THEMATIC PROGRAM GRADUATE SCHOOL@UGA

Training the next generation of international scientists open to the world and its challenges

PLANNED HEALTH

UGA
Université
Grenoble Alpes

WHAT IS A THEMATIC PROGRAM?

A thematic program is an interdisciplinary module that aims to create a new generation of professionals capable of responding to major scientific and/or socio-economic challenges of the 21th century.

These modules are related to Master courses and give the students transversal skills thanks to solid training and rich international collaboration.

Students who participate in a thematic program can benefit from:

- A state of the art curricular through and for research in the 1st and 2nd years of Master;
- A 2-year-scholarship of €14 500
- Mobility grants for an internship abroad;
- French language courses.

Presentation of **PLANNED HEALTH** thematic program

Physical and numerical methods applied to health play nowadays a critical role in developing state-of-the-art solutions for health.

The program *Planned Health* is welcoming ambitious students who want to tackle challenges in major healthcare issues with innovative methods in medical physics, instrumentation, experimental methods, medical imaging, innovative medical devices, storage and treatment of complex data, modelling and simulation, together with new approaches stemming from artificial intelligence.

Research and innovation in health - and particularly in the prevention, diagnostic, therapy and follow-up of chronic diseases (such as cancer, neurodegenerative diseases, epilepsy, osteo-articular diseases, etc.) have ever-increasing needs in terms of multidisciplinary approaches including state of the art developments in instrumentation, experimental methods, modelling and simulation, and processing and analysis of complex data with advanced numerical methods including artificial intelligence.

Developping disruptive physical and digital methods with and for the actors of innovation in health (labs, healthcare institutions, industrial partners) is a major societal challenge that requires transdisciplinary training at the graduate level.

The program *Planned Health* is welcoming ambitious students who want to tackle these challenges in healthcare, aging and chronic diseases with cutting edge physical and numerical approaches.

PLANNED HEALTH's program

Specific courses for this thematic programme :

IN MASTER 1 - 6 ECTS

- Collaborative research project in physical and numerical methods in health- The work will beperformed in one of the 15 labs in Grenoble working in innovation in health using physical or numerical approaches.

IN MASTER 2 - 6 ECTS

- Intensive school at the European Scientific Institute in Archamps on physical and numerical methods in health.

Master programmes that offers

PLANNED HEALTH

Master's degree / Engineering	University department or School	Language
M1 Methods and Technologies for Health	Faculté de Médecine	French
M1 Physics of Complex Matter	UFR Phitem	English
M1 Physics - Research and Innovation		French
M1 BioHealth engineering	Faculté de Pharmacie	English
M2 BioHealth Engineering	Faculté de Pharmacie	English
M2 Artificial Intelligence for Health		
M2 Models, Innovation and Imaging (MITI)	Faculté de Médecine	French
M2 Medical Physics - Radiation Protection (PMRHE)	Faculté de Médecine / UFR Phitem	French
M2 Nanomedicine	Grenoble INP - Phelma / UFR Phitem	English
M2 Physics of Complex Matter	UFR Phitem	English
3A BioHealth Engineering	Grenoble INP - Phelma	English

How to apply?

Step 1 – Admission to a Master's degree or Engineering School that participates in the Graduate School

Apply for the master of your choice among those participating in the PLANNED HEALTH thematic program – See the list on page 3

When: you must check the Master's deadlines
https://www.univ-grenoble-alpes.fr/formation/admissions-et-inscriptions/

Step 2 – Admission to the thematic program

Once admitted to the master's degree, apply for the thematic program by connecting to theGS@UGA website : www.univ-grenoble-alpes.fr/research/graduate-school/
Then, contact the PLANNED HEALTH thematic program coordinator by email (see contact section).

When: As soon as you have received your master's admission letter.
You will receive a notification in case of acceptance or refusal by email.

Scholarships

Graduate School@UGA provides scholarships based on the academic excellence of students (not hold a french baccalaureate) enrolled in one of the 15 thematic programs.

The scholarship amount is 14,500 € (9,000 € for the 1st year of the Master's degree and 5,500 € for the second year), plus an internship grant of up to 3,000 € (depending on the internship period).

Graduate School@UGA scholarships are granted for two years (no scholarship is possible if the student registers only in the second year).

You must show interest in the scholarship through your motivation letter when applying for the thematic program.

Selection is by interview (the motivation of the candidate, the adequacy of his or her profile to the thematic program and his or her linguistic abilities will be evaluated). You will be notified before the start of the academic year (between March and June)

FOR MORE INFORMATION

https://www.univ-grenoble-alpes.fr/plannedhealth-thematic-program

CONTACT

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