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# UNIVERSITY OF CORSICA PASQUALE PAOLI

A university in the heart of the Mediterranean

Strongly involved in the development and innovation of its own territory, the University of Corsica is open to the world thanks to its research and training pathways and 130 partner universities

### THE ISLAND OF CORSICA

1 island in the heart of the Mediterranean
 1 University
 330 000 inhabitants
 360 municipalities
 1 university town: Corte
 2 major citizes Aiacsia Dactio

2 major cities: Ajaccio, Bastia

French and Corsican languages

Area of 8700 km2 (3000+ mi<sup>2</sup>), 1,000 km (600+ m) of coastline 4000 km2 (1500+ mi<sup>2</sup>) of forest and scrubland 120 mountain peaks over 2000 m (6500+ ft)

6 commercial ferry ports 4 international airports

170 km from the French coast, 80 km from mainland Italy, 12 km from Sardinia
By plane: 1h30 from Paris, 2 hours from London, 1h40 from Brussels, 1h30 from Barcelona
4h by ferry from Italy



### UNIVERSITY OF CORSICA PASQUALE PAOLI

- 1765: University founded by Pasquale Paoli, The 'father' of independent Corsica1981: Reopening following a mass public support campaign
- 4700 students **330** international students **150** doctoral students **100** courses **380** teaching staff **730** guest lecturers/ teachers **240** administrative staff 8 training components 8 research projects **6** research components 1 institute of scientific studies **1** university foundation

Several sites in Corsica: Corte, Greater Bastia, Ajaccio, Cargèse



### A multidisciplinary university A European system

UNDERGRADUATE DEGREE: Duration: 3 years // 180 ECTS MASTERS DEGREE Duration: 2 years // 120 ECTS DOCTORATE: Duration: 3 years // 180 ECTS

ECTS: European Credit Transfer System

8 faculties, schools and training institutes

Faculty of Law and Political Sciences Faculty of Literature, Languages, Arts, Humanities and Social Sciences Faculty of Science and Technology University Institute of Health University Institute of Technology School of Engineering Paoli Tech Higher Education School for Teaching and Education INSPÉ School of Management and Economics EME-IAE



And also: a Doctoral School a Language Center an Institute of Judicial Studies Further Education Services a University Apprenticeship Training Center

#### 100 diplomas adapted to the challenges of the territories

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In the following fields: digital, law, entrepreneurship, health, education, literature, languages, art, communication, sustainable tourism, environmental and renewable energy engineering, audiovisual, international trade, civil engineering, economics and business management...

#### Innovative training courses

Engineering School certified by the National Committee "CTI", labelled by Arts & Métiers Partenaires

Diploma in Corsican Language Journalism in partnership with local media outlets

Diploma in Management and Entrepreneurship in partnership with companies

Diploma in Mediterranean vernacular architecture

Double International Degrees in Economics and Engineering

### An ideal working environment in the heart of Corsica

#### Corte, a campus city on a human scale 7000 inhabitants and 4700 students Accessible by train, and 1h30min from Ajaccio and 1hr from Bastia by car Cultural and sporting infrastructures: regional museum, regional center of contemporary art, cinema, swimming pool, sports grounds, hiking trails, including the famous GR20 1h30min from ski resorts and 45min from the beach

Modern university infrastructure

2 campuses 5 lecture theatres 130 classrooms 20 computer rooms 300 wifi terminals on campus 1 library of 4500 m2 (48000+ sq.ft) 1 third place work space (Fab Lab + coworking space) of 850 m2 (9000+ sq.ft°) 1 auditorium with 100 seats 1 sports hall of 2400 m2 (25000+ sq.ft)



### A stimulating and inspiring environment

Social events: Hackathon, Pixel Weekend, Innovation Challenge, JACES (Art and Culture Days), Allegria events (New student integration days)

Workshops, meetings and awards dedicated to research, innovation, digital, creation and entrepreneurship

25 student associations

50 sports clubs and cultural workshops Digital manufacturing, robotics and craft workshops

Every week, a play, a concert or conferences

Organisation



#### 🌐 Inserm



Laboratory of Environmental Sciences Laboratory of Locations, Identities, Spaces & Activities Environmental & Society Research Federation Stella Mare Laboratory Cargèse Institute of Scientific Studies Corsica and the Mediterranean Bioscope Team Mediterranean Team of Legal Research Performance, Sports, Health & Society Team Doctoral School of Environment & Society

#### French and international Partner Organisations







#### Research

CNRS: National Center for Scientific Research Inserm: National Institute of Health and Medical Research INRA: National Institute of Agronomic Research CEA: Alternative Energies and Atomic Energy Commission Ifremer: French Research Institute for Exploitation of the Sea Cirad: Agricultural Research Center for International Development MNHN : Muséum national d'Histoire naturelle

Valorisation & knowledge transfer Inizià technology incubator CapEnergies competitive hub SATT Sud-Est, a Technology Transfer Accelerator Company

### 8 structural projects certified by the CNRS

#### Laboratory of Locations, Identities, Spaces & Activities

TERRITORIES, RESOURCES, PARTICIPANTS Modelling the potentialities and risks of an economic development of an island territory centred on its own resources

IDENTITY & CULTURE: PATRIMONIALISATION PROCESSES Studies of human relationships and their natural and cultural environment in the Mediterranean



#### 8 structural projects certified by the CNRS

#### Laboratory of Environmental Science

#### **RENEWABLE ENERGY**

Optimisation of energy production and storage in hybrid systems using renewable sources of energy

#### FIRE

Studies of vegetation fires - Protection of people, property and the environment Development of firefighting tools and land-use planning

#### COMPUTER SIMULATION AND UBIQUITOUS SYSTEMS Modeling and Simulation of Complex Systems, Artificial Intelligence Implementation of concepts and tools in the context of real-life application with particular territorial challenges

8 structural projects certified by the CNRS

Laboratory of Environmental Science

MEDITERRANEAN WATER MANAGEMENT & VALORISATION Freshwater, marine and coastal conservation, biodiversity, risk management, ecological engineering, sustainable exploitation, fisheries and aquaculture

NATURAL RESOURCES Characterisation and valorisation of Mediterranean natural plant substances Maintaining biodiversity, sustainable development

WAVE FIELDS MATHEMATICS & APPLICATIONS Research in mathematics and fundamental physics

#### 3 others research teams

#### CORSICAN & MEDITERRANEAN BIOSCOPE TEAM THE DYNAMIC OF INFECTIONS ON ISLANDS Research in virology and epidemiogenetics Surveillance and control of dissemination of human epidemics

#### MEDITERRANEAN TEAM OF LEGAL RESEARCH

Main areas of focus: Justice; Heritage and Business Transversal theme: Digital Law, with a Digital Confidence Chair Main objective: development of comparative law research with universities in the Mediterranean basin

#### PERFORMANCE, SPORTS, HEALTH & SOCIETY TEAM

Main areas of focus: High level sports, optimisation of the performance and health of the sports performers; Sports and health around the loss of autonomy

ENVIRONMENTAL & SOCIETY RESEARCH FEDERATION Promote multi-disciplinary collaborations between laboratories

1 research

federation

#### Cargèse Institute of Scientific Studies An international meeting place

Hosting high-level scientific meetings for 60 years 2000 participants from around the world 30 meetings each year A service unit of the University of Corsica, the CNRS and the University Côte d'Azur

### A transfer of knowledge to the local territory through 4 platforms

#### Laboratory of Environmental Science

STELLA MARE PLATFORM MARINE & COASTAL ECOLOGICAL ENGINEERING IN THE MEDITERRANEAN

Research on marine species including the sea urchin, oyster, limpet, dentex and lobster

Validation and management of resources with the goal of sustainable exploitation

Transfer of technologies to marine professionals

Raising awareness among the general public

#### A transfer of knowledge to the local territory through 4 platforms

#### Laboratory of Environmental Science

MYRTE / PAGLIA ORBA PLATFORM MAJOR INSTALLATIONS IN SUPPORT OF SCIENTIFIC RESEARCH IN RENEWABLE ENERGY

Provide innovative solutions to meet the energy needs of islands and non-interconnected zones

Production and storage of electricity from the H2 (dihydrogen) energy vector

Smart grid for energy production and storage & sustainable mobility in island environments

2013

#### A transfer of knowledge to the local territory through 4 platforms

Laboratory of Locations, Identities, Spaces & Activities

Marine de Sant'Ambroggiu - Lumiu

LOCUS: A GEOMATIC PLATFORM A GEOGRAPHIC INFORMATION SYSTEM (GIS)

Map data from the nineteenth century to the present day to analyse changes in occupation and land use in Corsica Tools to aid decision making

Online services :

map library, a research catalogue for data Consultation and query on an interactive map

A transfer of knowledge to the local territory through 4 platforms

Laboratory of Locations, Identities, Spaces & Activities

THE CULTURAL MEDIA CENTER OF CORSICA & THE CORSICAN PEOPLE ONLINE DATA BANK OF OVER 5000 DOCUMENTS ABOUT CORSICA

Digitisation of dictionaries, linguistic atlases, books, films, and photos of traditional practices

Transmission and enhancement of the cultural heritage of Corsica

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Multimedia visualisation and assistance service for the analysis of cultural phenomena

Scientific programs in aid of territorial development, in particular:

AGRIEX (Excellence in Agriculture), promoting the aromatic and medicinal plants of Corsica for new economic opportunities

SMART PAESI, a connected and sustainable village in the heart of the rural world

GRRINPORT, sustainable management of waste and wastewater from Mediterranean ports

MOONFISH, to define a responsible and environmentally friendly fishing policy, in close contact with professionals

Scientific programs in aid of territorial development, in particular:

ACTIVE PRINCIPLES OF BEEHIVE PRODUCTS, to characterise the biological and chemical diversity of Corsican beekeeping and to enrich the range of commercial products

#### **PADDUC-CHANGE:**

to inventory and preserve the carbon sinks of the island and contribute to a better evaluation of its carbon footprint

#### DIMZAL, FOREFIRE:

digital tools for simulating and anticipating fires in real time, to help professionals fight fires and develop the local territory

Dissemination of scientific culture to the local territory

SCIENCE FESTIVAL 30 discovery workshops with 400 students visiting the university sites at Corte, Ajaccio and Greater Bastia, laboratory and research platforms open days

CORSICAN SCIENCE AWARDS Regional and national academic competitions, 500 students attending the Corte campus

A SCHOOL RESEARCHER, CNRS CLUB School visits and workshops

RESEARCHERS FORUM, RESEARCH CONFERENCES Presentation of research works for the general public

# DEVELOPMENT & TERRITORIES

### **DEVELOPMENT & TERRITORIES**

Develop the entrepreneurial spirit PEPITE cluster dedicated to student entrepreneurs Specific training Meetings, awards and challenges Co-working space

Encourage creativity & innovation Fab Lab, Digital Manufacturing Space Innovation & Development Hub Training in cinema, audiovisual, architecture, performing arts, dance, arts Workshops, artist and designer residencies

### **DEVELOPMENT & TERRITORIES**

Fab Fier

#### University Foundation

### Innovation & entrepreneurship

Hackathon Contest, Innovation Challenge, Start'in Corsica Student Entrepreneurship Award Meetings between entrepreneurs, creators and students

#### **Internationalisation of skills** Scholarships, learning expedition - study trips

Transfer of knowledge to the territory in partnership with research laboratories Development & Innovation Chair Solidarity & Innovations Chair Paul Valery Mediterranean Spirit Chair Digital Confidence Chair

#### **Creativity & local development** Fabbrica design, designer residencies centred around island materials

### **DEVELOPMENT & TERRITORIES**

#### Identity, culture, language, heritage

Training & Research Cultural creation & diffusion Training of bilingual (French/Corsican) teachers Training of Corsican speaking journalists Training in Mediterranean vernacular architecture Publishing of books and exhibition conception/design Creation of digital language learning tools Cultural Media Center of w.+ 5000 digitized documents Scientific inventory of insular building heritage with 6000 points of interest Corsican linguistic data bank Plays, concerts, conferences, meetings

Partnerships & networks

130 partner universities worldwide in training and research

Founding member of RETI (Network of Excellence in Island Territories) 28 member universities worldwide Teaching collaborations Teacher and student exchanges Creation of joint degrees Scientific cooperation



330 international students at the University of Corsica representing 65 nationalities

Exchange programs Erasmus+ BCI-CREPUQ Quebec

Free mover

Associations Erasmus Student Network International students

### Specific training

FLE University Diploma French as a foreign language

Double degrees ENERGY ENGINEER Paoli Tech & Polytechnic University of Bucharest, Romania

MASTERS DEGREE IN ECONOMY School of Management and Economics EME-IAE & University of Sassari, Italy

Offshore Degrees School of Management and Economics Masters degree in Management in Bulgaria Masters degree in Tourism in Vietnam

#### Cross-border & international research programs

Feder: European fund for regional development Interreg Marittimo

Scientific cooperation with 30 universities Algeria, Brazil, Bulgaria, Djibouti, Spain, Italy, Malta, Morocco, Senegal, Singapore, South Africa, Spain, Turkey, United Kingdom

15 international visiting professors annually

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