

Máster online 100%

Master in Sustainable Development. Agenda 2030 + 60 ECTS Credits

Structuralia

Máster online 100%

Master in Sustainable Development. Agenda 2030 + 60 ECTS Credits

Modality
Online

Languages
Español

Duration
1500 hours (60 ECTS)

No Limit
AI Assistant

Educational Institutions

Structuralia Engineering eLearning

UTAMED

Summary

The Master in Sustainable Development. Agenda 2030 is a specialization program for professionals seeking to update and deepen their knowledge in the integration of sustainability into organizational strategy. This master's degree will allow you to master the complexity of a field in constant evolution, where the climate urgency, the imperative relevance of equality and the growing consideration of ESG criteria in investment and financing define the current strategic landscape. You will delve into the global framework of sustainable development, obtaining tools and advanced knowledge to integrate these pillars into the strategy and operations of any organization. You will address the structuring of the Sustainable Development Goals (SDGs) through the 5 Ps—People, Prosperity, Planet, Peace and Partnership—, understanding their implementation in public policies and the critical role of companies and civil society. You will evaluate and monitor progress toward these goals, anticipating future challenges and perspectives. With this approach, you will enhance your management capacity, ensuring that organizational decisions not only respond to current demands, but also drive a positive and lasting social impact. You will specialize in environmental issues and the practical application of the 2030 Agenda, preparing you to lead the transition towards more resilient and responsible business models. You will master the key material issues for corporate sustainability, from the identification to the implementation of strategic solutions, and you

will consolidate your role as an agent of change, capable of designing and implementing strategies that generate long-term value.

Agenda

MODULE 1. SUSTAINABLE DEVELOPMENT GOALS (SDG)

1. DIDACTIC UNIT 1. SUSTAINABLE DEVELOPMENT

1. Introduction
2. Development and Environment
3. Sustainable development
4. Human Rights and Sustainable Development
5. Law International Environmental
6. What can be done?

2. DIDACTIC UNIT 2. DESCRIPTION OF THE 17 GOALS OF SUSTAINABLE DEVELOPMENT AND THE 169 GOALS

1. Introduction and context
2. Objectives and goals of sustainable development

3. DIDACTIC UNIT 3. VERTEBRATION OF THE SDGs. THE 5 P'S: PEOPLE, PROSPERITY, PLANET, PEACE AND PARTNERSHIP

1. How the sustainable development goals were created
2. Development vision promoted by the Sustainable Development Goals
3. The 5 Ps: People, Prosperity, Planet, Peace and Partnerships
4. The Millennium Development Goals (MDGs)

4. DIDACTIC UNIT 4. CHALLENGES AND PERSPECTIVES OF THE SDGs

1. Global challenges in the implementation of the SDGs
2. Local and regional challenges
3. Long-term perspective: future scenarios for the SDGs

5. DIDACTIC UNIT 5. IMPLEMENTATION OF THE SDGS IN PUBLIC POLICIES

1. Strategies for incorporating the SDGs into public policies
2. Tools and frameworks for implementation
3. Role of key actors in implementation

6. DIDACTIC UNIT 6. THE ROLE OF BUSINESSES AND CIVIL SOCIETY IN THE SDGS

1. Introduction to the role of business and civil society in the SDGs
2. Contribution of companies to the SDGs
3. Role of civil society in promoting the SDGs
4. Synergies between companies and civil society

7. DIDACTIC UNIT 7. EVALUATION AND MONITORING OF PROGRESS TOWARDS THE SDGS

1. Importance of evaluation in the context of sustainable development
2. Key indicators to measure progress on the SDGs

3. Tools and methodologies for impact monitoring
4. Challenges and limitations in measuring the SDGs

8. DIDACTIC UNIT 8. THE ENVIRONMENTAL PROBLEM

1. The environmental problem
2. More direct consequences on the environment
3. The evolution of energy consumption
4. World energy reserves

9. DIDACTIC UNIT 9. RENEWABLE AND NON-RENEWABLE ENERGY

1. Primary and final energies
2. energy vectors
3. Renewable and non-renewable sources
4. Classification of renewable energies
5. Renewable technologies and their regulatory classification

10. DIDACTIC UNIT 10. ENVIRONMENTAL EDUCATION

1. Fundamentals of Environmental Education
2. Main Agents of Environmental Education
3. Environment and Economic Development
4. Practices and Techniques for Environmental Education

11. DIDACTIC UNIT 11. CONTRIBUTION OF THE PRIVATE SECTOR AND FINANCING MECHANISMS FOR THE 2030 AGENDA

1. The private sector in the face of global sustainability
2. Integration of the SDGs into business strategy
3. Financial instruments for sustainable development
4. Innovation and market opportunities linked to the SDGs
5. Sectoral application. OCS in engineering and infrastructure

12. DIDACTIC UNIT 12. CIVIL SOCIETY, MULTIFACTOR ALLIANCES AND EMERGING DYNAMICS FOR THE SDGs

1. Participation of civil society and the third sector in the 2030 Agenda
2. Education, awareness and cultural change for the SDGs
3. Alliances for sustainable development and stakeholder management
4. Digital transformation and emerging technologies at the service of the SDGs
5. Strategic communication of the SDGs

MODULE 2. SUSTAINABLE FINANCE

1. DIDACTIC UNIT 1. SUSTAINABILITY AND THE FINANCIAL WORLD

1. Sustainability and finances
2. Main environmental and social challenges
3. ESG criteria
4. Risks and sustainability
5. Current situation of sustainable finance

2. DIDACTIC UNIT 2. LEGAL AND INSTITUTIONAL FRAMEWORK OF SUSTAINABLE FINANCE

1. The United Nations Environment Program (UNEP)
2. The UNEP Financial Initiative
3. The 2030 Agenda and sustainable development
4. Sustainable finance in Europe
5. Sustainable finance in Spain

3. DIDACTIC UNIT 3. SUSTAINABLE INVESTMENT PRODUCTS

1. Sustainable investment
2. Sustainable investment strategies
3. Reporting in sustainable investment
4. SRI funds and sustainable pension plans
5. Impact investing

4. DIDACTIC UNIT 4. SUSTAINABLE FINANCING PRODUCTS

1. Sustainable financing
2. Green bonds
3. Social bonds, sustainable bonds and bonds linked to sustainability
4. Sustainable loans for companies and individuals
5. Microfinance

MODULE 3. EQUALITY AND HARASSMENT

1. DIDACTIC UNIT 1. FOUNDATIONS OF EQUALITY

1. Equality as a concept
2. Equality as a universal right: historical and social framework
3. Deconstructing discrimination: the impact of prejudices, stereotypes and social roles
4. Intersectionality: a transversal approach to equality

2. DIDACTIC UNIT 2. HARASSMENT AND ITS CONSEQUENCES

1. Bullying and the forms it can take
2. The evolution of harassment: from incivility to harassment
3. The impact of bullying: consequences for the individual, the team and the organization

3. DIDACTIC UNIT 3. INTERNATIONAL POLICY FOR EQUALITY AND AGAINST HARASSMENT

1. International regulations for the protection and promotion of equality
2. International regulations against harassment
3. The role of international organizations
4. Protocols for prevention, detection and action against harassment

4. DIDACTIC UNIT 4. PREVENTING HARASSMENT AND PROMOTING EQUALITY

1. Prevention policies in work and educational environments
2. The inclusive organizational culture
3. Inclusive communication and non-sexist language

4. Training and awareness on equality and harassment

5. DIDACTIC UNIT 5. DIAGNOSIS AND ANALYSIS OF THE ENVIRONMENT

1. Tools to identify risks of inequality and harassment
2. Alert indicators and organizational climate analysis
3. Participation of diverse groups in diagnoses
4. Internal audits with an intersectional approach

6. DIDACTIC UNIT 6. PROTOCOLS FOR ACTION IN CASES OF HARASSMENT

1. Essential Elements of an Effective Protocol
2. Procedures for receiving complaints
3. Research process
4. Measures and resolution of the conflict
5. Accompaniment and protection of victims

7. DIDACTIC UNIT 7. FOSTERING A CULTURE OF ALLIES

1. What does it mean to be an ally?: From passive spectator to active defender
2. Equality plans as instruments of structural change
3. Monitoring, sustainability and continuous improvement

MODULE 4. SMART AND SUSTAINABLE CITIES

1. DIDACTIC UNIT 1. SUSTAINABLE CITIES

1. Introduction to sustainability
2. The 2030 agenda and the SDGs
3. Challenges of the city of the future
4. Prosperous and sustainable cities
5. Success factors for sustainable and smart cities

2. DIDACTIC UNIT 2. SMART CITIES

1. urban design
2. Digitization of cities
3. Urban energy transition
4. Urban mobility
5. circular cities

3. DIDACTIC UNIT 3. RESILIENT CITIES

1. Urban resilience
2. Mitigation and adaptation to climate change
3. Nature-based solutions
4. Healthy cities
5. Peri-urban spaces

4. DIDACTIC UNIT 4. INCLUSIVE CITIES

1. Social challenges
2. Ensuring social cohesion
3. Integrated urban governance

4. Institutional leadership
5. Creation of networks and partnership

MODULE 5. URBAN RESILIENCE

1. DIDACTIC UNIT 1. FUNDAMENTAL CONCEPTS

1. Urban development. The city as a system of systems
2. The concept of urban resilience. Resilience and Sustainable Development.
3. Evaluation of impacts and tensions. Analysis and management of urban risks
4. Characteristics of a resilient city. Essential aspects to achieve resilient cities
5. Resilience indicators and standards. Urban resilience index.

2. DIDACTIC UNIT 2. THE URBAN RESILIENCE FRAMEWORK

1. Health, Wellbeing and Education
2. Resilience and Social Cohesion
3. Resilience and Circular Economy
4. Responsible production and consumption in the resilient city
5. Resilience and Climate Change

3. DIDACTIC UNIT 3. THE BUILT ENVIRONMENT IN URBAN RESILIENCE

1. Resilient Building
2. Critical infrastructures in urban resilience
3. Resilience in the hybrid system
4. Resilience in mobility and energy efficiency
5. Environmental protection and ecosystem protection

4. DIDACTIC UNIT 4. TRENDS AND PROGRAMS ON URBAN RESILIENCE IN THE WORLD

1. United Nations programs for disaster reduction, sustainability and urban resilience
2. The Rockefeller Foundation's 100 Resilient Cities Program
3. CRP Program and other international action programs on urban resilience
4. Smart cities.
5. Nature-based solutions (NBS) and resilience

MODULE 6. ATMOSPHERIC POLLUTION

1. DIDACTIC UNIT 1. INTRODUCTION TO ATMOSPHERIC POLLUTION

1. The atmosphere
2. The problem of air pollution
3. Primary pollutants
4. Secondary pollutants and atmospheric chemistry
5. Models of concentration and dispersion of pollutants in the atmosphere

2. DIDACTIC UNIT 2. EMITTER FOCUS AND SAMPLING TECHNIQUES

1. Natural and anthropogenic sources
2. Emission sampling techniques
3. immission sampling techniques
4. Analysis of atmospheric pollutants

5. Air quality

3. DIDACTIC UNIT 3. ATMOSPHERIC PROTECTION MEASURES

1. Corrective Actions: Elimination of Particulate Pollutants I
2. Corrective Actions: Elimination of Particulate Pollutants II
3. Corrective Actions: Elimination of Particulate Pollutants III
4. Corrective Actions: Removal of Gaseous Contaminants I
5. Corrective Actions: Removal of Gaseous Contaminants II

4. DIDACTIC UNIT 4. INDUSTRIAL EMISSIONS

1. Vehicle pollution
2. waste incineration
3. CO2 Capture and Storage (CCS)
4. Other contaminations
5. carbon footprint

MODULE 7. CLIMATE VARIABILITY AND CLIMATE CHANGE

1. DIDACTIC UNIT 1. CLIMATOLOGY CONCEPTS

1. Climate: definition
2. Climate: elements and factors
3. Climatology: study methods
4. The climate system

2. DIDACTIC UNIT 2. RADIATION, LAND ENERGY BALANCE. TEMPERATURE

1. General concepts
2. Radiation
3. Solar type radiation
4. Earth's energy balance
5. Solar radiation and its spatial distribution
6. Incident radiation at a point: calculation
7. Temperature
8. Natural greenhouse effect: gases and mechanisms
9. Disturbances in the energy balance: natural and human causes

3. DIDACTIC UNIT 3. CLIMATE AND ITS CLASSIFICATION

1. Climate and generalities
2. Climate classification based on temperatures and precipitation
3. The Koppen classification
4. Strahler's classification
5. Types of climates
6. mountain climates
7. Historical climate events: Little Ice Age, Medieval Climate Optimum
8. Methods for reconstructing past climate: climate witnesses

4. DIDACTIC UNIT 4. THE LIMITS OF THE PLANET

1. Biodiversity, "finitude" of natural resources and "irreversibility" linked to extinction
2. Renewable resources. Overexploitation of them today

3. Conflicts over renewable resources and environmental refugees

5. DIDACTIC UNIT 5. THE DEPLETION OF NON-RENEWABLE RESOURCES

1. Non-renewable resources, minerals and energy resources
2. The problems generated by its use and the conflicts over its control

6. DIDACTIC UNIT 6. CLIMATE CHANGE

1. Evidence of current climate change
2. Future projections for the average temperature of the planet according to the evolution of Greenhouse Gas emissions
3. Impoverished countries are and will be the most affected, the regions and ecosystems that will be especially affected by climate change, and the projections of the economic effects of climate change at a global level
4. The fight against climate change is possible, and is based on global action, mitigation and adaptation

7. DIDACTIC UNIT 7. CLIMATE MODELING: FUTURE SCENARIOS AND PROJECTIONS

1. History and evolution of climate modeling
2. Components of climate models
3. Types of climate models
4. Reference scenarios
5. IPCC and CMIP6 simulations
6. Projections of key climate variables

8. DIDACTIC UNIT 8. CARBON FOOTPRINT AS A METER OF CHANGE

1. Evolution of the carbon footprint concept
2. International regulations and standards
3. Carbon footprint categories
4. Scope of application and calculation objects
5. What is Life Cycle Analysis?

9. DIDACTIC UNIT 9. COMPENSATION. CLIMATE NEUTRALITY AND DECARBONIZATION STRATEGIES

1. Climate neutrality and Net Zero goals
2. Reduction or compensation strategies?
3. Carbon offset mechanisms
4. Carbon markets and emissions trading systems

10. DIDACTIC UNIT 10. KEYS TO SUSTAINABLE ADAPTATION

1. Difference between mitigation and adaptation
2. Local, national and global adaptation strategies
3. Climate resilient infrastructure and ecosystem-based solutions
4. Integration of climate change in territorial and sectoral planning

MODULE 8. INSTRUMENTS TO MITIGATE GLOBAL WARMING

1. DIDACTIC UNIT 1. THE CLOSE RELATIONSHIP BETWEEN GREENHOUSE GASES AND GLOBAL WARMING

1. air pollution
2. Global warming and climate change
3. Global greenhouse gas emissions
4. What is mitigation?
5. Policy approaches to mitigation

2. DIDACTIC UNIT 2. INTERNATIONAL MITIGATION MECHANISMS

1. Nationally determined contributions
2. Trading of emission rights or carbon credits
3. Clean development mechanisms
4. Joint action and adaptation fund
5. Compensation mechanisms based on the non-market - voluntary market

3. DIDACTIC UNIT 3. SECTOR MITIGATION STRATEGIES

1. Energy sector
2. Industrial sector
3. Transportation sector
4. Housing and construction sector
5. Agriculture, forestry and other land uses sector

4. DIDACTIC UNIT 4. BENEFITS AND OPPORTUNITIES OF MITIGATION

1. Mitigation in the Asian region
2. Mitigation measures in the American continent
3. Mitigation measures in the African region
4. Mitigation measures in Europe
5. Mitigation measures in Oceania

MODULE 9. NATURAL RISKS ENGINEERING: DROUGHT AND FLOODS

1. DIDACTIC UNIT 1. EVALUATION OF WATER RESOURCES

1. Water balance
2. Climatology
3. Precipitation
4. Evaporation and transpiration
5. Geology and hydrology

2. DIDACTIC UNIT 2. DROUGHT

1. Definition of droughts
2. Ecological flows
3. Groundwater
4. Special drought plans
5. Indicator systems of special drought plans

3. DIDACTIC UNIT 3. FLOODS

1. Introduction
2. Precipitation analysis
3. Flood flows and flood zones
4. Flood Risk Management Plans
5. Emergency management

4. DIDACTIC UNIT 4. ENGINEERING SOLUTIONS FOR NATURAL RISK MANAGEMENT

1. Geomorphological-historical analysis
2. Flood Exposure Adaptation
3. Conventional solutions
4. Nature-based solutions
5. Urban solutions based on nature

MODULE 10. TFM. MASTER IN SUSTAINABLE DEVELOPMENT GOALS, AGENDA 2030

Qualification

Master's Degree in Continuing Training in Sustainable Development. Agenda 2030 with 1500 hours and 60 ECTS issued by UTAMED-Atlantic Mediterranean Technological University

Objectives

- • Integrate the vision of global sustainability and the Global Agenda framework into the organizational strategy. • Design strategies for the effective implementation of the Sustainable Development Goals (SDGs) and their associated goals. • Manage the structuring of the SDGs through the 5 Ps (People, Prosperity, Planet, Peace and Partnership) in various contexts. • Evaluate the impact and monitor the progress of sustainability initiatives, identifying challenges and future perspectives. • Lead the implementation of the SDGs in public policies and in the strategy of companies and civil society. • Make strategic decisions considering climate urgency, equality and environmental, social and governance factors in investment and financing. • Analyze and address environmental problems from a management perspective and sustainable models. • Develop material sustainability issues for organizations, aligning them with the global framework of the Global Agenda.

What does it prepare you for?

This program will allow you to lead the transformation of your organization towards a sustainable development model, integrating the vision of the 2030 Agenda in each strategy. You will acquire the ability to design and implement policies and projects that address the Sustainable Development Goals, both in the public and private spheres. You will evaluate the progress and impact of sustainability initiatives, using advanced monitoring methodologies. You will make strategic decisions based on environmental problems and global challenges. You will manage the integration of environmental, social and governance factors in investment and financing, understanding their relevance to business resilience. Finally, you will develop the ability to articulate the role of your company or institution in achieving global goals, promoting collaboration with civil society. The Master in Sustainable Development. Agenda 2030 trains professionals in the strategic management of sustainability to promote a positive and lasting impact in their organizations.

Who is it addressed to?

This Master is aimed at professionals in the sustainability, environment, quality management, communication, marketing and sustainable finance sectors who are looking for a high-level specialization. If you hold a position responsible for quality, environment, health and safety at work, or in areas of communication, marketing and investor relations, and need to update your knowledge in the global framework of corporate sustainability, this program is for you. It is ideal for those seeking to deepen the implementation of the sustainable development goals (SDGs), understand the impact of climate change, integrate environmental, social and governance criteria in investment and financing, or address equality from a strategic perspective, transforming their professional approach.

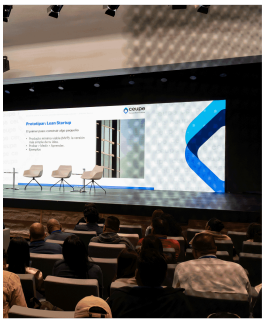
Official Character

This training is not included within the scope of official regulated training (Early Childhood Education, Primary Education, Secondary Education, Official Vocational Training FP, Baccalaureate, University Degree, Master University Officer and Doctorate). It is therefore a complementary and/or specialization training, aimed at the acquisition of certain competencies, skills or aptitudes of a professional nature, which can be assessed as merit in job boards and/or competitive examinations, always within the section of Complementary Training and/or Continuous Training. It is always essential to review the specific grading requirements of the specific public job boards to which we wish to apply.

Professional Outings

- Specialization in sustainability management and the 2030 Agenda will strategically position you to assume high-impact roles in the sector. You will be able to lead the integration of the Sustainable Development Goals in various organizations, from the public to the private sphere. You will be a reference capable of designing and implementing corporate sustainable development strategies. You will assume functions as Director of Sustainability, where you will define the vision and action plan of your organization, driving the transformation towards more responsible models. You can also work as a Senior Consultant in environmental, social and governance (ESG) criteria, advising companies in the evaluation and improvement of their impact and in the formulation of their sustainability policies. Another path is that of Responsible for Sustainable Development Projects, managing initiatives that contribute to global goals and ensuring their alignment with the principles of the 2030 Agenda. Finally, understanding sustainable finance will open doors for you as a Responsible Investment Analyst, evaluating opportunities under ESG criteria in investment funds and financial entities, contributing to the making of ethical and profitable decisions.







Live Madrid

Live the International Week

As an additional complement to your training, you can be part of the SIM: Week International in Madrid. A unique meeting that brings together students from all over the world. For seven days you can live an academic and cultural experience in the heart of Europe, culminating with the graduation ceremony in Madrid.

- Conferences and workshops with international experts
- Visits to companies and reference organizations
- Networking with students from different countries
- Cultural activities and discovery of Madrid
- graduation ceremony

Structural

Structuralia is a leading educational institution in postgraduate and highly specialized online training, focused on the fields of engineering, architecture, construction, energy, technology and digital transformation.

Founded in 2001 with a strong industrial DNA, the result of collaboration between large companies in the sector and the Universitat Politècnica de Catalunya (UPC), for more than 25 years we have accompanied technical professionals in their academic and professional development through practical, flexible training aligned with the reality of the labor market.

Our training proposal connects advanced technical knowledge, real employability and international projection, acting as key support in the professional evolution of those seeking to specialize, grow professionally and generate impact in their sector, with a firm commitment to the democratization of access to technical excellence.



+350.000

Students have gone through our virtual classrooms



+20 years

Experience in the training sector



5 stars

QS ranking in online education

EDUCA EDTECH
Group

Educa Edtech GROUP

When you enroll in a course or master's degree, you will get a free subscription to MyLXP while your training lasts. You will have access to more than 400 key courses (soft skills, languages, digital skills, etc.) and other surprises. Sign up and see how MyLXP improves your learning.

EDUCA LXP Methodology

The comprehensive tailored online education experience

EDUCA LXP is more than a methodology, it is a completely educational experience personalized thanks to all the possibilities offered by artificial intelligence. Now the content adapts to you, your needs and preferences, while offering you access to updated and practical content that really makes a difference in the labor market.

Flexibility

100% online learning adapted to your schedule: study from any device wherever, whenever and however you want.

Personalization

Contents and training itineraries adapted to your needs, thanks to AI.

Innovation

Constantly evolving technological developments driven by AI through the Learning Experience Platform.

Artificial intelligence

Discover PHIA, your learning assistant that will help you every step of the way.

Teaching support

Human empathy and academic guidance from a specialized teaching team.

Educational Experience

Didactic approach oriented to work by competencies, which favors practical and meaningful learning.

MY LXP

When you enroll in a course or master's degree, you will get a free subscription to MyLXP while your training lasts

You will have access to more than 400 key courses (soft skills, languages, competencies digital, etc.) and other surprises. Sign up and see how MyLXP improves your learning.

Meet PHIA, your personalized learning assistant

Use all the possibilities of artificial intelligence to get the most out of it match to your training

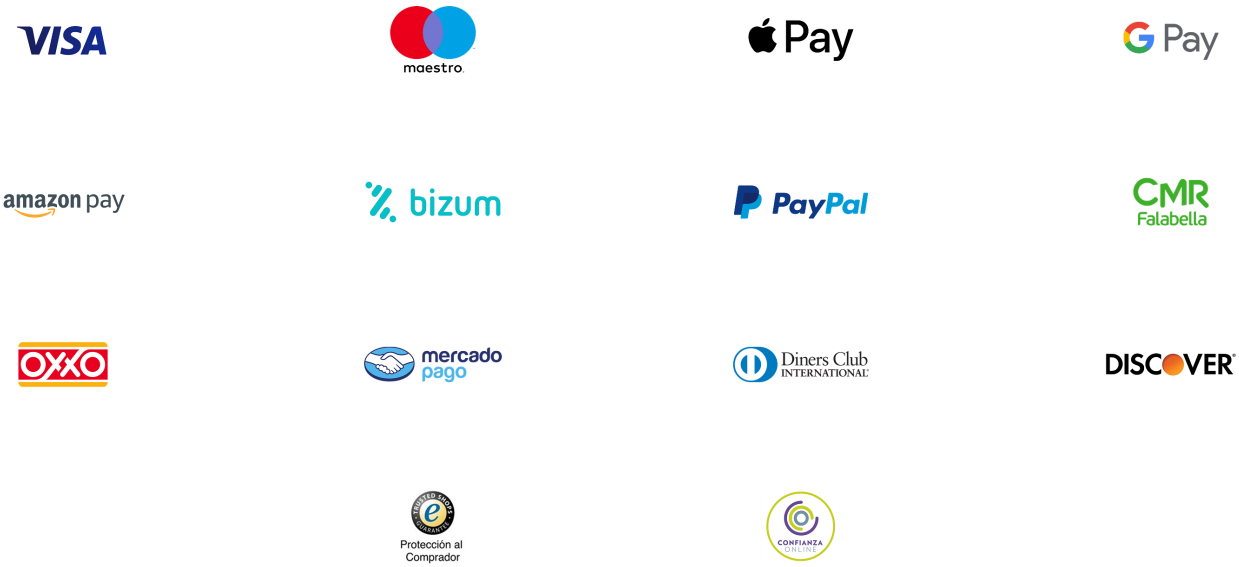
EDUCA EDTECH Group leads the digital revolution in education, promoting the continuous learning and technological transformation. The group is made up of recognized training institutions and its mission is to democratize access to education, promote the transfer of knowledge, technological development and research.

With the experience accumulated over more than 20 years, we have perfected our learning platform EDUCA LXP (Learning Experience Platform), the basis of our educational methodology, which provides students with online training practical and meaningful.



Discover all the payment facilities

We adapt to all international payment methods.



Funding and scholarships

Finance your course or master's degree and enjoy the available scholarships. Contact our expert team to know which one best suits your profile.

25%
Alumni Scholarship

15%
Scholarship recommended

20%
Functional Diversity Scholarship

20%
Unemployment scholarship

15%
GROUP Scholarship

20%
Scholarship for Professionals, Healthcare, members

15%
Entrepreneurship Scholarship

20%
Large Family Scholarship