Computer Science and Electronics for Embedded Systems program graduates in Industrial Instrumentation and IT possess strong skills in industrial electronics, automation, and information systems. They are well-equipped for careers in systems integration, with know-how spanning the design, implementation, and testing of complex electronic and information systems while taking into account the issues of power consumption, secure communications and real-time operation.

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
- Integration & testing engineer
- Design engineer
- Development & production engineer
- Systems engineer
- Product manager

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

<table>
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<tr>
<th>Competency</th>
<th>Situation</th>
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| Selecting an appropriate technical solution that meets technological, human resources, cost, and environmental requirements | • Designing a prototype  
• Upgrading a manufacturing environment |
| Interfacing a set of software and/or hardware components | • Designing component assemblies  
• Ensuring that components can communicate with each other |
| Developing a complete sensor, processing, communication, and switching system | • Maintaining and upgrading systems  
• Creating new applications for a system |
| Demonstrating appropriate organization and interpersonal skills | • Promoting a project  
• Transferring knowledge  
• Adopting multiple points of view depending on the situation  
• Successfully carving out a position within the company |
| Staying ahead of technological advances | • Keeping knowledge up to date  
• Gathering and organizing scientific and technical data |

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 engineering graduates from this program
- ST MICROELECTRONICS, CAPGEMINI, ORANGE BUSINESS, SCHNEIDER ELECTRIC, SOPRA, ALTEM, VIVERIS

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