THE CYBER
COMMUNITY
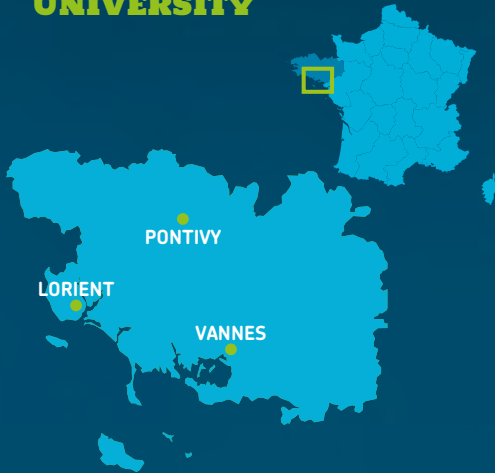
Université
Bretagne Sud

cyber :

OUR DNA

A
- COMMITTED
- AUDACIOUS
- COLLECTIVE
- CIVIC

UNIVERSITY

An enterprising and dedicated university, UBS develops 4 major innovation systems:

► Cyber and data science
► Sea and coastlines
► Industry of the future
► Environment, Health and Disability

These innovation systems can rely on 14 research laboratories and 4 technical platforms. University on a truly human scale and thanks to the engagement of its 1000 staff (including 500 teachers and research professors), nearly 11,000 students are trained each year on the three campuses of Lorient, Vannes and Pontivy.

VIDEO
Cybersecurity, a strategic development for UBS (French version - English subtitles possible with YouTube)

AGILITY

We are a university close to its students, with clear and flexible education paths. For cybersecurity, this is reflected **in our ability to quickly adjust our training offer and research strategy** to the emergence of new application areas and threat changes.

COLLECTIVE WITH A MEANING

We encourage personalized relationships between students and teaching teams. In the cyber domain, this takes the form of a diversity of disciplines and the creation of small teams in project mode as quickly as possible. We advance thus all together towards a shared and common goal.

AN ACTIVE AND INCLUSIVE COMMUNITY

We cultivate a family spirit with a strong sense of belonging to a **lively and vibrant community**, where a special care is given to women inclusiveness. For students, it is also the opportunity to participate in cross-field CTFs (Capture the Flag challenges) and to join cybersecurity guilds.

DIVERSIFIED PARTNERSHIPS

In order to adapt our research strategy and our education offer to a field in perpetual transformation (in its defensive as well as offensive aspects), **we build close collaborations with the business world and numerous state organizations**, in a constant logic of co-training and co-evaluation.

A GLOBAL VISION

Our goal is «Secure by design», with prevention as focus. Cybersecurity issues are inherently transversal and cannot be solved - effectively - by treating the different components separately. Our effort consists thus in building an overall project with cybersecurity as a meta-discipline: including technical but also legal, ethical, geopolitical, communication aspects, etc.

OUR SIGNATURE: CYBERSECURITY WITH PROXIMITY

CONNECTED WITH OUR TERRITORY

We are rooted in our Brittany local area and very close to all the terrain socio-economic players. This allows easier integration within the mesh of networks and **gives additional opportunities for work-study programs and internships**.

A TRAINING CONTINUUM

With almost 1000 students, we offer a wide range of courses – **from baccalaureate up to PhD** – with always the possibility to go a step higher or further. This education offer, largely accessible through apprenticeships, covers a broad spectrum of cybersecurity: «software» (cyberdefense, software security, etc.) and «hardware» (embedded systems, IoT, etc.). Moreover, **all our courses are certified by our National Cybersecurity Agency (ANSSI)** and we are recognized by the EU through our «CYBERUS» Master's degree program. We are also expanding continuing education to enable people already with jobs to increase their skills or to consider a career change.

TRANSDISCIPLINARY RESEARCH

We are naturally transdisciplinary. Digital security must be considered in an integrated and systemic way, as it combines human factors, facilities, connected objects, etc. and our main priorities are **university research through innovation** to achieve top academic performance.

This overall momentum is driven by the combined efforts of several of our laboratories with recognized expertise, ranging from the study of behavioral factors to crypto-processor security.

AN ETHICAL FOUNDATION

The Ethics issue for future technologies is already in itself paramount.

This is also about bringing it to the heart of cybersecurity professions such as solutions designers, team managers, researchers and so on. This guiding line must ensure that **the core technical criteria of IT security, namely availability, integrity and confidentiality**, are effective while respecting fundamental human rights.

VIDEO
Cyber defense and cybersecurity at UBS

Cyber:UBS brings together a large expertise community and committed enthusiasts who share the same vision and reunite through this rich partnership network.

THEY ARE SUPPORTING US

EDUCATIONAL AND RESEARCH PLAYERS

CONTACT

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