

Master's Degree in City Resilience Design and Management



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Universitat Internacional
de Catalunya
School of Architecture



This master's degree is an innovative and multidisciplinary education programme that teaches students how to operationalise the most urgent calls for building more resilient and sustainable cities. The one-year, intensive programme provides the most up-to-date perspectives, methods and tools for dealing with the threat of climate change, natural disasters and the social and technical transformations required to minimise the environmental impact of the current global urbanisation trends, while addressing social justice. The aim of this course is to address the urgent educational gaps in the way we teach and therefore understand the design and management of cities. Supported by the most prestigious international partners, associations, multilateral organisations, cities resilience offices and universities, this degree bridges disciplines, research and practice, enabling students and future professionals to work across traditional institutional silos.

Academic accreditation

Master's Degree in City Resilience Design and Management

Organising centre

School of Architecture,
UIC Barcelona, Barcelona Campus

Dates and times

- October to October (60 ECTS)
 - 1st semester: courses, Monday to Friday, 10 a.m. to 5 p.m., for 6 months (35 ECTS)
 - 2nd semester: Final Master's Project and Work Placement (25 ECTS)
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Information and admissions

uic.es/contact-details
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Objectives

- To provide students the multidisciplinary background, methods and perspectives necessary to design and manage integrated city resilience strategies.
- To create a bridge between specific resilience-related competences (technical tools for conducting socio-spatial analysis) and the real world complexity and practices of city resilience offices.
- To break the "silos mind-set" and turn students into professionals capable of working across silos, as part of an integrated team working to address the complexity of city challenges.

Academic teaching staff

Course directors

Dr Carmen Mendoza Arroyo and
Dr Lorenzo Chelleri

International academic teaching staff

Prof Daniel Uldrich,
Northeastern University, USA
Prof Marie-Christine Therrien,
ENAP Montreal
Prof Chris Zevenbergen,
UNESCO IHE
Prof Gina Ziervogel,
University of Cape Town, SA
Prof John Coaffee,
University of Warwick, UK
Prof Ayyoob Sharifi,
Global Carbon Project, Japan
Prof Lauren Rickards,
RMIT Melbourne
Prof Stephan Barthel,
Stockholm Resilience Centre
Prof Isabelle Anguelovski,
ICTA Barcelona
Timon McPhearson,
New York the New School
Niki Frantzeskaki,
DRIFT, Rotterdam

International agency teaching staff

Braulio Morera,
Rockefeller Foundation 100 Resilient Cities
Representative,
UN Habitat City Resilience Profiling Programme
Representative,
ICLEI Local Governments for Sustainability



Curriculum: 60 ECTS

This master's degree is divided into eight modules with a credit load of 35 ECTS, plus the work placement and master's degree project:

— Conceptual Framing	2 ECTS
— Built Environment Resilience	6 ECTS
— Resilience of Nature Based Solutions	2 ECTS
— Urban Services and Economic Resilience	3 ECTS
— Community Resilience	5 ECTS
— Urban Resilience Implementation Challenges	8 ECTS
— BCN City Resilience Lab	5 ECTS
— Tools and Technical Skills for Resilience	4 ECTS
— Final Master's Degree Project	5 ECTS
— Work Placement	20 ECTS

Reasons to study this master

International professors and a global multidisciplinary perspective

This master's degree has been framed and supported by the International Urban Resilience Research Network. The programme is taught by professors from some of the most prestigious universities and research centres dealing with urban resilience in different parts of the world.

Wide range of job opportunities

The programme is supported by the most prestigious foundations, networks and agencies dealing nowadays with city and community resilience. It includes a mandatory work placement period, which provides students the connections and work experience needed to ensure a successful and international career.

Addressing the world's most urgent city problems

This master's degree will prepare students to implement sustainability and resilience strategies, as defined in the United Nation's New Urban Agenda, the Sustainable Development Goals and the Sendai Framework for Disaster Risk Reduction, as well as other international framework agreements driving future urban development, in city resilience offices.

Partners

UN HABITAT
FOR A BETTER URBAN FUTURE

ICLEI
Local Governments for Sustainability

POWERED BY THE
ROCKEFELLER FOUNDATION

100 **RESILIENT CITIES**

Prospective students

This programme is mainly intended for urban, regional and environmental planners, architects looking for a comprehensive view of urban studies and cities, political scientists, social scientists, engineers and geographers. Though largely designed for young students, a limited number of practitioners already involved in managing urban risks may be accepted onto the programme. Thanks to the support from ICLEI, METROPOLIS, Rockefeller 100RC and UN Habitat CRPP, among others, not only will students have the opportunity to link up with city partners from these networks, but workers from these organisations may also have the chance to participate in these courses. Finally, the subjects studied in this course, just like the case studies, are global and will therefore be of interest to people from anywhere in the world.

Admission criteria

Applicants must hold a bachelor's degree (180 ECTS) in any field related to urban studies or have at least 2 years of experience performing tasks related to urban planning or management in any city administration.

Documents required to apply:

- An up-to-date copy of your CV.
- A motivation letter.
- A background in any discipline related to risk management, urbanisation challenges (demographic, engineering, planning or environmental management) or climate change.
- A Skype interview in English.

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barcelona
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Engage with URNet



The Urban Resilience Research Network is the most prestigious international network working on city resilience and sustainability research globally, counting with some 300 researchers from more than 40 countries .

urbanresilienceresearch.net



Studying in Barcelona

Start the most important learning experience of your life in one of the main European cities. Barcelona is a cultural and financial role model and a city where your knowledge can adapt to multiple professional opportunities.

UIC Barcelona, our campuses

Classes are held on our Barcelona campus and also our Sant Cugat campus, which has a total area of more than 35.000 m². Each Faculty has the best facilities and latest generation equipment for both theoretical and practical classes.

Find out more about the admissions procedure, reserving a place and enrolment here uic.es/en/studies. Click on uic.es/becas-masters to find out more about funding programmes, discounts and grants.



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