DIGITAL TECHNOLOGY

Master's degree (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
> September intake
> Three semesters of courses and projects
> Master's thesis in final semester

Comprehensive curriculum
> In-depth courses & methodology
> Professional and research projects
> French language & culture
> Professional coaching
> Internship

Internationally recognized degree
> Master's in Information Technology accredited by the Ministry of Higher Education and Research. No. 20171079

DIPLÔME NATIONAL DE MASTER CONTRÔLÉ PAR L'ÉTAT

Associated tracks / programs
> AEIOT – Architecture & Eng. for the IoT
> DS – Data Science
> EMB-AI – Embedded AI

M1 - YEAR 1 - Rennes campus
> Introduction to cybersecurity
> Operating systems fundamentals
> Operating systems security
> Basic networks communication
> Network security
> Pentest
> Forensic/Cybersecurity supervision
> Maritime and critical infrastructure cybersecurity

M2 - YEAR 2 - Rennes campus
> Compilation
> Software security
> Database/Web security
> Wireless security
> Projects

Courses are subject to change without notice

Fully delivered in English

6-month paid internship in a company or lab

PhD Opportunities

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

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

"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."

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

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".

● Brest   ● Rennes
● Nantes

FRANCE

TUITION FEES AND SCHOLARSHIPS

6,500 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 ranked among the top 3 engineering institutions in France. As a leading Technological University, it is internationally recognized for its excellence in education, research, and innovation : Top 400 in the THE World University Ranking, Top 100 in QS ranking for Data Science and AI

> 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

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