



Graduates in Computer Networks and Multimedia Communication possess broad knowledge of information and communication technology rounded out by in-depth mastery of a specialty field such as mobile computing, ambient computing, the Internet of Things, and cloud computing.



Our graduates possess solid general engineering skills

- A capacity to use resources from a broad range of basic sciences
- Knowledge and understanding of a specialty scientific and technical field
- Mastery of engineering tools and methods
- An ability to work within an organization, manage a team, and implement change
- Understanding of broader industrial, financial, and professional issues
- A capacity to work in international settings
- Respect for societal values

Recent graduates have secured positions like:

- R&D engineer
- Design/calculation engineer
- Technical manager
- Systems/network engineer
- Application manager
- Development engineer
- Consultant

Graduates have mastered specific competencies that prepare them to handle real-world professional situations:

| Competency | Situation |
|--|--|
| Managing and overseeing software projects | <ul style="list-style-type: none"> • Drawing up specifications • Setting up support resources • Setting up a collaborative workspace • Managing a team of developers |
| Designing, developing, and integrating software bricks | <ul style="list-style-type: none"> • Determining the target architecture and components • Upgrading and modifying existing systems • Moving an application from one platform to another • Integrating existing systems |
| Automating information processing | <ul style="list-style-type: none"> • Designing applications • Integrating applications into systems • Designing and developing systems |
| Administering IT infrastructure | <ul style="list-style-type: none"> • Implementing an infrastructure • Upgrading a network • Designing distributed solutions |
| Creating smart systems (interactive and complex data processing systems) | <ul style="list-style-type: none"> • Creating a human-machine interface from user needs • Implementing a content management system • Developing or improving multimedia processing modules • Analyzing and extracting information from the internet in a structured manner |
| Practicing continuous innovation | <ul style="list-style-type: none"> • Detecting emerging needs (new markets) • Growing a business (business plan) • Establishing a consulting business • Conducting audits and providing training |

In-company placements

Third year: optional placement

Fourth year: 12 weeks

Fifth year: 22 weeks

Graduation project: for external customers

(companies or research labs)

A selection of companies that have hired graduates in Computer Networks and Multimedia Communication:

ATOS, BULL, CAPGEMINI, EDIFIXIO, ORANGE BUSINESS SERVICES, SOPRA, THALES, VISEO

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