



International Labour Office



International Training Centre



UNIVERSITÀ  
DEGLI STUDI  
DI TORINO



# Master in Occupational safety and health, 6<sup>th</sup> edition

4 September 2017 – 30 September 2018



International Training Centre



## Rationale

Public and private sector organizations throughout the world are increasingly concerned with improving occupational safety and health (OSH). In both developed and developing countries, the rapid pace of technological change, combined with the persistence of unsafe and environmentally threatening working conditions, has served to focus attention on the need to create a safe, healthy working environment and to promote a coherent safety culture in the workplace. Organizations increasingly seek OSH professionals who can catalyse these processes, and it is not always easy to find professionals with the right skills.

Becoming a safety and health professional requires multidisciplinary training. The OSH profession calls for a broad-based educational background combined with specialized knowledge in physical sciences (medicine, physics, chemistry and engineering) and social sciences (behaviour, motivation and communication), together with the principles and concepts of management.

Accordingly, the University of Turin, Italy, in partnership with the International Training Centre of the International Labour Organization (ITCILO), is offering a Master course in Occupational Safety and Health. This one-year programme, to be held in English, includes an Internet-based distance learning phase, a face-to-face residential period on the ITCILO's campus in Turin, followed by another distance phase for the preparation of the dissertation.

The proposed programme combines the advantages of the academic experience of Turin University in OSH with the ITCILO's international training experience. An international approach has been applied to the contents and the methodology development, as well as to the composition of the training team.

This programme is addressed to participants of both developing and developed countries, who will thus have an opportunity to share their different and valuable experiences. Furthermore, it also offers a range of learning situations in which participants can enhance their analytical and problem solving skills.

OSH professionals need a multidisciplinary background to successfully operate in the broad field of OSH, therefore the programme incorporates training sessions on all of the topics and disciplines relevant to OSH. The training focuses not only on OSH issues but also on the development of organizational, managerial and interpersonal skills. Study visits to 13 different productive settings are planned in order to offer direct interaction with experts in the field.



## Objectives

### General objective

- Develop the required competences for effectively managing the safety and health

### Specific objectives

At the end of the master programme, participants will be able to:

- Organize the efforts of an enterprise to improve its OSH.
- Formulate, implement and evaluate a safety and health management system for an enterprise, incorporating essential OSH concepts and fundamental techniques of OSH management.
- Manage the resources to conduct all prevention activities that are required in an OSH management system.
- Advise employers and workers on the OSH technical requirements of OSH and on the decisions to be made for an adequate management of the OSH.



## Participants Profile and Requirements

### Participants' profile

The course has been specifically designed for hygienists, physicians, chemists, engineers, inspectors, practitioners and officers with a university degree but without previous

specialization in OSH, who are working, or wish to work, as OSH specialists.

## Participants' requirements

The following are essential for admission to this programme:

- A first university degree (BA) of minimum three years' duration\*;
- A working knowledge of spoken and written English;
- The ability to use and access a computer with Internet.



## Contents, Methodology and Resources

The Master course will have three phases, one consisting of 18 weeks of on-line distance learning, another consisting of 11 weeks of residential training at the ITCILO campus in Turin, Italy and a final distance phase of 23 weeks for the preparation of the dissertation.

### 1st Phase: Preparatory Internet-based distance learning (550 hours).

This phase includes 370 hours for self-studying and exercises and 180 hours for preparing and submitting the assessments. Participants will have access to an on-line platform through which they will learn in an individual way. They will receive support from tutors with expertise in the subject matter; participate in a forum, use the documentation centre, and network.

Participants will be introduced to the fundamentals and basic concepts of OSH through the following eight modules:

- Module A1: Introduction to Occupational Safety and Health
- Module A2: Occupational Safety
- Module A3: Occupational Hygiene
- Module A4: Occupational Medicine
- Module A5: Occupational Psychosociology and Ergonomics

- Module A6: Organization of OSH at the National Level
- Module A7: Participatory Approaches for the Improvement of Working Conditions
- Module A8: Organization of OSH at the Enterprise Level

This phase is preparatory. It will enable participants with different levels and fields of knowledge to reach an adequate and homogeneous level in order to take advantage of the residential phase.

### 2nd Phase: Residential phase of Turin (550 hours).

This phase will include classroom training (315 hours), study visits to selected enterprises and related training sessions (125 hours), and 110 hours of assessment.

Instructors will use lectures, discussions, exercises and other interactive learning activities to strike a balance between theory and practice and to stimulate discussion among the participants and professors. A practical approach based on the analysis and resolution of OSH issues will be taken.

The contents are split into 11 topics (one for each week). The modules in this phase are:

- Module 1: Safety Techniques
- Module 2: Management Competences
- Module 3: Major Hazard Control
- Module 4: OSH Management Systems
- Module 5: Physical Agents
- Module 6: Occupational Hygiene Techniques
- Module 7: Occupational Toxicology and Medicine
- Module 8: Ergonomics
- Module 9: Psychosocial Factors and Health Promotion
- Module 10: Teaching Skills
- Module 11: Organization and Management

\*VERY IMPORTANT: The validity of non-Italian degrees must be recognized under Italian law and regulations.

### 3rd Phase: Preparation of Master thesis (400 hours).

Participants will work individually in their country for the preparation of their Master thesis, assisted at distance by tutors and professors with OSH expertise.

### Study Visits

Technical visits to industries and other productive sectors will provide the opportunity for discussion with professionals in OSH management in various environments. Training sessions will also provide additional detailed explanations of risks and preventive measures adopted in the 13 enterprises from the different sectors visited.

### Documentation

Participants will receive follow-up documentation with which to expand their knowledge of the topics. A bibliography and links section will be incorporated into the virtual platform for the distance learning phase.



### Faculty

The teaching team will be selected for its professional experience and subject knowledge. It will consist of academic resource persons and OSH practitioners::

- Senior professors from the University of Turin and other renowned universities;
- OSH experts from the ILO and other organizations;
- OSH specialists from enterprises;
- Specialist tutors who will support and interact with the participants throughout the programme



### Diploma

A first level Master diploma from the University of Turin (60 certified university credits) will be awarded to those participants who fulfil all following conditions:

- Satisfy the administrative and documentary requirements of the University of Turin;
- Satisfy the attendance requirements. (Attendance at all training sessions during the residential phase is compulsory. Only participants with at least 95% attendance of training sessions will be entitled to apply for the diploma);
- Submit the assignments within the set deadline and maintaining the quality requirements;
- Pass the prescribed examinations demonstrating the level of competence required by the scientific committee\*\*.



### Conditions of participation

#### Language, duration and venue

The programme will be held in English and will last around one year with the following timetable:

- Distance learning: from 4 September 2017 to 5 January 2018;
- Residential phase: from 8 January to 23 March 2018;
- Distance: preparation and submission of the thesis. The dissertation is to be completed before the end of August 2018.

The residential phase of the programme will be held at the campus of the ITCILO in Turin, Italy.

\*\*Participants who do not satisfy the mentioned conditions will receive a certificate of attendance.

## Training cost

The training cost in the Master course is Euro 8,150 payable in advance by the participant or his/her sponsoring organization. It includes:

- Tuition fees;
- Training materials and books;
- Transport during the study visits;
- Use of training facilities and support services.

Accommodation and international and local transport for the period in Turin are not included in the cost of participation.

## Accommodation and subsistence cost

The ITCILO campus has residential and catering facilities.

The cost of accommodation and subsistence in the residential and catering facilities on the ITCILO campus is Euro 4,470 payable in advance by the participant or his/her sponsoring organization. It includes

- Accommodation in a single room, laundry service and full board (a daily credit of 15 Euro for lunch and dinner) on the ITCILO Campus during the residential phase of 11 weeks;
- The use of the facilities for recreation and sports at the Centre's campus; and,
- Routine medical care and insurance.

## Applications

People interested in participating in this master course should complete and submit the application form on-line available on the website:

<http://intranetp.itcilo.org/STF/A9710347/en>

Additionally to the application form, ITCILO should receive (attached in the application form, by fax or by e-mail) a written communication of the sponsor indicating its agreement to finance the costs of participation of the candidate in the course. In case the candidate self-finance his/her participation, please send a signed written communication indicating it.



## Deadline for application:

31 May 2017

### **VERY IMPORTANT:**

Before you apply for this master course, please make sure that you match the participants' profile, fulfil the participation's requirements and that you have the support of a sponsor.

## Eligibility criteria

The selection of participants for this programme will be made by a selection committee consisting of ITC/ILO and Turin University representatives. The selection committee shall place no restrictions on the eligibility of men and women to participate, under conditions of equality, in the programme.

The selection criteria will include academic and professional qualifications, experience, organization of origin, country of origin, and gender balance.

The course will not take place with fewer than 18 participants. The maximum number of participants will be 35.

## Payment, cancellation and refund policy

The ITCILO's payment, cancellation and refund policy can be consulted on the following website:

<http://www.itcilo.org/en/training-offer/how-to-apply>



## The ILO Turin Centre's facilities

Located in Turin, the city of the 2006 Winter Olympic Games, in an attractive park on the banks of the River Po, the Centre's campus provides a congenial environment in which to live and study.

It contains 21 pavilions with fully equipped modern classrooms, conference halls and meeting rooms fitted out for multilingual simultaneous interpretation, a computer laboratory, and a computerized documentation centre linked to various data banks.

The campus has 210 single fully serviced bedrooms, 66 double bedrooms and 12 suites, each with private bathroom, telephone, 24h free internet access and flat screen television. It also has:

- a reception desk open 24 hours a day
- a restaurant, a self-service canteen and a coffee lounge, all catering for international dietary needs
- a bank
- a travel agency
- a laundry service
- a post office
- two gyms
- facilities for outdoor sports (football and tennis)
- a medical service

Social events are regularly held both on and off campus, so that participants from different cultural backgrounds can make the most of a stimulating international environment.

**For further information and any request  
please contact us at**

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