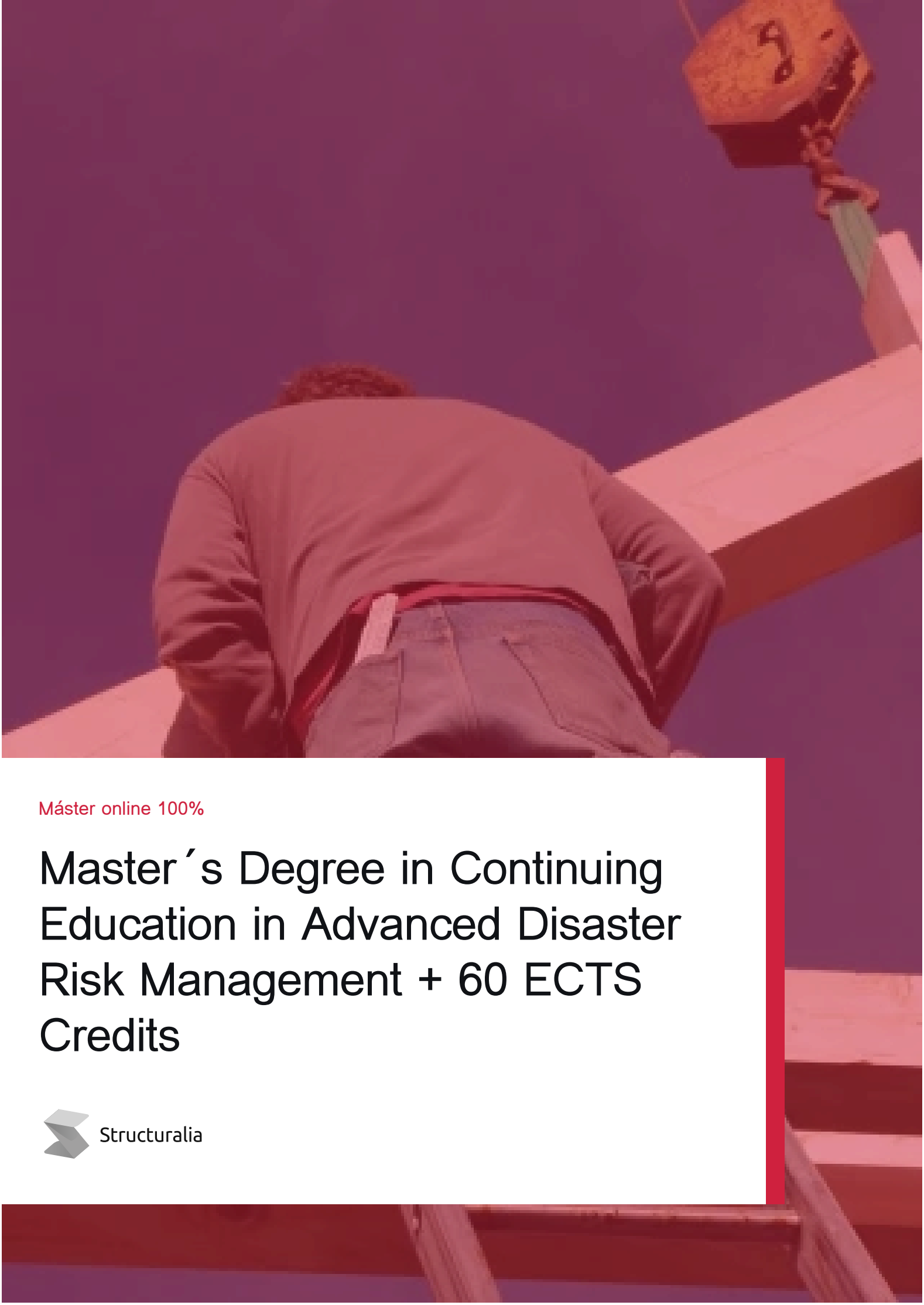


Máster online 100%

Master´s Degree in Continuing Education in Advanced Disaster Risk Management + 60 ECTS Credits

Structuralia

Máster online 100%

Master´s Degree in Continuing Education in Advanced Disaster Risk Management + 60 ECTS Credits

Modality
Online

Languages
Inglés

Duration
1500 hours (60 ECTS)

No Limit
AI Assistant

Educational Institutions

Structuralia Engineering eLearning

UCAM Universidad Católica de Murcia

Summary

The new era of change in which we live and the consequences that these changes bring with them and with the environment are the focus of study for this master's degree. The numerous updates to legislation and changes in regulations are advancing at a fast pace. Adapting to these changes is the key to success for both private companies and public administrations. With this master's degree you will have all the necessary tools to manage the risks derived from the different processes and adapt to the regulations in order to be able to manage future projects, diagnoses, evaluations or technical studies. This master's degree effectively brings together the knowledge necessary to integrate highly qualified professionals into the labor market in sustainable development management, risk management, and to respond to the impacts and damages that derive from incorrect management and lack of prevention, preparation and planning.

Agenda

MODULE 1. DISASTER AND EMERGENCY

1. DIDACTIC UNIT 1. RISK ANALYSIS

1. Risk analysis
2. Types of risk according to their origin
3. Processes that generate risk
4. Risk analysis and assessment with a comprehensive approach
5. Disaster risk and its effect on global poverty

2. DIDACTIC UNIT 2. DIFFERENT PERSPECTIVES OF DISASTER AND EMERGENCY

1. Study of earthquakes
2. The atmosphere and meteorological phenomena
3. Resilience in the framework of disaster risk management
4. Emergency response I
5. Emergency response II

3. DIDACTIC UNIT 3. HAZARDS AND STRESSORS THAT PROMOTE DISASTERS

1. Global warming and the ozone layer
2. Extreme natural events and their global rise
3. Emerging pollutants
4. Deforestation and biodiversity loss
5. Freshwater and ocean acidification

4. DIDACTIC UNIT 4. INTERNATIONAL INSTITUTIONAL EFFORTS TO ADDRESS CLIMATE CHANGE

1. Climate emergency and associated risks
2. Introduction to climate change management work proposed by the IPCC
3. IPCC special reports
4. Sendai framework for disaster risk reduction 2015-2030
5. Country engagement

MODULE 2. RISK AND DISASTER MANAGEMENT IN BIOGEOGRAPHIC REGIONS

1. DIDACTIC UNIT 1. BIOGEOGRAPHIC REGIONS OF THE NORTHERN HEMISPHERE AND THE TROPICS

1. Basic notions of biogeography and neotropical region
2. Paleartic biogeographic region
3. Neartic biogeographic region
4. Afrotropical biogeographic region
5. Natural disasters in the biogeographic regions of the northern hemisphere and tropics

2. DIDACTIC UNIT 2. BIOGEOGRAPHIC REGIONS OF THE SOUTHERN HEMISPHERE AND THE OCEAN

1. Australasian biogeographic region
2. Indomalayan eastern biogeographic region
3. Antarctic region
4. The world's oceans
5. Natural disasters in the biogeographic regions of the southern hemisphere and oceans

3. DIDACTIC UNIT 3. BIODIVERSITY, CLIMATE CHANGE AND REINTEGRATION OF NATURE

1. Ecological basis for biodiversity
2. Impact on biodiversity
3. The climate in crisis: scientific perspectives on climate change
4. Climate change and risk management through mitigation and adaptation
5. Managing climate and land use through political mechanisms

4. DIDACTIC UNIT 4. ECOSYSTEMS SERVICES AND CONSERVATION MECHANISMS

1. Ecosystem services
2. Mechanism for assessing ecosystem services
3. Biodiversity conservation
4. Ecosystem restoration and initiatives for the protection of ecosystems services
5. Risks and threats of climate change in protected natural areas

MODULE 3. LAND PLANNING AND DISASTER RISK MANAGEMENT ASSOCIATED WITH EARLY WARNING IDENTIFICATION

1. DIDACTIC UNIT 1. BASIC CONCEPTS OF TERRITORIAL PLANNING ASSOCIATED WITH RISK MANAGEMENT

1. Territory
2. Territorial planning
3. Territorial development planning
4. Notions of threat, vulnerability and risk
5. Disaster, hazard, exposure and uncertainty

2. DIDACTIC UNIT 2. DISASTER RISK MANAGEMENT

1. Historical evolution of disaster risk management: some considerations
2. What do we understand by disaster risk management?
3. Phases of disaster risk management
4. Disaster risk management and its linkage with spatial planning
5. Disaster risk management systems and their relationship with territorial development

3. DIDACTIC UNIT 3. TERRITORIAL DEVELOPMENT PLANNING IN DISASTER RISK MANAGEMENT

1. Approaches to disaster risk management planning
2. Planning for risk identification: threats and vulnerabilities
3. Planning for disaster risk reduction
4. Planning for disaster preparedness and financing strategies
5. Planning for resilient recovery

4. DIDACTIC UNIT 4. DISASTER RISK MANAGEMENT WITHIN SUSTAINABLE DEVELOPMENT PLANNING

1. sustainable development
2. Guidelines for disaster risk management and its relationship with sustainable development
3. Prevention and mitigation in sustainable development
4. Emergency response to risk management
5. Rehabilitation and construction

MODULE 4. CARBON CYCLE AND NEUTRALITY

MODULE 5. GEOSPATIAL TECHNOLOGIES. DATA PROCESSING IN DISASTER RISK MANAGEMENT

1. DIDACTIC UNIT 1. APPLICATION OF GIS AND GEOSPATIAL TECHNOLOGIES

1. GIS in disaster risk management
2. Geospatial technologies in disaster risk management
3. Remote sensing in natural hazard assessments
4. Satellite data acquisition, band combination, and image interpretation
5. Enhancement of geospatial data interpretation

2. DIDACTIC UNIT 2. METHODOLOGICAL CRITERIA FOR THE ELABORATION OF NATURAL HAZARD MAPS

1. Hazard mapping methodology
2. Methodology for the elaboration of vulnerability maps
3. Methodology for the elaboration and analysis of risk maps
4. Natural hazards maps and their relationship to spatial planning
5. Study and management of thematic data

3. DIDACTIC UNIT 3. MODELING THREATS

1. Hazard mapping methodology
2. Methodology for the elaboration of vulnerability maps
3. Methodology for the elaboration and analysis of risk maps
4. Natural hazards maps and their relationship to spatial planning
5. Study and management of thematic data

4. DIDACTIC UNIT 4. LAND PLANNING

1. Territorial planning figures
2. Territorial planning decision-making with risk management inputs
3. Documents, plans and programs for risk management in private institutions
4. Lessons learned in natural disaster management and its relationship with risk management
5. Territorial planning regulations (case studies)

MODULE 6. GEOPOLITICS. ENVIRONMENTAL EDUCATION

MODULE 7. CITIES AND ENERGY. SUSTAINABLE TRANSFORMATION OF ECONOMIC SECTORS

MODULE 8. WASTE MANAGEMENT AND QUALITY, ENVIRONMENT AND CIRCULARITY MANAGEMENT SYSTEMS

MODULE 9. CLIMATE CHANGES IN THE COMING DECADES

MODULE 10. MFP. MASTER'S DEGREE IN ADVANCED DISASTER RISK MANAGEMENT

Qualification

Master´s Degree in Continuing Education in Advanced Disaster Risk Management with 60 ECTS Credits awarded by the Catholic University of Murcia in collaboration with Structuralia

Objectives

- Address the scope and dimensions of disaster risk management tools.
- Address the current version of climate change and emergency.
- Identify regions of action and strategy for biodiversity 2030.
- Master potential risk management mechanisms and response instruments.
- Deepen the analysis of climate change impacts, mitigation and adaptation of resources.

What does it prepare you for?

Adapting to these changes is the key to success for both private companies and public administrations. With this master's degree you will have all the necessary tools to manage the risks derived from environmental and industrial processes, adaptation to regulations and management of future projects, diagnoses, evaluations or technical studies.

Who is it addressed to?

This degree is designed for profiles oriented towards conservation, ecosystem restoration, biological and environmental research branches, environmental science graduates, biology graduates, biodiversity-oriented studies, ecology, geology, territorial studies, geophysics, marine and oceanic sciences. Technical profiles with qualifications and vocation towards environmental sustainability, forestry engineering, forestry engineering, agricultural engineers, agronomists and environmental engineering graduates. Professionals with political-social and anthropogenic qualifications.

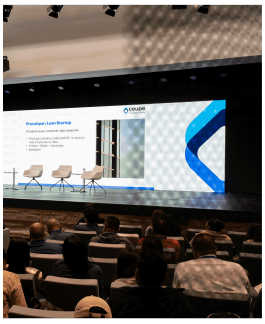
Official Character

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

- Disaster risk management, environment, climate change and sustainability directorate Disaster risk management, environment, climate change and sustainability manager Disaster Risk Management, Environment, Climate Change and Sustainability consultant Project manager disaster risk management, environment, climate change and sustainability Disaster risk management, environment, climate change and sustainability technician Consultant Consultant for climate change verification Environmental educator Consultant for International R&D&I Project Research personnel







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

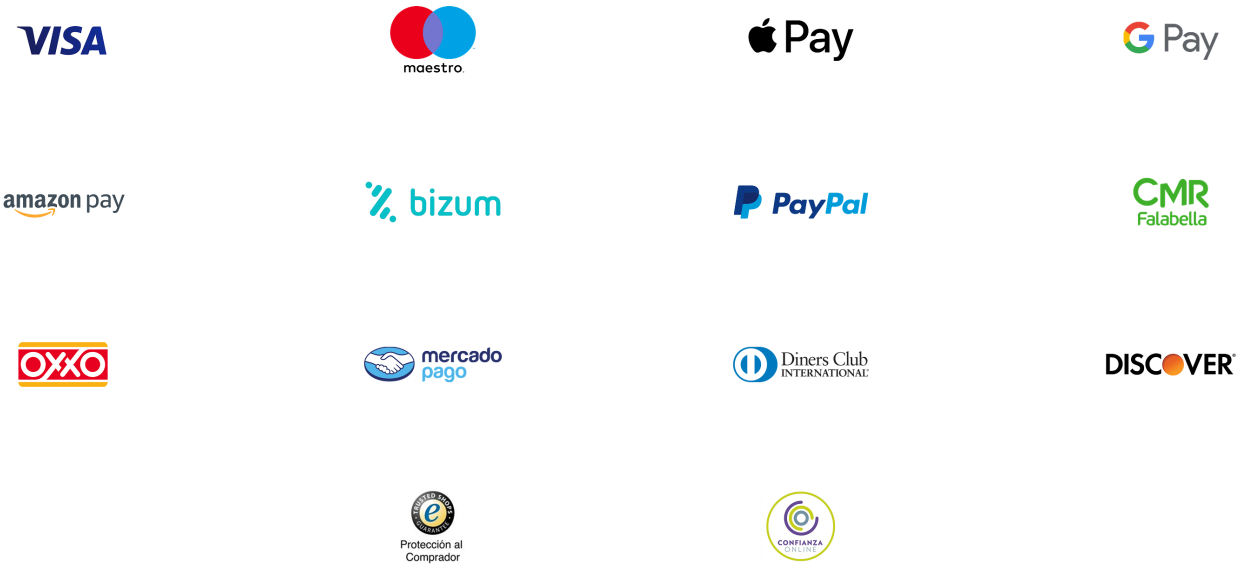
EDUCA EDTECH Group leads the digital revolution in education, promoting the continuous learning and technological transformation. The group is made up of recognized training institutions and its mission is to democratize access to education, promote the transfer of knowledge, technological development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