

# Faculty : NETWORKS TELECOMMUNICATIONS



**Acronym:** TELECO

**Option:** TELECOMMUNICATIONS

**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 trains senior technicians able to ensure the implementation, administration and maintenance of any network or telecommunications equipment. Their skills in the various information transmission technologies as well as their in-depth knowledge of the protocols of the various communication networks allow them to design, in a team, network architectures or complex telecommunications installations and to optimize them.

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**Specific skills:**

- Master the telecommunications equipment;
- Apply the operating procedures;
- 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;
- Apply operating procedures;
- 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;

**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.