![UGA Université Grenoble Alpes logo]

Professional bachelor's degree for computer networks and telecommunication

Métiers des réseaux informatiques et télécommunications

Target level
Baccalaureate +3

ECTS
60 credits

Duration
1 year

Component
Institut universitaire de technologie (IUT 1)

Language(s) of instruction
English

Subprograms

> Networks, mobility, security

Presentation

The bachelor's degree is organized according to three training curricula :

- **Initial French** training

- **Initial English** training (WiNS, Wireless Networks and Security) ⬈ Learn more about English language training
Block-release : These courses are treated as three autonomous groups (15 to 20 students). The lessons are organized in the following way (lectures, tutorials, practice assignments, conferences, tutored projects, and practica or experience in company).

- The lectures, which take place at the beginning of the module, are common between the block-release and the initial French-language training. These are sequences (the duration of which corresponds to ~ 15% of the total training time) where there are about 35 to 40 students

- Conferences (1.5 hours to 3 hours on a specific topic from industrial or international partners with limited availability and therefore unable to offer a course) are also shared by the two French-speaking groups, sometimes even by three groups (conferences in English). Speakers can spend three hours in the morning for all French speakers and three in the afternoon for English speakers

- The other pedagogical sequences (tutorials and practice assignments, projects) are organized specifically for each group. For block-release students, the project is carried out in a company

- Lessons from Teaching Unit Disciplines related to science and technology (French communication, English communication, law) are not shared among the 3 groups to meet organizational or language requirements

The trades covered by this training are those of intermediate technical staff in the field of networks and telecommunications. They require general skills to design, install, maintain, secure, and evolve all types of communication networks as well as distributed and collaborative networked communications tools. This course offers a specialization for the deployment and the secure management of networks and wireless networks.

Identifier ROME : IT and office maintenance, IT systems management, IT studies and development, Industrial and logistics management and engineering, Administration of information systems, Consulting and project management in information systems, Studies and development of telecom networks, Expertise and technical support in information systems, Production and operation of information systems

Skills

- Management capacity
- Work independently or in a team
- Conduct project

International education : Internationally-oriented programmes

International dimension

In the international group, we welcome foreign students (approximately a dozen) from : ERASMUS agreements, bilateral agreements (Brazil), 1 to 2 students of the ADIUT MEXPROTEC program, direct applications (1 to 2 per year), from other programs punctually.

Organisation

Universal adjustments

https://iut1.univ-grenoble-alpes.fr/scolarite-candidature/sportifs-artistes-et-handicaps

Abroad intership : In France or abroad

Internship period : April to July

Admission

Access conditions

This training can be accessible on file (and / or interview) to candidates with a diploma of level bac + 2 in the field, a diploma or title approved by the State level III or recognized at the same level, by national regulations, or by validation of acquired knowledge or studies.

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 a formation under the regime formation continues one of the 2 preceding 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)

For more information, consult the website of the Directorate of Continuing Education and Learning ⬀ https://www.univ-grenoble-alpes.fr/fr/grandes-missions/formation/formation-continue-et-alternance/

Candidature / Application

You want to apply and sign up for a master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence.Let us be your guide – simply follow this ⬀ link

Fees

And after

Further studies

Master's degree alternating or alternating engineering school

Sector(s)

This professional can apply for the following jobs: - Network administrator, security manager, information and communication technology manager or webmaster. These businesses currently offer numerous opportunities to network equipment manufacturers, service companies, telecommunications operators, Internet service providers (ISPs), telephony equipment installers, service companies and computer engineering companies, as well as companies, in any sector of activity, managing their own IT resources. In addition, it specializes in the deployment and maintenance of infrastructure and tools intended for collaborative internal use for companies and video broadcasting.

Targeted trades

The graduate can work in the area of computer and telecommunications networks such as operators, integrators, equipment manufacturers or Internet players and all digital service companies. Host companies may also belong to other sectors such as banks, hospitals, large cities and any company or administration that uses their own information and telecommunication system.
- Network architect
- Installer of networks (cables, fibers, routers, PABX, computer configuration ...)
- Network administrator
- Manager of computer systems and networks
- Communication systems managers

- Responsible for collaborative domain applications : shared agenda, surveys, telephony, videoconferencing, video broadcasting

Additional information

English group

Useful info

Contacts

Program director
Alain MORAND
✉ iut1.lp-rims.de@univ-grenoble-alpes.fr

Course location(s) - City

 Grenoble

Campus

 Grenoble - University campus

Know more

Booklet
 https://iut1.univ-grenoble-alpes.fr/formations/computer-networks-telecommunications-specialising-in-computer-networks-mobility-security-232074.kjsp

Program

Networks, mobility, security

Professional bachelor's degree

	Nature	CM	TD	TP	Crédits
UE Science and technology disciplines	Teaching Unit (UE)				8 credits
Communication	SUBJECT				
Law	SUBJECT				
Project management	SUBJECT				
English	SUBJECT				
UE Basic scientific and technical disciplines	Teaching Unit (UE)				12 credits
Networks	SUBJECT				
Databases	SUBJECT				
System administration	SUBJECT				
Digital communications and media	SUBJECT				
Network security	SUBJECT				
UE Scientific disciplines and specialisation techniques	Teaching Unit (UE)				10 credits
VoIP & real-time flow	SUBJECT				
Mobile transmission systems	SUBJECT				
Infrastructure safety	SUBJECT				
Advanced computer networks	SUBJECT				
Wireless networks	SUBJECT				
UE Tutored project	Teaching Unit (UE)				8 credits
UE Practicum or activity in a company	Teaching Unit (UE)				22 credits
Company appreciation	SUBJECT				
Report	SUBJECT				
Defence	SUBJECT				