



**IMT Atlantique**  
Bretagne-Pays de la Loire  
École Mines-Télécom

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## MSc IT/CSNE

### Intakes

M1 or M2

### Tuition fees

MSc Tuition fees

### Campus

Brest

The Master of Science in IT - specialization in **Communication System and Network Engineering** lasts 2 years referred to as M1 and M2. Both M1 and M2 are organized on our Brest campus. This master is accredited by the French Ministry of Higher Education and Research and fully complies with the EHEA system.

### KEYWORDS

Information Technologies / Networking / Wireless Systems / Mobile Systems / Optical Communications / Digital Communications / Computer Science / Data Science / Internet

### LANGUAGE OF TEACHING

The first semester classes are taught in English. Over this period, students acquire sufficient skills in the French language to be able to follow second and subsequent semester lectures together with native speakers. Progressive immersion in the French language and culture, an educational challenge, is one of the special features of the curriculum.

## Environnement

Information technologies have led to the new era of communication which in turn has rapidly changed many aspects of society from individual behaviours to the global economy. Numerous services have become very common such as calling and sending emails from almost everywhere, purchasing online, watching digital TV through ADSL connections or via satellite digital broadcast, travelling using GPS, etc. All these applications necessarily rely on fixed and mobile networks that are based on sophisticated telecommunication systems and complex infrastructures.

## Course aims

This MSc programme is aimed at future experts for the design and/or administration of high-performance telecommunication networks. This requires a wide range of knowledge including wireless, wired and optical transmission systems, digital communications, network architectures and project management of complex systems. Certain aspects of computer Professionals are therefore multi-field engineers rather than narrowly focused specialists.

This Masters program also offers a gateway to PhD studies.

## Competencies acquired

Thanks to IMT Atlantique's expertise in postgraduate education and research, high-level competencies are acquired not only in technical/scientific fields but also in team working, written and oral communication, innovation and project management.

Last but not least, French language is also one of the new competencies beneficial for working in France and other French-speaking countries or for French companies abroad.

## Academic in charge

Dr. Michel MORVAN

## Documents

MSc IT/CSNE

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