

Istanbul Technical University - Master's Degree in Emergency Management

After 1999 Earthquake the Government of Turkey signed a memorandum of understanding (MoU) with the U.S. FEMA for project ACHIEVE (**A Cooperative Hazard Impact Reduction Effort via Education**).

The Istanbul Technical University, following the establishment of its Center of Excellence for Disaster Management in 2001, initiated the Disaster and Emergency Management Non-Thesis Graduate Program taught in English, to educate qualified emergency managers ready for every stage of integrated emergency management in emergency and disaster cases, with support from the Federal Emergency Management Agency (FEMA) in 2002 and contributions of Oklahoma State and Texas A&M Universities. The name of this program has been updated as the Disaster Management Non-Thesis Graduate Program after the first graduates, in order to fit to the present needs.

The specific mission of the Disaster Management Non-Thesis Graduate Program, which is conducted in a multi-disciplinary approach, is to create an educated human resource potential in the field of disaster management for our country, which is frequently subjected to man-made or natural disasters; to lead to the establishment of the "Emergency Manager" profession and to contribute to the development of the Turkish terminology in disaster management.

The Non-Thesis Graduate Program is designed for local and central government agencies, military, public utilities, private and public sectors, information services, human resources and security, transportation agencies, medical institutions, tourism, hotel and sports facilities, non-governmental organizations, risk managers, and consulting agencies.

Within the scope of this mission, it is aimed to graduate professionals who have knowledge on natural and technological disasters and their resulting physical conditions; who are qualified to take effective role in preparation, reduction of damage and intervention; prior to, during and after the disaster in a way to minimize the environmental impacts as well as life and property losses; who can be effective not only limited to scientific, technical and technological basis but also social, economical and communicative aspects; who can work individually or collectively in the field of emergency and disaster management, and who have the self-confidence to work in every part of the globe.

Research topics

- Fundamentals of disaster and emergency management
- Legal dimensions of disaster and emergency management
- Social and economical dimensions of disaster
- Risk evaluation
- Fundamentals and applications of damage reduction
- Industrial risk management
- Environmental problems in disaster management
- Disaster information systems
- Disaster and emergency management financing and budgeting

Admission Requirements:

A Bachelor's Degree (BA or BSc in any field)

English Proficiency (TOEFL Score of 183, or Proof of English Language knowledge through the KPDS, UDS, or ITU English Proficiency Exam)

Program is limited to 25 students

The structure of this Program is as follows:

- Non-thesis graduate program
- 4 quarters
- 36 credit hours (3 credits/course: 6 core courses + 4 elective courses)
- Graduate Project/Internship

Curriculum:

Fall Semester Compulsary

Principles of Disaster and Emergency Management	3
Principles and Practices of Hazards Mitigation	3
Principles of Risk Management	3
Social Dimensions of Disasters	3

Fall Semester Elective

Crisis Management, Disaster Recovery and Business Continuity	3
Fire Risks and Management	3
Individual and Community Disaster Education	3
Decision Making and Communication Skills in Emergency Management	3
Building Disaster Resilient Communities	3
Tourism and Emergency Management	3

Spring Semester Compulsary

Policies in Disaster Management	3
Disaster Response Operations and Management	3
Research and Analysis Methods in Emergency Management	3

Spring Semester Elective

Post-Disaster Needs Assessment in Disaster Management	3
Environmental Hazards and Emergency Management	3
Emergency Management Technology	3
Gender-based Disaster Management	3
Earthquake Hazard Management	3
Hydrometeorological Disasters	3

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