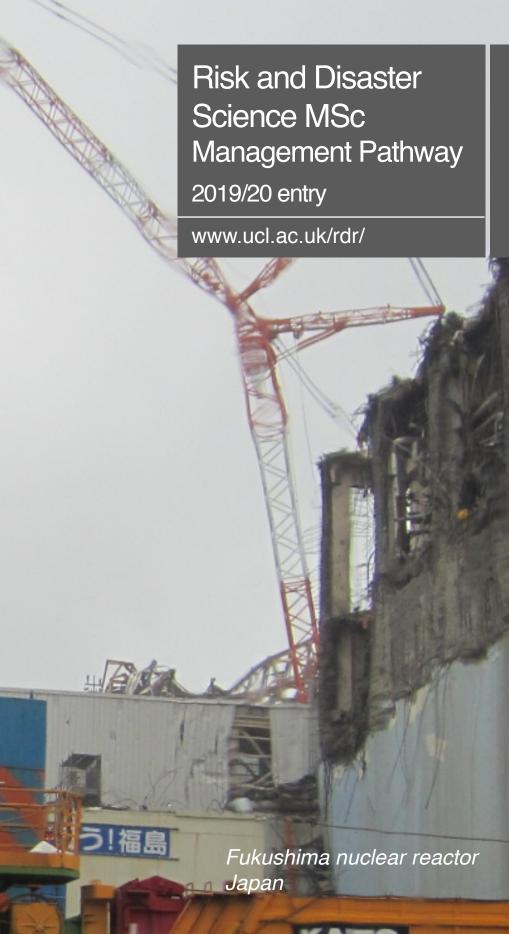
# LUCL





UCL Institute for Risk and Disaster Reduction



# Risk and Disaster Science MSc Management Pathway

Natural and anthropogenic hazards, humanitarian and health crises, conflict, and climate change create challenges for businesses and demand managerial skills to respond. This science-led programme with management pathway fills a business and organizational need for graduates with management skills and innovative approaches to increase resilience.

# Programme themes

#### **Disaster Management**

Managerial skills to face disasters and to reduce risks Entrepreneurial mind and innovative approaches to build resilience

Business continuity planning to manage real emergencies

#### Science of Earth and Space Hazards

Analyze different hazard risks: seismicity, space weather, epidemics, conflict and climate

Scenarios and case studies drawn globally to provide breadth of experience

#### **Quantifying Risk**

Components of risk: exposure, hazard, vulnerability Understanding Vulnerability Statistical and Modelling Tools

#### **Multidisciplinary Holistic Approaches**

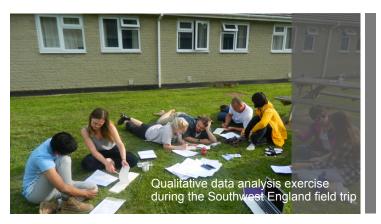
Integrating scientific knowledge into disaster risk reduction research, policy and practice Communicating with stakeholders

#### **Managing Disasters**

How to apply plans to manage real emergencies

# Teaching and learning

**Learn** from world-class researchers and professionals delivering the programme through a combination of lectures, class discussions, problem-solving exercises, practicals, field trips, directed reading, student-led dialogues, and a practitioner-led real-time disaster scenario event. **Assessment** is by individual and group presentations, coursework, written examinations and a research project.



# Why study at UCL-IRDR?

**UCL** is one of the world's leading universities, regularly featuring in the top 10 in global rankings.

The Institute for Risk and Disaster Reduction (IRDR), leads multidisciplinary research, knowledge exchange and advanced teaching across UCL.

School of Management ranked among the top 3 in the UK for Business and Management studies. It focuses on technology, innovation and entrepreneurship.

As a student, you will be able to attend the optional modules, to join the active seminar series, and to participate in the high-profile public discussion meetings of both IRDR and School of Management.

"London itself is an unparalleled breeding ground of ideas for anyone interested in research" (MSc student 2015/16).



#### Careers

Whether you wish to pursue a career in risk and disaster reduction or to start up your own enterprise, we are here to support you. We run an annual Careers and Opportunities Forum which offers expert and targeted advice, and hosts stalls from a range of employers and headhunters in the field of risk and disaster reduction. We support entrepreneurial initiatives by offering enterprise training and connecting students with resources available at UCL such as business mentors and start-up incubators. Students have chances to undertake their desertion projects with reputation organisations in the IRDR network such as London First and Resilience First. Graduates from this pathway will be highly employable in companies, governments, NGOs and around the world, equipped with a scientific understanding and management skills of risks and disasters reduction.

Some career destinations of recent IRDR graduates:

Business Continuity & Resilience Consultant, PwC Business Continuity Consultant, ARUP Underwriting Assistant, MS Amlin Catastrophe Analyst, Barbican Insurance Group Reinsurance Claims Management Executive AXA Global Re, Paris

Analyst, RMS (Risk Management Solutions)
Disaster Risk Management Consultant, World Bank
Project Officer, Global Risk Forum, Davos
Risk & Business Continuity Officer, County Fire & Rescue
Emergency Planning and Business Continuity Officer, UK
Local Government

# Programme structure

Modes of study: Full time: 1 year. Part time: 2 years Students take eight taught modules and an independent research project. Students in the pathway are able to select up to 2 optional modules form the UCL School of Management.

A Postgraduate Diploma comprising eight taught modules can be taken full-time or part-time over two years.

For further information see www.ucl.ac.uk/rdr/



Two compulsory core taught modules (15 credits each)  1 Integrating Science into Risk and Disaster Reduction  Quantitative risk assessment Risk transfer & communication  Command procedures Warning and evacuation  Command procedures Warning and evacuation  Communicative risk assessment Risk transfer & communication  Command procedures Warning and evacuation  Communicative risk assessment Risk transfer & communication  Command procedures Warning and evacuation  Command procedures  Warning and evacuation  Command procedures Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Command procedures  Warning and evacuation  Paralles  Paralles  Paralles  Paralles  Pareacric  1 Project administration Risk management Project administrati	Degree Programme Modules				
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All optional modules are subject to availability and particular modules may not be possible in any given year	Business lifecycle	Business operation	Project administration	Risk management	
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Independent project (60 credits)					

The independent research project culminates in a 10,000 to 12,000 word dissertation and poster presentation. Projects may be field, theory or modelling based and can be conducted in collaboration with external partners including industry, international research organizations or NGOs.

#### Field studies and group working

Current field visits include: the Thames Barrier and disaster management; Cambridge flood hazard; a disaster scenario exercise with NGO Rescue Global; the Blacknest Seismological Observatory; the Met Office; Southwest England for integrated group projects covering hazard mapping, vulnerability assessment, and critical infrastructure assessment, with Hinkley Point nuclear power station as an example.

**IRDR Programmes:** 

Risk, Disaster and Resilience MSc

Risk and Disaster Science MSc

Risk and Disaster Science MSc Management Pathway

Space Risks and Disaster Reduction MSc

Risk and Disaster Reduction MRes

Risk and Disaster Reduction PhD

### **Admissions Contact**

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# MSc Risk and Disaster Science Management Pathway Key information Programme starts

September 2019

**Modes and duration** 

Full time: 1 year Part time: 2 years

**Tuition fees (2019/20)** 

UK/EU: £11,060 (FT) £5,500 (PT)
Overseas: £24,250 (FT) £12,110 (PT)

**Scholarships** 

UCL offers a selection of scholarships for supporting postgraduate studies. Details of funding opportunities can be found at: <a href="www.ucl.ac.uk/scholarships">www.ucl.ac.uk/scholarships</a>. Further advice and programme-specific scholarships information can be obtained from the Masters Programmes section of the IRDR website.

Application dates

Open: 15 October 2018 Close: 26 July 2019

Note on fees: The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information can be viewed on the UCL Current Students website

#### **Entry requirements**

Normally a minimum of an upper second-class UK Bachelor's degree in a relevant discipline or an overseas qualification of an equivalent standard. Relevant discipline is any science including social sciences, management science or any humanities subject.

#### **Mathematics requirements**

Mathematical or quantitative methods taken in science, engineering, economics or management is sufficient.

#### **English language requirements**

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The English language level for this programme is: **Standard** Further information can be found on our website.

#### International students

Country-specific information, including details of when UCL representatives are visiting your part of the world, can be obtained from the UCL International Students website.

