



Master of Science - MSc IT Information Technology

Track in Communication System and Network Engineering - CSNE

▲ This MSc program is aimed at future experts for the design and/or administration of high-performance telecommunication networks. It includes a wide range of knowledge such as wireless, wired and optical transmission systems, digital communications, network architectures and project management of complex systems. Certain aspects of computer science and data science are involved as well.

CURRICULUM

M1 - YEAR 1

Brest campus

- > Communication networks basics
- > Mathematical tools
- > Probability, statistics & digital signal processing
- > Introduction to data science
- > Network fundamentals
- > Introduction to optical networks
- > Security and networks metrology
- > Projects & workshops
- > Engineering project
- > French language classes

M2 - YEAR 2

Brest campus

- > Digital communications and photonics
- > Transmission system architecture
- > Wireless communication
- > Network engineering
- > Core and access networks
- > Project
- > Master thesis / internship
- > French language classes

Courses are subject to change without notice

Accreditation from the Ministry of Higher Education, Research and Innovation No. 20171079

Bridging semester taught in English

6-month paid internship in a company or lab

Free application!



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



#Networking #Internet
#WirelessSystems
#MobileSystems #DataScience
#OpticalCommunications
#DigitalCommunications
#ComputerScience

RESEARCH EXPOSURE

The MSc is carried out by IMT Atlantique teaching and research departments. It involves more specifically the following departments : Microwaves, Signal and communications, Optics, Electronics, and Network Systems, Cyber Security and Digital Law.

CAREER OPPORTUNITIES

Telecommunications project leader, Communication system designer, Network architect, R & D engineer, Sales engineer, Consulting expert, Researcher and academic, etc.
Possibility to continue in PhD.



THALES



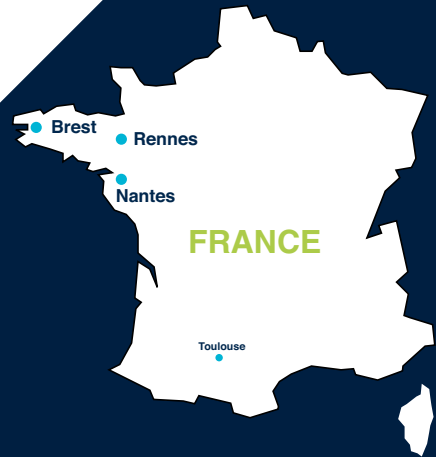
Alcatel-Lucent



ALUMNI TESTIMONY

Pablo NORIEGA (Venezuela)

"Academically, the program was for sure challenging, but with the great help from professors, I was always supported and had someone to provide great teaching and knowledge."



IMT ATLANTIQUE

IMT Atlantique is a "Grande Ecole" ranked among the best French Graduate Engineering Schools, and recognized internationally as a leading Technological University (Shanghai, QS and THE rankings).

It is a member of IMT, the largest group of public Engineering and Management Graduate Schools in France.

TUITION FEES AND SCHOLARSHIPS

5,100 Euros / year

Scholarships opportunities for :

Excellent profiles, Alumni from our partner universities, European citizens, etc.

Find out more:

www.imt-atlantique.fr/IT

Contact us:

it-apply@imt-atlantique.fr

Apply:

<https://it.imt-atlantique.fr>