

Faculty : NETWORKS AND SECURITY



Acronym: RESSEC

Option: NETWORKS AND SECURITY

Level: BTS

Prerequisite: Scientific series or equivalent level

Opportunities:

- Service companies and network equipment manufacturers,
- Telecommunications operators and Internet service providers,
- Companies and administrations managing their information and communication systems themselves,
- Telephone installers,
- IT service and engineering companies (SSII).

Description :

This specialty leads to the training of senior technicians, capable of setting up an internal network in the company which is confronted with a major evolution in communication technologies leading to a change in working methods in the company. There are many technological constraints linked to these upheavals,

the fundamental aspect of security vis-à-vis the Internet world due to the trivialization of mobility and teleworking, securing flows (encryption) but also the need for enhanced authentication of access to company data.

Specific skills:

- Master the telecommunications equipment;
- Configure inverters, power racks, solar panel and cable;
- Master the techniques of emission, transmission and reception of signals, images, sounds;
- Install and configure hardware and software for networks and telecommunications systems,
- Apply quality control;
- Optimize the operation of a network and the usual protocols used;
- Build and administer networks;
- Participate in the development of specifications and contribute to the specifications of the topology of a network or a telecommunications installation, to manage and upgrade such installations by choosing the appropriate equipment and software;
- Coordinate work to restore facilities after incidents; fire

Quality and skills:

- Work independently, collaborate as a team;
- Analyze, synthesize a professional document (French, English);
- Communicate orally, in writing, in business or outside (French, English);
- Participate in / Lead a project management process;
- Know and use the professional and institutional networks of the IT sectors