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:

<table>
<thead>
<tr>
<th>Competency</th>
<th>Situation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing and overseeing software projects</td>
<td>• Drawing up specifications • Setting up support resources • Setting up a collaborative workspace • Managing a team of developers</td>
</tr>
<tr>
<td>Designing, developing, and integrating software bricks</td>
<td>• Determining the target architecture and components • Upgrading and modifying existing systems • Moving an application from one platform to another • Integrating existing systems</td>
</tr>
<tr>
<td>Automating information processing</td>
<td>• Designing applications • Integrating applications into systems</td>
</tr>
<tr>
<td>Administering IT infrastructure</td>
<td>• Implementing an infrastructure • Upgrading a network • Designing distributed solutions</td>
</tr>
<tr>
<td>Creating smart systems (interactive and complex data processing systems)</td>
<td>• 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</td>
</tr>
<tr>
<td>Practicing continuous innovation</td>
<td>• Detecting emerging needs (new markets) • Growing a business (business plan) • Establishing a consulting business • Conducting audits and providing training</td>
</tr>
</tbody>
</table>

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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