



DIGITAL TECHNOLOGY

Master of Science (MSc)

Track CYSEC Cybersecurity

In an era where digital threats are evolving at an unprecedented pace, Cybersecurity stands as the bastion protecting our digital lives and hyper-connected societies. This Master offers a comprehensive understanding of the cybersecurity landscape: web, networks, and operating systems security, cryptography, risk management, incident response, and emerging threats. It is aimed at future specialists in cybersecurity, covering a wide range of applications and offering a focus on critical infrastructures.

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 – 1702068Z

Associated tracks / programs

- > AEIOT – Architecture & Eng. for the IoT
- > DS – Data Science
- > CSNE – Communication System and Network Eng.

M1 - YEAR 1 - Rennes campus

- > Basic networks communication
- > Mathematical tools
- > Probability / statistics & signal processing
- > Computer science fundamentals
- > Introduction to data science
- > Digital manufacturing
- > Introduction to cybersecurity
- > Operating systems fundamentals
- > Operating systems security
- > Network security
- > Cybersecurity management & integration

M2 - YEAR 2 - Rennes campus

- > Advanced cryptography
- > Security of IoT & embedded systems
- > Web applications security
- > Cyberdefense
- > Maritime applications
- > Critical infrastructures

Courses are subject to change without notice

100% taught in English

6-month paid internship in a company or lab

Free application



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



#SecureSystems #NetworkSecurity
#Cryptography #CyberDefense #Privacy
#CyberResilience #DataSecurity
#CyberThreats

CAREER OPPORTUNITIES

- > Cybersecurity Architect,
- > Cyber Incident Responder,
- > Threat Intelligence Specialist,
- > Cybersecurity: Auditor, Implementer, Risk Manager, Researcher and Academic, etc.
- > Possibility to continue in PhD.

RESEARCH EXPOSURE

- > The MSc is supported by IMT Atlantique's research department in Network Systems, Cybersecurity and Digital Law.
- > With over 40 papers each year in international conferences, the department actively participates in the evolution of the digital society.
- > The faculty is also strongly involved in research consortia in the fields of "Cybersecurity of Critical Infrastructures" and "Cyberdefence of naval systems".

TUITION FEES AND SCHOLARSHIPS

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



Renzo E. NAVAS,
Associate Professor in
IoT and Network
Security

« YOU CAN CONTRIBUTE TO A SAFER FUTURE »

"Cybercrime will keep rising: our society needs competent people to prevent and mitigate those attacks. In this MSc, you will acquire solid cybersecurity foundations, apply them in various contexts, and have opportunities to specialize in the topics of your choice. You can contribute to a safer future."



- > CampusFrance "Bienvenue en France" guarantees the quality of the experience for international students.

IMT ATLANTIQUE

is one of the top 10 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, restaurant, 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

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