

# Master in Health engineering

## The programme offers the following course(s) :

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- › Science and management of biotechnologies 1st year
- › Drug sciences and pharmaceutical engineering 1st year
- › Health methods and technologies 1st year
- › Health double curriculum 1st year
- › Science and management of biotechnologies: biopharmaceuticals 2nd year
- › Science and management of biotechnologies: cell and gene therapy, tissue engineering 2nd year
- › Science and management of biotechnologies: biomarkers - in vitro diagnosis 2nd year
- › Industrial pharmacy formulation processes production 2nd year
- › Quality control, quality assurance, validation methods 2nd year
- › Innovative methods of pharmacological development and individualization 2nd year
- › Environment, health, toxicology and ecotoxicology research methods 2nd year
- › Methods for the design and management of clinical research projects 2nd year
- › Models, technological innovation, imaging 2nd year
- › Medical physics 2nd year
- › Radioprotection 2nd year
- › Health education methods 2nd year
- › BioHealth engineering 2nd year

## Presentation

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The “Health Engineering” Masters were created in 2003 and are organised by the Faculties of Medicine and Pharmacy in Grenoble.

Previously accommodating a hundred students at M2 level, this course now has more than 350 students shared between both the M1 + M2 offer. At a time when multidisciplinary is considered one of the driving forces of progress in the health sector, this Master is a place for young scientists (biology, chemistry, physics, etc.), doctors, pharmacists, engineers, radiographers, veterinarians or midwives to meet. Local, national or international partnerships, strong connections with the working environment and good integration numbers for graduates all explain the attraction observed over the last few years, with, for example, nearly 50% of our M2 students coming from M1 courses other than the Health Engineering course.

The teams managing this course come from a community of teacher-researchers and researchers who practice their research activities within **laboratories associated with the CNRS, or the CEA or INSERM and within departments of the Grenoble University hospital (CHU)**. The subjects, tasks and work placements offered to the students vary from learning about the most fundamental notions to the development of applications that are immediately useable in clinical practice or in public health. Solutions are based on the most recent tools and findings in mathematics, physics, computer science or biology.

All curricula require a strong collaboration between the health departments and the teams from scientific and technical disciplines and involve many industrialists.

## Objectives

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The IS Master's degree contains 13 2nd-year Master's courses in the fields of **medtech, pharmacy, biotechnology and environment-health relations**. These courses provide access to occupations which meet

society's needs both in fundamental research and in clinical research and the development of industrial applications. The occupations carried out by our graduates are not limited to research and development as our students are also trained, depending on their chosen course, in quality, regulations, industrial property and even management.

## Registration and scholarships

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Public continuing education:

You are in charge of continuing education:

- if you resume your studies after 2 years of interruption of studies,
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed.

If you do not have the diploma required to integrate the training, you can undertake a [validation of personal and professional achievements \(VAPP\)](#).

"You wish to apply for and register for a training course at the University of Grenoble Alpes The application procedures depend on your profile and your country of residence. You are a student.e of French nationality, or you reside in the EU, where you reside in a country not under the procedure Studies in France (see below), you must apply via the application ecandidat on the dates below:

For the 1st year of the Master of Health Engineering: entry of applications online between 18/03/2019 and 9/05/2019. Interviews for those pre-selected early June 2019 deadline for answers: 17/06/2019 - For the 2nd year of the Master of Health Engineering - whatever your mention and your course of M1 (the M1 IS are also concerned ): entry of applications online between 01/04/2019 and 30/05/2019. attention: The M2 HEALTH ENGINEERING COURSE METHODS FOR LEARNING IN HEALTH will not open at the start of the 2019-2020 school year. Applications for the M2 international Healthy Living will be open from March 4, 2019 to April 30, 2019 (contact: ri-pharmacie@univ-grenoble-alpes.fr) Applications for the H4L Master will open from 4th March 2019 to 30th April 2019 (contact: ri-pharmacie@univ-grenoble-alpes.fr) You live in one of the countries below . You thus come under the procedure Studies in France: entry of the applications on line on the Campus France site The dates of candidatures are specified on this site. The procedure "" Studies in France "" concerns only the students residing in one of the 41 following countries: Algeria, Argentina, Benin, Brazil, Burkina Faso, Burundi, Cameroon, Chile, China, Colombia, Comoros, Congo Brazzaville, South Korea, Ivory Coast, Djibouti, Egypt, United States, Gabon, Guinea, India, Indonesia, Iran, Japan, Kuwait, Lebanon, Madagascar, Mali, Morocco, Mauritius, Mauritania, Mexico, Peru, Democratic Republic of Congo, Russia, Senegal, Singapore, Taiwan, Togo, Tunisia, Turkey and Vietnam. For more information, we invite you to visit the website of the Master of Health Engineering Contact: [scolaritemasteris@univ-grenoble-alpes.fr](mailto:scolaritemasteris@univ-grenoble-alpes.fr) "

## Practicals informations :

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- > **School** : UFR Médecine, UFR Pharmacie
- > **level** : Baccalaureate +5
- > **Duration** : 2 years
- > **Credits** : 120
- > **Course type** : Initial and Continuing Education
- > **Location(s)** : Grenoble - La Tronche domaine de la Merci
- > **Contacts** :

### Programme director

Jean Breton  
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### Programme administration

Education mention of master's degree Health Engineering



UFR Médecine

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