell and tissue engineering
- > Legal and health environment

## Objectives

The aim of the course is to provide a coordinated overview of managerial training in the field of technologies applied to health production from system understanding to design, market clearance and clinical study. The scientific course includes an innovative presentation of legal regulations to provide students with a vital understanding of the evolution of the legal, national and European framework and health products which managers deal with.

How does the e-Candidat work?

## Who's it for?

### Target audience

The first year of the Health Engineering Masters is suitable for science graduates (life sciences, biology, chemistry).

Medicine students must have the equivalent of the Master 1 in a joint course by enrolling on the DU Pre-master course.

Vocational training is provided by fundamental cross-disciplinary teaching (work placement in Health Engineering, Law, biostatistics, quality, project management): Work Placement in a company or experimental research work in a laboratory; both cases over a period from April to mid-June for 15 credits.

JMU i-Health Master students aimed to introduce and communicate the fruit of their studies to the general public. They explored certain aspects of how the intestine works and presented their results in an approachable way on posters.

**Very different themes were addressed:**

- > The importance of our gut flora (our gut microbiota)
- > The causes of inflammatory bowel diseases

- > The mechanisms that trigger and control vomiting
- > The effects of alcohol on our gut
- > The impact of intestinal parasites
- > Interactions between the gut and our immune system or the brain and gut

**view:**

Between art and medicine, the gut's subtle charm poster Jill  
Enders interview  
the exhibition booklet  
Motivation and philosophy behind the exhibition

## Entry requirements

- > Prepare your Master application

