



DIGITAL TECHNOLOGY

International Master of Science (MSc)

Track CSNE Communication System & Network Engineering

This MSc program equips students with robust expertise in network design and administration. It covers an extensive array of subjects such as wireless and wireline transmission systems, digital communications, mobile and optical networks architectures as well as project management of complex systems and techno-economical aspects of telecom networks. The program also incorporates elements of computer science and data science, with specialized tracks in machine learning and spatial technologies in the third semester.

ACADEMIC DETAILS

2-year full time program

- > February intake – 4 semesters

Comprehensive curriculum

- > Multi-dimension projects
- > Professional & personalised projects
- > Workshops
- > French language & culture
- > Master thesis / internship (last semester)

Internationally recognized degree

- > MSc in Information Technology (IT) accredited by the Ministry of Higher Education and Research. No. 20171079

Associated tracks / programs

- > AEIOT – Architecture & Engineering for the Internet of Things
- > CYSEC - Cybersecurity
- > DS – Data Science

M1 - YEAR 1 - Rennes then Brest campus

- > Basic networks communication
- > Mathematical tools
- > Probability / statistics & signal processing
- > Computer science fundamentals
- > Introduction to data science
- > Digital manufacturing
- > Physical communication channels
- > Digital communications
- > Architecture & eng. of transmission systems
- > Error correction coding for digital communications and storage systems
- > Optical technologies or Receiver for digital communications

M2 - YEAR 2 - Brest campus

- > Electronic design or Physical layer security
- > Mobile networks or Data compression
- > Optical networks and architectures
- > Spatial track or Machine learning track

Courses are subject to change without notice

Bridging semester in English

6-month paid internship in a company or lab

PhD opportunities



« MY EXPERIENCE AT IMT ATLANTIQUE EXCEEDED MY EXPECTATIONS »

“The Brest campus location near the sea and its modern facilities create an excellent study environment. The courses are taught by prestigious professors and recognized researchers. Theoretical studies are well supported by practical works, providing a complete background.”



**Abraham
from Peru**
MSc and PhD Alumnus

CAREER OPPORTUNITIES

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

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.

TUITION FEES AND SCHOLARSHIPS

5,100 Euros / year
Scholarships opportunities for:
Excellent profiles, Alumni from our
partner universities, European
citizens, etc.



> “Bienvenue en France”
label guarantees the quality of the
experience for international students.

IMT ATLANTIQUE

is one of the top 5 institutions in engineering in France.
As a leading Technological University, its education, research
and innovation activities are recognized internationally :
Top 500 in the THE World University Ranking,
Top 100 in QS ranking for computer science, etc.

- > On-campus accommodation, restaurants, sports facilities
- > Orientation Days & French Summer School
- > A variety of student clubs

Find out more:
www.imt-atlantique.fr/it

Contact us:
it-apply@imt-atlantique.fr

Apply:
<https://www.imt-atlantique.fr/apply>

