THEMATIC PROGRAM GRADUATE SCHOOL@UGA

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

FuturProd

The transition to sustainable industrial production systems

Behavioral
Materials
Science Bio-sourced
Engineering
New Organisations
Economics
Industrial

Université Grenoble Alpes

Presentation of **FuturProd** thematic program

What is FuturProd ?

FuturProd is an innovative research-driven curriculum that strives to be a leader in the development of sustainable organizations and technologies for the industry of the future in order to innovate production and consumption trends. This program trains talents in Industrial and Mechanical Engineering, Material Sciences and Economics for their contribution to the design of sustainable production systems with an open-minded multidisciplinary approach.

A first professional experience in research

FuturProd provides students with a first professional experience in research in a top-level scientific environment. They have been immersed in research laboratories for the 2 years, coupling high-level research topics and industrial issues. Students undertake their research project on a topic linked to sustainable production systems in one of the partner laboratories, possibly connecting to industry.

The FuturProd programme is compatible with an alternance study plan in year 2. It is also possible with a double-degree within an international university partner.

FuturProd's detailed program

In parallel to the compulsory courses of their respective master's degree or engineering school, students must validate the FuturProd thematic modules:

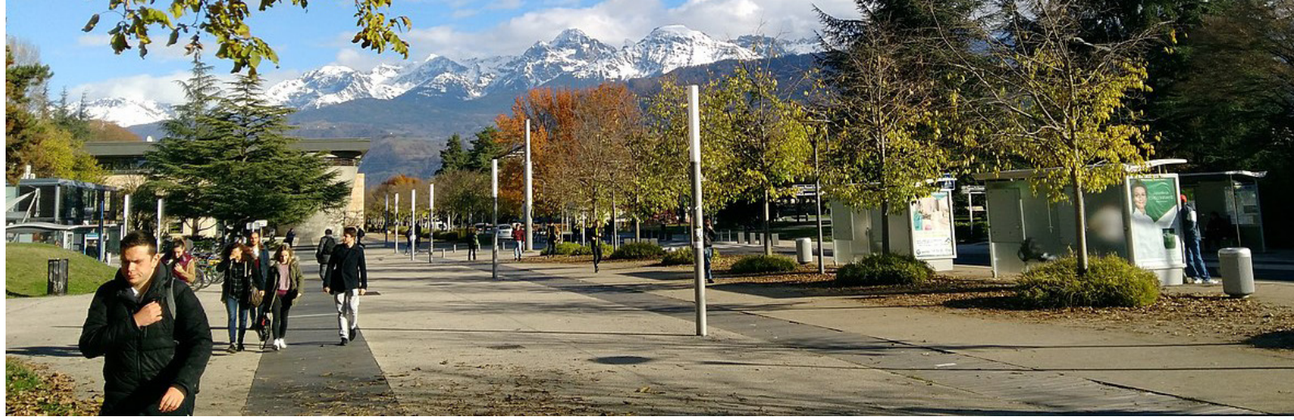
- **Multidisciplinary course 1 (Year 1, Semester 1, 3 ECTS): Challenges of the European production transition.** The course shares the vision of the main issues for the transition to sustainable production from the manufacturing, material and economical points of view.

- **Multidisciplinary course 2 (Year 1, Semester 2, 3 ECTS): AI methods for research in production.** Data-based techniques are new methods of great interest in research. The course helps discover the methods and their applications in research in industrial engineering, material sciences and economics.

- **Open-mind specialized course 3 (Year 2, Semester 3, 3 ECTS): Specific course on industrial engineering, material or economics and their integration in production.** This course offer can change every year depending on the most recent research results and the invited professors.

- **Summer school (Year 2, Semester 4, included in the Final Project Assessment): Multidisciplinary training and research**. At the end of the training, the summer schools' group together M1 and M2 master students and PhD candidates so they can share experiences on research and training practices in a multidisciplinary environment.

- **Final project (Year 2, Semester 4, 30 ECTS)**: a 6-month research-oriented internship.



Master programs that offer **FuturProd**

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

Master's degree / Engineering Curriculum	**University department or School**	**Language**
Sustainable Industrial Engineering	Grenoble INP - Génie industriel, UGA	English
Génie mécanique	UGA UFR PhITEM	French
Business and Data Analyst	UGA Faculty of Economics	French
Human Resources, Organization and Change Management (RHO2C)	UGA Faculty of Economics	French
Science et Génie des Matériaux	Grenoble INP - Phelma, UGA	English
Bio2 : Biorefinery & biomaterials	Grenoble INP - Pagora, UGA	English

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.

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 FuturProd – 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 FuturProd 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 candidature to the thematic program.

Partner research structures and laboratories

G-SCOP
GAEL Laboratoire d'Économie Appliquée de Grenoble
LMGP
CREg Centre de Recherche en Économie de Grenoble
SIMaP
lgp2
cnrs
INRAE

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Scholarships

Graduate School@UGA provides scholarships based on the academic excellence of international students (not hold a french baccalaureate) enrolled in one of the 15 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/futurprod-thematic-program

CONTACT

DANIEL BRISSAUD, FuturProd coordinator
daniel.brissaud@grenoble-inp.fr
graduate-school-uga@univ-grenoble-alpes.fr

UGA Université Grenoble Alpes
GRENOBLE INP UGA
FRANCE 2030
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