



Study in Grenoble INP - UGA

grenoble-inp.fr/en



GRENOBLE INP - UGA
GRADUATE SCHOOLS OF
ENGINEERING & MANAGEMENT

Grenoble INP, Graduate schools of Engineering and Management, Université Grenoble Alpes includes 8 engineering and management schools, 2 engineering preparatory cycles and a professional training department.

Grenoble INP - UGA is a division of Université Grenoble Alpes (UGA).

*Rooted in its territory, multidisciplinary and open to the world, UGA brings together all the strengths of public higher education in Grenoble and Valence. The institution counts **59,500 students**, including **10,000 international students**, **3,000 PhD students**, and **7,500 staff**.*



Facing the challenges of our society

By joining Grenoble INP - UGA, you will benefit from courses of study geared towards the major challenges our society is facing. These programs are based on research conducted in **39 laboratories and 21 technological platforms and fablabs**.

Grenoble INP - UGA develops close links with companies, enabling it to anticipate their skills needs. Indeed, many international companies are based in Grenoble such as Alstom, STMicroelectronics, Schneider Electric, Xerox, Thales, Hewlett-Packard etc.

A major player in the innovation network

Located in the capital of the Alps for **125 years**, Grenoble INP - UGA is a founding member of the Grenoble Ecosystem, which has developed around three core pillars: education, research and transfer.

The ecosystem includes **internationally recognized platforms and centers** such as Minatec (leading European center for innovation in micro and nanotechnology), competitiveness clusters like Minalogic and Tenerrdis, as well as Carnot institutions ("Energies du futur", "Logiciels et systèmes intelligents" and "PolyNat").

A network of 40,000 alumni

Right off the bat, Grenoble INP - UGA students join our alumni association for engineers and doctoral graduates.

As a result, they start **building a network** early on and these ties support them throughout their studies, job search and career, whether in France or abroad.

Rankings & Key Figures

8,300 students
30 % foreign Students
91 nationalities
1160 master's Graduates per year
370 partnerships in 70 countries

QS by subjects 2023

Top 10 France in the field of Engineering and Technology

Engineering - Electrical & Electronic
Computer Science & Information Systems
Mechanical, Aeronautical & Manufacturing Engineering

Top 10 France in the field Natural Sciences

Materials Sciences
Physics & Astronomy
Environmental Sciences

Shanghai Rankings

UGA ranking including Grenoble INP - UGA

Global Ranking 2023 : World #150

Global Ranking of Academic Subjects 2022:

World Top 20:

Remote Sensing (France #2)

World Top 50:

Metallurgical Engineering (France #2)
Physics (France #5)

World Top 75 :

Water Ressources (France #2)

World Top 100:

Computer Science & Engineering (France #2)
Automation & Control (France #2)

Research

By creating the technology of the future, our laboratories are working to solve the major challenges of the 21st century in four key fields: digital, industry, energy and environment.

As the national leader in terms of scientific publications, Grenoble INP - UGA is one of the top 5 institutions for researchers and patents (Industry & Technology, 2018) and first in France on the list of Reuters 100 most innovative universities in Europe (2018).

800 PhD STUDENTS

39 LABORATORIES

8 INTERNATIONAL LABORATORIES

2,500 SCIENTIFIC PUBLICATIONS/YEAR

67 START-UPS CREATED FROM RESEARCH

410 PATENTS AND SOFTWARE FAMILIES

21 CUTTING EDGE TECHNOLOGICAL PLATFORMS FOR RESEARCH, EDUCATION & COMPANIES

Our international networks and programs



Cluster Network



RESCIF

Réseau d'excellence
des sciences de l'ingénieur
de la Francophonie

RESCIF: Network of Excellence in Engineering Sciences of the French-speaking Community



Programme de Formation d'Ingénieurs d'Excellence au Vietnam
Chương Trình Đào Tạo Kỹ Sư Chất Lượng Cao Tại Việt Nam

PFIEV (The Excellence in Engineering Training Program in Vietnam)



Magalhaes Network

CESAER

CESAER: European network of science and technology universities



SEEEP (Sino-European Engineering Education Platform)



Erasmus+

The Erasmus+ programmes fund student / staff mobility and cooperation programmes.

**horizon
europe**

Horizon Europe is the European Union's framework program for Research and Innovation for the period 2021-2027.



European Institute of
Innovation & Technology

The EIT is a body of the European Union

The EIT is a European organization created in 2008 to strengthen Europe's capacity for innovation.

Becoming a European student



unite!

University Network for Innovation,
Technology and Engineering

Grenoble INP – UGA is one of the nine partners forming the European university Unite!

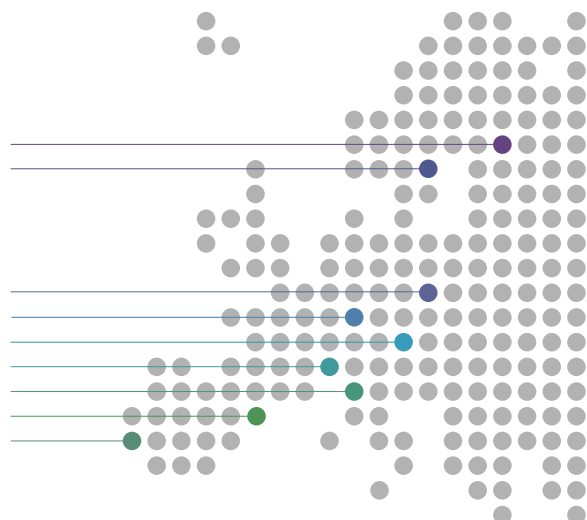
When a student enrolls at Grenoble INP – UGA, he or she automatically becomes a Unite! student.

Unite! gives the opportunity to all students to study in a European and intercultural context, thanks to simplified mobilities and innovative learning methods. Being a Unite! student means being able to add value to one's academic career by carrying out a mobility in one (or several) of the nine partner universities.

More info: www.grenoble-inp.fr/en-unite

Aalto University, Espoo/Helsinki
KTH Royal Institute of Technology, Stockholm

Wrocław Tech
Technical University of Darmstadt
Graz University of Technology
Grenoble INP-UGA
Politecnico di Torino
Universitat Politècnica de Catalunya · BarcelonaTech
Universidade de Lisboa





GRADUATE SCHOOL OF ENGINEERING IN ENERGY, WATER AND ENVIRONMENTAL SCIENCES

Grenoble INP – Ense³, UGA trains high-level engineers, reputed for their scientific and technical skills as well as their knowledge of ecosystems, society, environmental and climate issues. Our school combines expertise in the domains of electrical, mechanical, hydraulic, civil and environmental engineering to be able to handle the full energy chain (production, distribution, usages, trading) as well as the full water cycle (harnessing, storage, supply, treatment).



Why study at Grenoble INP - Ense3, UGA?

- / A particular and personalized attention is given to the welcoming and support of our international students, before and during their stay.
- / The school has developed committed programs and offers creativity seminars, engineering projects and conferences on societal and environmental issues.
- / It values extra-curricular involvement from students and offers the possibility of a range of experiences all throughout their degree.
- / Students can also progressively acquire experience in the professional world, by completing a number of internships and participating in projects offered by partner companies or labs.
- / Emphasis is placed on multidisciplinary, with a wide range of optional classes offered to students. Many methods are used to make students active in their own learning.

Who can apply?

- Exchange student
- Double Degree Student
- International Master's Student
- Regular Student
- Intern

What subjects can you study?

- Automatic control and Intelligent Systems,
- Product Design,
- Energy systems and associated markets,
- Signal & Image Processing, Hydraulics,
- Civil & Environmental Engineering,
- Electrical Power Engineering,
- Nuclear Energy Engineering, Mechanical & Energy Engineering

Career Opportunities

- R&D, Test, Consulting, Business
- Production and operations,
- Network operations, Utilities,
- Technical project, Hydraulic, Robotics
- Product Design, Electrical Power,
- Control and Automation,
- Renewable Energy projects...

Key figures

25% International Students

53 Nationalities

4 Full English Masters

66% Students involved in organizations

Research at Grenoble INP - Ense3, UGA?

Our research fellows work in one of 11 research laboratories. These laboratories are involved in training our engineers, by proposing research projects, internships, research based-programs or Ph.D. thesis topics. 10% of our Engineering graduates go on to study for a PhD.

Contact us

international.ense3@grenoble-inp.fr



GRADUATE SCHOOL OF ENGINEERING IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Founded in 1960 by mathematician Jean Kuntzmann, Grenoble INP - Ensimag, UGA was the first school to specialize in computer science and applied mathematics in France. Ranked as one of the best French generalist schools for digital technology, its renown stretches far beyond its home borders. Grenoble INP - Ensimag, UGA is at the heart of the digital revolution. Combining the study of applied mathematics and computer science, Grenoble INP - Ensimag, UGA trains talented engineers capable of contributing to technological developments, and creating and adapting to new innovations throughout their careers.



Why study at Grenoble INP - Ensimag, UGA?

- / Become a top-notch expert in computer science and applied mathematics, and receive a degree from a renowned school.
- / Live in the French Silicon Valley in a high-density area of academic programs, research laboratories and high-tech companies, such as STMicroelectronics, Cap Gemini, Naver Labs, Criteo, etc.
- / Discover the French culture and learn French in a spectacular natural environment surrounded by three high-mountain ranges.

Who can apply?

Regular student in our engineering or Master's programs
Exchange student
Double-degree student

What subjects can you study?

Financial Engineering
Information Systems Engineering
Internet of Things, Cybersecurity
Mathematical Modeling, Vision
Graphics and Simulation
Artificial Intelligence, Data Science

Career Opportunities

Many fields of activity like : Energy, Communications, Finance, Embedded Systems and Security.

Digital engineering makes it possible to design reliable, efficient tools for companies, and to swiftly respond to market needs.

Key figures

1200 Students

38% of foreign students

5 International Master's Programme fully taught in English

150 Cooperation Agreements, among those 28 double-degrees

Research at Grenoble INP - Ensimag, UGA?

Grenoble is the first high tech city in France after Paris, home of 18,000 jobs in Information Technology, and host of the Multidisciplinary Institute in Artificial Intelligence (MIAI Grenoble Alpes). Partnered with the CNRS or Inria, the laboratories of Université Grenoble Alpes form France's top research hub for computer science and applied mathematics, with 800 faculty members.

Contact us

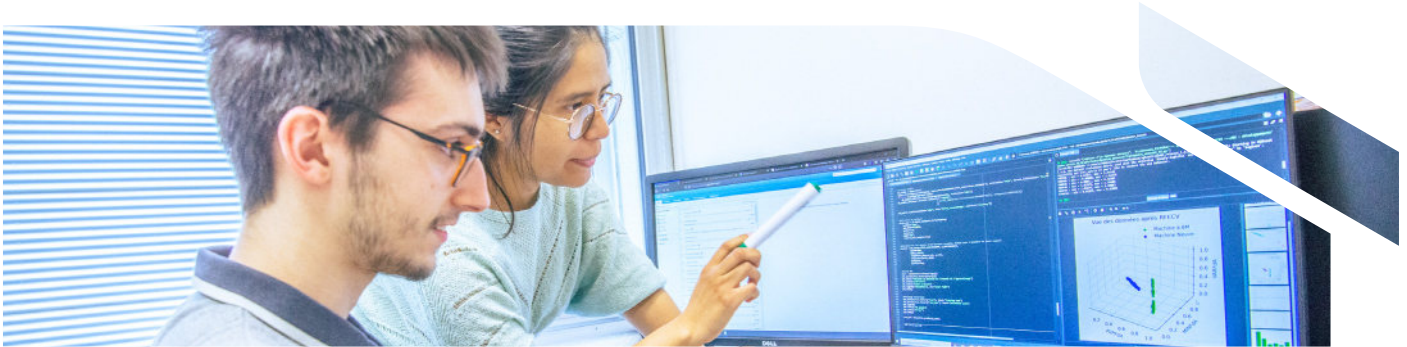
Regular students for Engineering programs: admission-inge@ensimag.fr
Exchange and double-degree students: international@ensimag.fr

Master's students: masters-admission@ensimag.fr



GRADUATE SCHOOL OF ENGINEERING IN ADVANCED SYSTEMS AND NETWORKS

Located in the Valence UGA campus, Grenoble INP - Esisar, UGA trains high-level engineers in Embedded Systems, Information Technology and Networks, with a cutting-edge curriculum spanning Electronics Engineering, Automatic Control, Computer Science, Security and Networks. Our school has developed a high-quality curriculum in connection with research activities conducted by the LCIS laboratory and the needs of companies.



Why study at Grenoble INP - Esisar, UGA?

- / Part of Grenoble Alpes University, Grenoble INP - Esisar, UGA is located in Valence, a campus on a human scale gathering around 6000 students.
- / Our students benefit from proximity with both the academic and administrative staff.
- / Grenoble INP - Esisar, UGA has strong links to industrial companies and research laboratories, offering thus many internships, jobs and PhD positions opportunities.
- / The city of Valence is located in a touristic region known for its pleasant weather and history. It is only one hour drive away from Grenoble, Lyon or Marseille, and 2 hours from Paris by train.

Who can apply?

Regular students (French-speaking)
Exchange students
Double degree students
Master's students

What subjects can you study?

Information technology,
Security, Computer Science, Control Systems,
Communication Networks,
Computer Engineering,
Cyber-physical systems, Embedded Systems, Electrical engineering, RF and Microwave Engineering

Career Opportunities

All fields of activity, e.g.:
Information technology,
Internet of Things,
Cybersecurity, Robotics
Aeronautics,
Intelligent building,
E-health, etc.

Key figures

500 Students

15% of foreign students

13 months of projects and internships in connection with companies during the engineering cycle

Research at Grenoble INP - Esisar, UGA?

Teaching activities include lectures, tutorials and labs, and several projects integrating the academic sessions into industrial case studies. Grenoble INP - Esisar, UGA students benefit also from the Esynov technology platform and well equipped with state-of-the-art facilities available in the LCIS laboratory.

Contact us

relations.internationales@esisar.grenoble-inp.fr



GRADUATE SCHOOL OF INDUSTRIAL ENGINEERING AND MANAGEMENT

Grenoble INP - Génie industriel, UGA trains industrial performance engineers able to manage the entire industrial cycle: from the idea to the design of the product, to industrialization, its distribution and its recycling. Providing a cutting-edge knowledge on industrial organization, sustainable innovation, modeling optimization and simulation of production systems, the school relies on interdisciplinarity by granting, alongside the engineering sciences, a special place to human and social sciences (economics, sociology, management) in its training cycle.



Why study at Grenoble INP - Génie Industriel, UGA?

- / Academic programs preparing sustainable innovation players and responsible executives open to the world, for all industrial engineering professions: product design, industrialization, production and supply chain
- / A network of 240 partner companies involved in internships and recruitment
- / Technology platforms to simulate and experiment and numerous student projects
- / International programs taught in English
- / Active international networks: Unite!, EIT Manufacturing, AIM, ESTIEM...
- / Rich associative life: festive, sports, social engagement, and cultural events, music

Who can apply?

Regular students (French-speaking)
Exchange students
Double degree students
Master's students

What subjects can you study?

Sustainable Industrial Engineering
Supply Chain Management
Product Development

Career Opportunities

Lines of business: luxury, automotive & aeronautics, food, energy, logistics and transportation, consulting

Key figures

620 Students

30% of foreign students

7 technology platforms and FabLab

Research at Grenoble INP - Génie Industriel, UGA?

Most of our professors are also researchers in 5 different laboratories. G-SCOP research centre our main partner laboratory, is dedicated to production systems with 150 researchers and is focused on product design, manufacturing and supply chain.

Contact us

genie-industriel.international@grenoble-inp.fr



GRADUATE SCHOOL OF ENGINEERING IN PAPER, PRINT MEDIA AND BIOMATERIALS

Grenoble INP - Pagora, UGA is a Graduate School of Engineering dedicated to fibers, paper, printed communication and biomaterials. The school offers programs for graduate engineers or apprenticeship students and masters students. It supports the transformation of various industries and contributes to build a sustainable society based on recyclable bio-sourced materials equipped with smart functions.



Why study at Grenoble INP - Pagora, UGA?

- / To support the transformation of various industries: fibers, paper, print media, packaging and biobased materials to draw the path to a sustainable world
- / To be enrolled in a diversified teaching environment with strong ties with innovative business sectors and industries (numerous jobs offers and various international partnerships)
- / To join a school on a human scale for fruitful interaction, rapid integration of new starters and a friendly atmosphere

Who can apply?

Graduate Engineering program: Students with at least 2 years of higher education in the fields of chemistry, materials and processes

Master degree: Students with at least 4 years of higher education in science/chemistry with an interest in sustainable development, biochemistry and biomaterials

What subjects can you study?

Printed communication and cross-media
 Packaging and functionalization of products with printed electronics
 Biosourced or biocomposites materials, paper and cardboards
 Biopolymers and biorefinery processes

Career Opportunities

Manufacturing manager
 R&D engineer
 Process engineer
 Quality, safety and environment manager
 Technical director

Key figures

Semester programs and master's degree programs offered in English

87% of graduates find a job 6 months after graduation

25 days on average to find a job after graduation

40% Female students

Research at Grenoble INP - Pagora, UGA?

The school is combined with the Laboratory of Process Engineering for Biorefinery, Bio-based Materials and Functional Printing (LGP2), Grenoble INP's internationally-renowned laboratory, which works in close conjunction with many prestigious organizations. It is carrying out research on nanocellulose, valorization of plant biomass as well as on printing processes for the functionalization of surfaces.

Contact us

<http://pagora.international@grenoble-inp.fr>

http://instagram.com/grenoble_inp_pagora/

<http://facebook.com/GrenobleINP.Pagora>



GRADUATE SCHOOL OF ENGINEERING IN PHYSICS, ELECTRONICS, MATERIALS SCIENCES

As a French engineering school, Grenoble INP - Phelma, UGA's ambition is to become a reference in the field of applied physics, materials, biotechnologies, biomedical engineering, electrochemistry, processes, nanoscience, electronics and information processing. All fields are covered from new nuclear power plants to new generation chips, from micro energy sources to laboratories on chips, from broad band communication technologies to the most advanced generations of communicating objects.



Why study at Grenoble INP - Phelma, UGA?

- / A wide range of academic programs and research in engineering (engineering and master degrees)
- / Scientific & technical diversity focused on tomorrow's challenges
- / International programs 100% in English : Nanotech, FAME+, AMIS, EMINE, MaNuEn, Biomedical engineering
- / Practical work, technology platforms and student projects : Lab sessions make up 30% of the training
- / Rich associative life : festive events, sports, culture, social engagement, music, alumni, robotics, ... more than a dozen student associations

Who can apply?

- Regular students (French-speaking)
- Exchange students
- Double degree students
- Master's students

What subjects can you study?

- Microelectronics & Nanotechnologies
- Carbon free energy
- Innovative Materials
- Information Technology
- Biomedical Engineering
- Environment

Career Opportunities

Lines of Business : R&D, energy microelectronics, consulting company, telecommunications, transport, IT

On average 25% of engineering students go on to do a doctorate.

Key figures

1400 Students

380 Engineering diplomas awarded each year

380 Contributors from Industry and Research

Research at Grenoble INP - Phelma, UGA?

11 laboratories from which the 110 Phelma lecturers and researchers come from numerous research paths within the engineering curriculum.

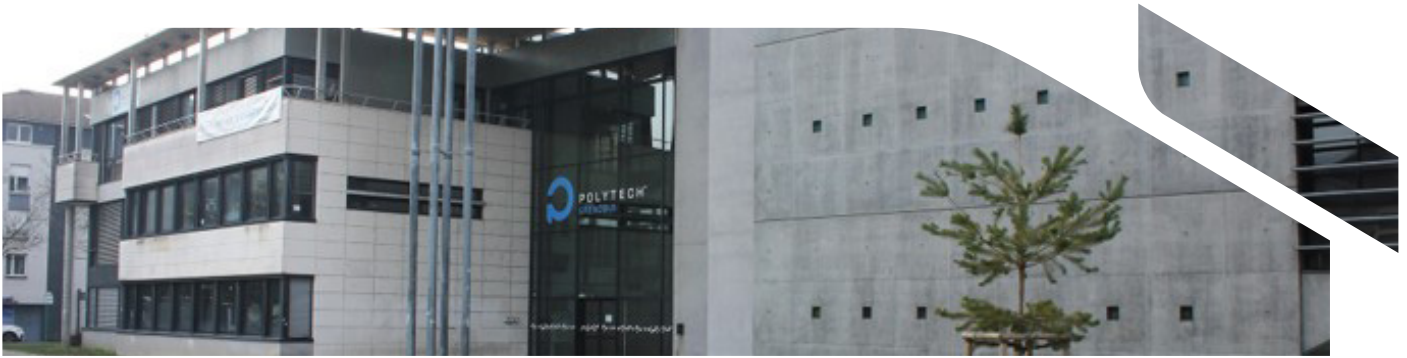
Contact us

<http://ecole-ingenieur-phelma.com/?lang=en>



POLYTECHNIC ENGINEERING SCHOOL OF UNIVERSITÉ GRENOBLE ALPES

Polytech Grenoble - INP, UGA is a public engineering school that awards 6 degrees and has a very strong link with research and industry.



Why study at Polytech Grenoble - INP, UGA?

- / Polytech Grenoble - INP, UGA is strongly rooted in the Auvergne-Rhône-Alpes region. A region rich in companies operating in many scientific sectors (energy, electronics, transport, etc.)
- / The school's teacher-researchers work in conjunction with major research organizations (CEA, CNRS, INRIA, etc.).
- / The training is based on numerous projects and experimental work that allow students to acquire a strong expertise and also skills in management and project management.
- / Polytech Grenoble has a very rich community life, which allows everyone to integrate well.

Who can apply?

We recruit students with a strong scientific level just after the French Baccalaureat.
The competitive recruitment process is conducted thru the «Reseau Polytech» together with 14 other «Polytech» Schools, giving a wide variety of possible engineering specialties in France.

What subjects can you study?

Geotechnics and Civil Engineering
Computer Science
Electronics of Embedded Systems
Materials science
Risk Management
Information Technology for Health

Career Opportunities

Internships, work-study programs and a very active alumni network of more than 90000 engineers in activity offer students many ways to enter the job market quickly, in very qualitative/ attractive positions.

Key figures

1149 Students

6421 graduates since 1985

31% Female students

Research at Polytech Grenoble - INP, UGA?

Polytech Grenoble - INP, UGA trains engineers to be actors in the technological revolutions.
The research activity at Polytech Grenoble involves 21 different laboratories in a wide variety of fields to match the polytechnic character of the school.
It ranges from fundamental sciences in physics, geosciences and applied mathematics, to materials and electrical engineering, microelectronics, mechanics, computer science and social sciences.

Contact us

polytech.relint@univ-grenoble-alpes.fr



VISIT OUR WEBSITE

GRENOBLE IAE - INP, GRADUATE SCHOOL OF MANAGEMENT

Grenoble IAE - INP, UGA's mission is to train and develop both specialized managers and double competence managers. It draws from hands-on practical expertise and world-class management researchers. Our approach is based on continuous applied research, coupled with a relentless desire to link with the business world. At the heart of a world-renowned ecosystem, IAE's vision is to be a leader in innovation and a standard-bearer of progress in management.



Why study at Grenoble IAE - INP, UGA?

- / Grenoble IAE - INP, UGA aligns its programs with the needs of businesses, placing special emphasis on applied learning.
- / Thanks to its business connections, its large pool of affiliated professors, and its alumni network, Grenoble IAE - INP, UGA maintains ongoing relations with leading businesses through research groups, improvement committees, university-business chairs, industry workshops (for example, on negotiation, entrepreneurship, or purchasing), internship forums, and conferences.
- / At the same time you will have access to the many services of a large public university on an exceptional campus!

Who can apply?

We are open to 2nd year Bachelor's degree students as well as 1st & 2nd year Master's students (including 2 Bachelors & 4 specialized Masters programs taught in English).

What subjects can you study?

International Business
Applied Corporate Management
Finance & Accounting
Marketing & Information Systems
Management

Career Opportunities

Graduates go on to hold a range of managerial positions in France and abroad in an international context.

Key figures

92% employment rate within 8 months of graduating

350 business professional guest lecturers

50 international partners

Research at Grenoble IAE - INP, UGA?

With 92 researchers and 61 doctoral students, the CERAG is a leading research laboratory in management sciences in France. The CERAG's research teams cover the whole range of management sciences and are structured around three main themes that of Anticipation and Risk Management; Responsible Behavior and Societal Issues; Innovation and Organizational Complexity.

Contact us

relations-internationale@grenoble-iae.fr

A personalized welcome

At Grenoble INP - UGA, welcoming international students is a priority. To this end, we offer them a personalized welcome as well as ongoing assistance throughout their stay.

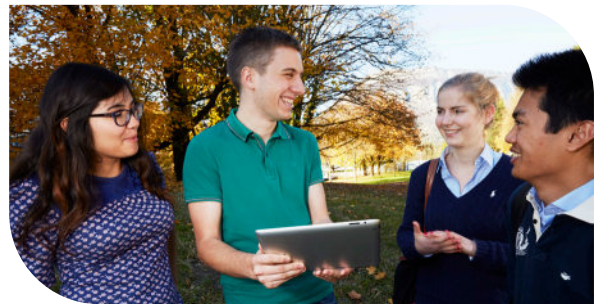
The **International Student Board** of Grenoble INP - UGA takes care of personalized welcome, integration and follow-up of international students. At their arrival in Grenoble, students will be welcomed by the members of the association who can pick them up at the train station and accompany them to their university residence if they need it. The International Student Board can also provide assistance for administrative procedures (opening of a bank account, insurance, etc...). Finally, the association offers an annual integration week as well as events throughout the year.
Contact : students.bi@grenoble-inp.fr

In Grenoble and Valence, the **International Students & Scholars Office (ISSO)** of Université Grenoble Alpes is entirely dedicated to international students, doctoral students, researchers and their accompanying family.

The ISSO teams can help and inform students or researchers throughout the whole duration of their study or research stay, and with all the settling in procedures and everyday life practical matters: accommodation, visa validation, residence permit applications, health, budget, insurances, daily life, etc. *All information about ISSO services are on : <https://international.univ-grenoble-alpes.fr/english/>*

Thanks to **Buddy System**, Grenoble INP - UGA may get you in contact with a local student to guide you all along your campus life in France.
Information & registration: <https://buddysystem.eu/en/>

You also have the possibility to be sponsored by an institutional, economic or cultural actor within the framework of the **Jeunes Ambassadeurs programme**. *Information and application: <https://www.jeunes-ambassadeurs.com/>*



Student Life

Grenoble INP - UGA invests in facilities for student cultural, athletic, and volunteer activities.

The **Maison de Grenoble INP** is the hub of student volunteer organizations on campus, and the perfect place for students to hang out.

The **ESCAPE** association and cultural sports space for students is a 700 m2 student drop-in center. It offers both indoor and outdoor facilities, and regularly hosts students events.

The **EVE Student Life Space** is an association café, performance hall, initiative incubator, and premises for associations. This space dedicated to students is an excellent place for developing projects!

One of the largest student bodies in France, the **Grand Cercle** coordinates student activities at Grenoble INP - UGA.

If you wish to practice sports in Grenoble, the **University Physical and Sports Activities Service (SUAPS)** offers many sports disciplines. *Information & contact: <https://det.grenoble-inp.fr/> or suaps@grenoble-inp.fr*



Welcome to Grenoble and Valence!

The Grenoble campus is at the heart of an **exceptional natural site** at the junction of three valleys that lead respectively to Switzerland, Italy and the Rhone Valley. It is surrounded by three mountain ranges, some of whose peaks exceed 4,000m, and with several **wildlife protection areas**. This environment makes the region a privileged space for the practice of many kinds of sports all year round.

The cultural life on campus and in the city is very rich with **hundreds of cultural events**, theaters and rehearsal studios, art and science workshops, auditoriums, as well as one of the most beautiful collections of modern art in Europe.

With one out of every five inhabitants a student, **Grenoble is ranked as the number one city in France for studies** by the newspaper l'Étudiant. It is a lively city with a diverse cultural offer including museums, concerts, theaters, jazz, music and cultural festivals.

Grenoble INP - UGA is also present on the Valence campus (1 hour from Grenoble). The campus is on a human scale, at the crossroads of the Alps and the Rhône Valley, and has the advantages of a world-class university. For more than 20 years, it has combined its local roots with its international outlook.

How to get there?

Thanks to its geographical location, Grenoble is **easily accessible** because of its **proximity to international airports** such as Lyon Saint Exupéry, Geneva or Grenoble Saint Geoirs.

Distance by train : 3h from Paris, 1h40 from Lyon, 2h30 from Geneva

At the crossroads of the Drome and Ardèche departments, Valence is accessible mainly by train, bus or car.

Distance by train : 2h30 from Paris, 1h10 from Lyon, 1h20 from Grenoble, 3h20 from Geneva

Learn more about Grenoble INP - UGA



@Grenoble INP / @RI_GrenobleINP



@Grenoble INP



www.facebook.com/GrenobleINP



@Grenoble INP



www.linkedin.com/school/institut-polytechnique-de-grenoble/





Grenoble city center ↑

Valence city center ↓





Grenoble INP - UGA
46 avenue Félix Viallet
38031 Grenoble Cedex 1
France

grenoble-inp.fr



GRENOBLE INP - UGA

GRADUATE SCHOOLS OF
ENGINEERING & MANAGEMENT