



THEMATIC PROGRAM GRADUATE SCHOOL@UGA

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

SUMMIT

Sustainable Microelectronics and
Microsystems for advanced Integrated
technologies

UGA
Université
Grenoble Alpes

WHAT IS A THEMATIC PROGRAM?

A thematic program is a set of interdisciplinary modules that aims to train the new generation of professionals able to address the major scientific and/or socio-economic challenges of the 21st century.

These modules are related to Master courses and give the students transversal skills thanks to solid training and international collaborations. Students who participate in a thematic program can benefit from:

- A state-of-the-art curriculum through and for research in the 1st and 2nd years of Master;
 - A 2-year-scholarship (equivalent to €16,000) for students with a non-French high school diploma;
 - Mobility grants for an internship abroad;
 - French language courses.
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Presentation of **SUMMIT** thematic program

What is SUMMIT?

The thematic program SUMMIT gathers 8 research labs and 8 Master's Degrees or Engineering School programs in the field of electronics, microelectronics, materials & microsystems linked to a sustainability approach, to set up an innovative research-driven curriculum. Our program covers a wide spectrum of microelectronic & microsystems.

A first professional experience in research

SUMMIT provides students with the opportunity to be immersed in a highly demanding scientific environment where the innovation of the future is in gestation. It also gives students a first professional experience. From the beginning of their Master's degree or Engineering School, students become members of a laboratory or research institute, take a whole part to the life of the lab according to their time of presence and have access to high-tech facilities after being appropriately trained.

International positioning

- International recruitment forum at the Bachelor's level,
- All SUMMIT specific courses taught in English,
- Double-degree programs.

Training through and for research

The training through research covers all aspects of leading a project. In the spring semester of the 1st year, students are trained to write and defend a research work carried out in a laboratory. They devote themselves to this activity; poster sessions are planned jointly to workshops gathering researchers and Ph.D. students.

SUMMIT's detailed program

In parallel to the compulsory courses of their respective Master's degree or Engineering School, students undertake their research projects related to sustainability in microelectronics & microsystems. They validate the SUMMIT thematic program modules:

- Specific courses on SUMMIT topics: 24h – 2 ECTS (1st year – 1st and 2nd semester)
- Labwork: 4 ECTS (1st year – 1st &/or 2nd semester)
- Hackathon: 3 ECTS (2nd year – 1st semester)
- Technological project: 10 ECTS (2nd year – 2nd semester)

During 2nd year, a 6-month internship in partner laboratories on a topic linked to sustainability is carried out. After that, students can pursue a Ph.D. in the UGA Doctoral School of EEATS, or they can choose to leave the Graduate School after obtaining their Master's degree or Engineering diploma.

Master programs that offer **SUMMIT**

Students should first be enrolled in one of the Master's degree or Engineering School programs listed below:

Master's degree / Engineering Course	University department or School	Language
M1 Electrical Engineering and Control Systems (EECS)	PhITEM	English
M2 WICS (Wireless Integrated Components & Systems)	UFR Phitem / Grenoble INP - Phelma, UGA	English
M1 & M2 MISTRE (Microelectronic, integration of embedded and Real time Systems)	UFR Phitem	French
4A & 5A Embedded systems Engineering (EIS)	Grenoble INP - Esisar	French
4A & 5A Materials Engineering	Polytech Grenoble - INP, UGA	French
4A & 5A IESE (Electronic & Computer Science for embedded Systems Engineering)		
2A & 3A Nanotech Engineering	Grenoble INP - Phelma, UGA	English
2A & 3A SEOC (Embedded Systems and connected devices) Engineering	Grenoble INP - Phelma, UGA	French
2A & 3A SEI (Integrated Electronic Systems) Engineering		

How to apply?

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

Apply for the master of your choice among those participating in the SUMMIT 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 the GS@UGA website : www.univ-grenoble-alpes.fr/research/graduate-school/
Then, contact the SUMMIT 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 by email in case of acceptance or refusal of your application to the thematic program.

CONTACT

SKANDAR BASROUR, SUMMIT coordinator
skandar.basrou@univ-grenoble-alpes.fr

MAXIME BESACIER, SUMMIT coordinator
maxime.besacier@cea.fr

graduate-school-uga@univ-grenoble-alpes.fr

Scholarships

Graduate School@UGA provides scholarships based on the academic excellence of students enrolled in one of the 16 thematic programs.

The scholarship amount is 13,000 € (8,000 € for the 1st year of the Master’s degree and 5,000 € 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.

You will be notified before the start of the academic year (between March and June).

FOR MORE INFORMATION

www.univ-grenoble-alpes.fr/summit-thematic-program



SCAN FOR MORE INFORMATION



Partner research structures and laboratories

