ISPGAYA instituto superior politécnico



WHERE THE FUTURE LEADS VOU

Located in Vila Nova de Gaia - a city just across the Douro River from Porto - ISPGAYA is a Higher Education Institution that aims to be the starting point for your tomorrow.

This is where it all begins. Vou will acquire new knowledge, develop new skills and live new experiences. At ISPGAYA you will build the personal and professional future you dream off.

Adaptation to change, flexibility, innovation, entrepreneurship and creativity are the guiding principies of your ISPGAYA journey. These principies are achieved through a teaching methodology that is based upon a practical approach to knowledge. Articulation with the main companies and organizations of the region allows a permanent contact with different professional and personal realities. We believe this is the way to prepare you to be a good professional and citizen.

At ISPGAYA you will also find a welcoming atmosphere, marked by a close and transparent relationship with the entire academic community.

Here the FUTURE is what you want it to be!



Portugal

Mainland Portugal occupies an area of 88,889 km2 and includes approximately 11 million inhabitants. It is located in the southern part of the European continent and borders Spain to the east and north. The Portuguese territory also includes two autonomous regions: the archipelagos of Madeira and the Azores, located in the Atlantic Ocean.

The country integrates, the oldest borders of Europe, with a exceptional variety of different landscapes within walking distance, with many leisure activities and a unique cultural heritage, where tradition and modernity blend in perfect harmony.

The Portuguese are traditionally friendly and welcoming to all visitors, regardless of where they come from. With Latin roots, Portuguese (official language) is spoken by about 250 million people on all continents and, in addition, it is the 5th most spoken language in the world.

It is a member of the European Union and part of the Monetary System European, as such, the Euro has been the country's official currency since 2001.

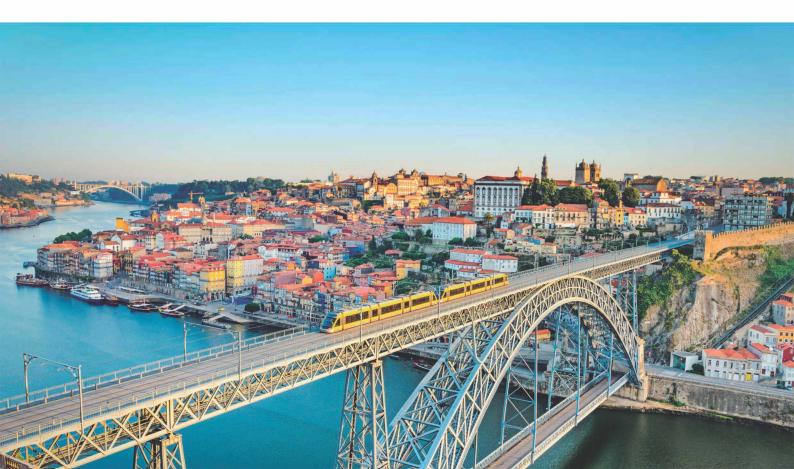
According to Numbeo, Portugal in 2020 is in 19th place in the quality of life ranking. In addition, according to a study by the Expat Insider (6th edition), in 2019, Portugal ranked 3rd in the world with more than half of expatriates planning to possibly live in the country for the rest of their lives.

If we had to describe Portugal in one sentence, it would be: "Life

Porto and Vila Nova de Gaia

Porto is the second largest city in Portugal and the one that gave the country its name. The North Region, also known as undefeated, has about 1.7 million inhabitants, of which 100,000 are higher education students.

It is bathed by the Douro River and the Atlantic Ocean and known for being, welcoming and authentic. The stunning landscapes and the narrow streets and unforgettable features of the city, the cultural and artistic diversity and its rich and varied gastronomy, differentiate the City from all others. For this reason, Porto was elected the Best City Break Destination in Europe in 2020, and the best European destination in 2017 for the third time in a row.



Bachelor Degrees

- Accounting
- Management
- Tourism and Sustainable Business
- Computer Science Engineering
- Mechanical Engineering
- Electronic and Automation Engineering

ACCOUNTING

The Accounting Degree aims to train graduates with solid Knowledge in accounting and management and to be able to deal with the new information technologies. With this in mind the fundamental objectives are:

 To train professionals capable of meeting the challenges of the new organizational concepts and information technologies, promoting applied pedagogical, technological and scientific research;
 Developing capacity for innovation and criticai analysis;

Ili. Designing accounting information systems, internai contrai systems and to prepare and analyse economical and financial information, budget and tax analysis.

The training quality is complemented with the possibility to participate in student international exchange programs, as well as many cultural and associative activities within the academic community.

CAREER OPPORTUNITIES

The activity of Accounting graduates can be developed in a wide range of professional profiles, public and private, among which the following stand out:

- : Accounting Official Technician
- : Superior Technician of the Administrative and Financial area
- :: Financial and Tax Consultant
- :: Official Accounting Auditor

ADMISSION TEST

Economics or Mathematics or Portuguese

CURRICULAR STRUCTURE

1^{5r} TERM

- : Management And Organization Of
- Companies
- :: Mathematics
- :: Introduction To Accounting
- : Macroeconomics
- :: General Principies Of Law And Civil Law

2[№] TERM

- :: Information Systems Applied To Management
- :: Mathematics For Economy And Management
- : Financial Accounting
- :: Commercial And Society Law
- :: Microeconomics

3RDTERM

- :: Financial Accounting Complements
- : Management Accounting
- : Tax Organization
- :: Labour And Social Security Law
- ::Tax Law

4[™]TERM

- :: Taxation
- " Entreprise Rendering Of Accounts And Concentrations
- : Human Resources Management
- :: Statistics And Probabilities
- : Management Accountancy Complements

STH TERM

- : Financial And Economical Analysis
- :: Tax Complements
- : Accounting Of Sectorial Plans
- :: Internship/End Course Project 1
- :: Ethics And Deontology

6T^H TERM

- **::** Financial Auditing
- :: Internship/End Course Project li
- :: Financial Management
- : Management Planning and Contrai

MANAGEMENT

Management, as social science, must develop a perspective of interdisciplinary knowledge and of science evolution. In the process of decision making, the key of successs lies in the capacity of anticipation of future events. People with the responsibility to decide come across in a daily basis with the challenge to give answers to change, in a world where the nets of interconnections are established and broken, at an unprecedented rhythm. It is in this scenario of decisions taken in an atmosphere of uncertainty and risk, but whose instrumental models are aimed to support , that this course was built.

CAREER OPPORTUNITIES

- : Administrative and Financial SuperiorTechnician.
- :: Human Resources SuperiorTechnician.
- :: Commercial and Marketing SuperiorTechnician
- : Production and Logistics SuperiorTechnician.
- : Project Manager Entrepreneur.
- :: Accountant
- : Chartered Accountant

ADMISSION TEST

Economics or Mathematics or Portuguese

CURRICULAR STRUCTURE

1^{5r} TERM

- :: Mathematics
- : Introduction To Accounting
- :: Company Management And Organization
- :: Management Macroeconomics
- :: General Principies Of Law And Civil Law

2[№] TERM

- :: Mathematics For Economy And Management
- :: Financial Accounting
- :: Computer Science Applied To Management
- :: Microeconomics
- :: Commercial And Society Law

3^{R0}TERM

- :: Management Accounting
- :: Taxation
- :: Portuguese Economy
- :: Labour And Social Security Law
- :: Financial Calculus

4[™]TERM

- :: Management Support Information Systems
- :: International Economy
- : Probabilities And Statistics
- :: Human Resources Management
- :: Complements Of Management Accounting

STH TERM

- :: Marketing
- : Economic And Financial Analysis
- :: Quantitative Methods Applied To Management
- : Quality Management And Safety
- :: Technology And Business

6TH TERM

- :: Company Project, Seminars And Enterpreneurship
- :: Financial Management
- :: Production Management And Logistics
- :: Management Planning and Contrai
- :: Strategical Management And Innovation

Tourism and Sustainable Business

The Degree in Tourism and Sustainable Business at ISPGAYA provides markedly practical and experimental training, based on the theoretical knowledge required for professional practice.

It promotes inter and multidisciplinary training in various fields, by transmitting solid technical knowledge about human intervention and tourism, valuing the understanding of the intercultural dimension and its interactions in a wide range of sectoral domains of the economy and society, capable of promoting implementation of sustainable tourism businesses.

Future tourism professionals are asked to have an awareness, and a critical attitude, about ethical, environmental and legal guidelines that frame the best practices used for the implementation and sustainable management of tourism development projects.

PROFESSIONAL OPPORTUNITIES

- : Assistant technician in transport companies;
- : Promotion of Communication/Marketing in Tourism;
- : Sociocultural manager of tourist activities;
- : Territorial intervention project manager;
- : Tourism consultant;
- : Tourism technician/tourist promotion at tourist aftices;
- : Tourist events manager;
- ::Travei agency technician/operator;

ADMISSION EXAMS Geografy / History / Portuguese

CURRICULAR STRUCTURE

1^{5T} TERM

- : Information and Communication Technologies in Tourism
- : Geography and Sustainable Tourism Practices
- :: Tourism Fundamentais
- :: Culture of the Contemporary World
- : Management of Organisations
- :: English Applied to Tourism: Basic

2[№] TERM

Fundamentais of Tourism Economics Hospitality and Tourist Accommodation History of Art Applied to Tourism Tourism Policies and Legislation Creating Tourist and Leisure Experiences English Applied to Tourism: Intermediate

3^{RO}TERM

Tourism and Sustainable Activities Management Events and Tourist Entertainment Digital Systems Applied to Tourism Tourism Marketing and Promotion English Applied to Tourism: Advanced Sustainable Business and Destinations Certification

4^THJ ERM

Tourism and Sustainable Development Digital Business Financial Accounting Management Human Resource Management Heritage and Tourism Opcional

- Basic Spanish
- Basic French

5^THJ ERM

Travei Agencies and Tour Operators Accessible and Inclusive Tourism Strategic Management Tourism Destinations and Products Strategy Entrepreneurship and Sustainable Business in Tourism Opcional

- Spanish Applied to Tourism
- French Applied to Tourism

6^THJ ERM Internship / Applied Project

COMPUTER SCIENCE ENGINEERING

Computer Science Engineering graduates have a solid and broad education that prepares them to direct and perform ali tasks in the lifecycle of software systems, focusing on the direct monitoring of engineering design, development, production, quality and maintenance. These professionals, with their own autonomy, are able to adapt to challenges in business, applying his technical and scientific knowledge and engineering methods and techniques. This versatility makes them particularly valid in organizations where constant innovation is reauired.

CAREER OPPORTUNITIES

- ::Systems Engineer
- ::Software Engineer
- :: Network Engineer
- :: Information Systems Project Manager
- :: Computer Science Advertising Technician

ADMISSION TEST

Mathematics

OPTIONAL COURSE*

:: Distibuted Systems :: Systems Administration :: Cloud Computing :: Interfaces Accessility and Usability

CURRICULAR STRUCTURE

1^{5r} TERM

:: Mathematical Analysis 1
:: Algebra
:: Algorithms and Programming Models
:: Computer Architecture
:: Digital Systems and Instrumentation

2[№] TERM

:: Mathematical Analysis Ii
:: Physics
:: Programming and Computers
:: Information Security
:: Operating Systems

3^{R0}TERM

:: Numerical Analysis
:: Information Processing
:: Databases
:: Languages and Computation Theory
:: Computer Networks

4[™]TERM

Probabilities and Statistics
Computer Graphics
Software Projects Management
Languages and Programming Paradigms
Web Technologies and Applications

STH TERM

:: Computer Science Draft Projet and Seminars
:: Mobile Computing
:: Decision Support Systems
:: Artificial Intelligence
:: Technologies and Businesses

6TH TERM

::Computer Science Projet in a Business Context ::Networks Management and Planning ::Information Systems ::Optional Course*

MECHANICAL ENGINEERING

The degree in Mechanical Engineering is based in a diverse set of skills that allow to assure future professionals conditions for professional integration in a range wide range of professional activities in the industrial sector, in the service sector, in public administration or in teaching, training, research and development.

CAREER OPPORTUNITIES

- :: Design Engineer
- :: Equipment Manufacturing Engineer Mechanics
- :: Air Conditioning Energy Production Engineer
- :: Maintenance and Management Engineer Operations
- ::Consultant and Project Evaluator in Companies Services
- ::Teacher, Trainer or Researcher
- ::Technical-Commercial

ADMISSION TEST

Mathematics and Physics(Chemistry)

CURRICULAR STRUCTURE

1^{5r} TERM

- :: Mathematical Analysis
- ::Algebra
- :: Algorithms and Programming Models
- :: Electric Circuits
- :: Design

2[№] TERM

:: Mathematical Analysis I :: Design I :: Engineering Materiais 1 :: Applied Mechanics 1 :: Mechanical Technology 1

3^{R0}TERM

- :: Numerical Analysis
- :: Engineering Materiais li
- :: Applied Mechanics i
- :: Mecha nicai Technology li
- :: Applied Thermodinamics 1

4TH TERM

:: Automatons :: Electromagnetism and Electrical Machines :: Probabilities and Statistics :: Material Strength :: Applied Thermodynamics li

STH TERM

Pneumatic and Hydraulic Circuits
Reliability and Maintenance
Machine Organs
Robotics
Heat Transfer

6TH TERM

::Vibrations and Noise
::Computer Aided Design and Manufacturing
:: Production and Logistics Management
:: Fluid Mechanics
:: Mechanical Engineering Project in a Business Context

ELECTRONICS AND AUTOMATION ENGINEERING

The course in Electronics and Automation Engineering aims to provide a solid and broad background in terms of the disciplines of speciality, such as analogical and digital electronics, microprocessors and PLC, robotics and direct digital contrai systems, training technicians able to perform functions such as consulting, planning, implementation, maintenance design, and operation of electronic systems and automation, particularly in the industrial area. With a solid education, also in basic sciences, aims to provide its graduates an easier and more effective adaptation to rapid technological change, giving them greater flexibility and an overview of the areas in which future professionals will be inserted.

CAREER OPPORTUNITIES

- : Electronic and Automation Projects Development Engineer
- :: SuperiorTechnician of Systems Maintenance
- :: Electronics and Automation Product Manager
- : Consultant in the area of Electronics and Automation

ADMISSION TEST

Mathematics and Physics(Chemistry)

CURRICULAR STRUCTURE

1^{5r} TERM

- : Algebra
- : Mathematical Analysis 1
- : Instrumentation and Digital Systems
- : Algorithms and Programming Models
- : Electric Circuits

2[№] TERM

- : Mathematical Analysis i
- : Electronics 1
- : Digital Systems Project
- : Programming and Computers
- : Physics

3^{R0}TERM

- :: Numerical Analysis
- : Electromagnetism
- : Microprocessors and Architecture of Computers
- : Instrumentation and Transducers
- : Electronics li

4[™]TERM

- : Automatons
- : Electrical Machines
- : Embedded Systems Project
- : Probabilities and Statistics
- :: Electrical Instalations and Domotics

STH TERM

- :: Robotics
- : Power Electronics
- : Pneumatic and Hidraulic Circuits
- : Industrial Data Communications
- : Electronic and Engineering Preliminary Project Automation

6TH TERM

- : Command and Automation
- : Power Control Electronic Systems
- :: Economics and Management Seminar
- :: Network Planning and Management
- :: Electronic and Automation Project in the Company Context

ACCESS CONDITIONS BACHELOR DEGREE

DOCUMENTS

1.National Identit}' Card / Passport (copy)

2. High school diploma/ certificate

certificate The must contain а description of the subjects completed and their final grades. must lt be properly recognized by the Portuguese educational authorities: here

3.0ne of the following:

a. If the home country reguiresnational higher exams for admission in education: Document with the marks obtained in the national exams

b.lf the home country <u>does not require</u> <u>national</u> exams for admission in higher education: Syllabus of the following secondary education curricular units (per degree)

Economics or Mathematics

4.Eligibility certificate

Document the national issued by authorities of the home country specifying applicant that the possesses the required habilitations to progress to education higher in its home country (whenever possible)

5.ELTS/TOEFL or a document attesting knowledge of the English language

Minimum levei: B2*

APPLICATION

Online Application:

https://inforestudante.ispgaya.pt/nonio

Ali documents must be authenticated bX;_

Embassy or Consulate services of Portugal in the home country or the Hague Apostille is sufficient for countries with which Portugal shares such convention.

1st PHASE

05/02/2024 - 08/03/2024 Results

02/04/2024

2^{N D} PHASE

11/03/2024 a 31/05/2024

Results

17/06/2024

Duration:

3 years

•CEFR - Common European Framework of Reference for Languages

A computer Systems Auditing

The MSc in Cybersecurity and Computer Systems Auditing aims to address the growing challenges of computer security felt by companies, government entities and citizens, through advanced training of experts in network security and computer systems, that will be integrated into multidisciplinary teams in the field of information and communication technologies. The future graduates will acquire advanced technical knowledge in areas such as prevention, detection and mitigation of cyber-attacks, being able to manage complex processes of information security in different types of organizations.

This Master's degree also aims to promote applied research in the areas of cyber security and auditing of computer systems and foster a strong connection with the business community through projects, internships and seminars.

CAREER OPPORTUNITIES

::Auditor specialized in computer systems and cybersecurity ::Manager specializing in the auditing of computer networks and computer systems

::Administrator specializing in computer network risk management ::Risk Analyst IT and Computer Forensics

:: Developer and manager of secure web and mobile systems

:: Consultant in cybersecurity and computer systems auditing

::Researcher in cybersecurity and computer systems auditing

CURRICULAR STRUCTURE

1st SEM ESTER

::Applied Cryptography ::Digital Forensic Analysis ::Computer Network Security ::Privacy and Personal Data Protection ::Security in Mobile and Web Systems

2nd SEMESTER

::Cybersecurity Audit ::loT Security ::Security in Information Systems ::Information Security Management ::Machine Learning Applied to Security

3rd SEMESTER

::Research Methodologies::Seminars::Dissertation/Project/1 nternship

4th SEMESTER ::Dissertation/Project/1 nternsh ip

ACCESS CONDITIONS

DOCUMENTS

Passport / 1D card

(copy)

Bachelor degree diploma / certificate

Curriculum Vitae

IELTS/TOEFL or a document attesting knowledge of the English language

Minimum level: 82*

The Bachelor degree must be recognized by the Portuguese Higher Education Authority. Such recognition can be made <u>here</u>

1st PHASE

05/02/2024 - 08/03/2024 Results 02/04/2024

2nd PHASE

11/03/2024 - 31/05/2024 Results 17/06/2024

Duration: 2 years

APPLICATION Online Application

https://inforestudante.ispgaya.pt/nonio/

ACCOMMODATION

We do not have our own accommodation, but we recommend:

Studyou Porto Asprela

We have the perfect room for you! Become part of our great community and be one of the first to live in this new accommodation in Porto. Studyou Porto Asprela offers fully furnished rooms with private bathrooms, so that you can enjoy your own private and independent space. The vibrant common kitchen area allows you to interact with other residents while cooking your own meal. Our offer is completed with excellent facilities and common areas, such as a study area, a games room and a cinema room.

Conditions:

a. Application: 200 €

b. Enrollment/Registration: 300 €

c. Annual payments:

Tuition (Portuguese language teaching) 3780 € Tuition (English language teaching) 7560 €



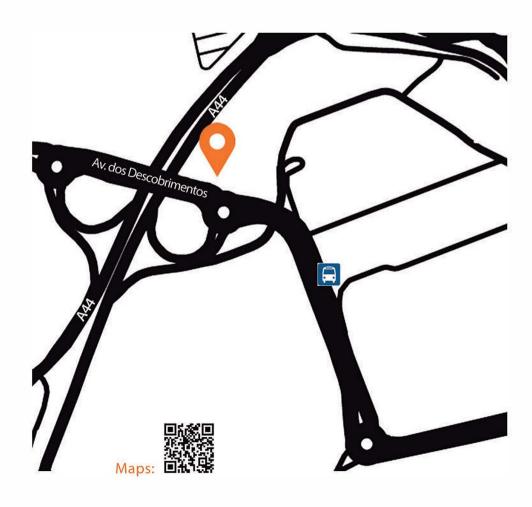


av. dos descobrimentos, 333 4400-103 santa marinha - v.n.gaia info@ispgaya.pt

PUBLIC TRANSPORTATIONS







WHERE THE FUTURE LEADS YOU



