



MASTER

HEALTH AND SAFETY

# MASTER IN OCCUPATIONAL SAFETY AND HEALTH

10<sup>TH</sup> EDITION

6 SEPTEMBER 2021 – 30 SEPTEMBER 2022

ONLINE (E-CAMPUS): 6 SEPTEMBER 2021 – 14 JANUARY 2022

TURIN, ITALY: 17 JANUARY – 1 APRIL 2022

ONLINE (E-CAMPUS): 4 APRIL – 30 SEPTEMBER 2022

# MASTER IN OCCUPATIONAL SAFETY AND HEALTH

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ONLINE

**ITCILO E-CAMPUS**  
6 SEPTEMBER 2021 –  
14 JANUARY 2022

4 APRIL –  
30 SEPTEMBER 2022



FACE-TO-FACE

**TURIN, ITALY**  
17 JANUARY – 1 APRIL 2022



LANGUAGES

**ENGLISH**



APPLICATION DEADLINE

**31 MAY 2021**

## 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.

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## OBJECTIVES

### GENERAL OBJECTIVE

Develop the required competences for effectively managing safety and health in the workplace.

### 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<sup>1</sup>;
- 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 19 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 26 weeks for the preparation of the dissertation.

### MODERN METHODS

Learn by doing, through case studies, workshops, and group exercises

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### INSPIRING DISCUSSIONS

Exchange ideas with international students and faculty

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### HIGH-LEVEL RESOURCES

Engage with experts from the ILO and other international organizations

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<sup>1</sup> VERY IMPORTANT: The validity of non-Italian degrees must be recognized under Italian law and regulations.

## 1<sup>st</sup> 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.

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## 2<sup>nd</sup> 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
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## 3<sup>rd</sup> 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.

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## 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

### SCIENTIFIC COMMITTEE

- Prof. Enrico Pira, Professor, University of Turin, Faculty of Medicine and Surgery, Department of Sciences of Public Health and Pediatrics
- Prof. Alessandro Massé, Associate Professor, University of Turin, Faculty of Medicine and Surgery, Department of Surgical Sciences
- Prof. Enrico Bergamaschi, Associate professor, University of Turin, Faculty of Medicine and Surgery, Department of Sciences of Public Health and Pediatrics
- Prof. Mario Patrucco, former Professor, Polytechnic University of Turin, Department of Environment, Land and Infrastructure Engineering, ITC ILO consultant
- Mr. Giuseppe Casale, Deputy Director, International Training Centre of the ILO
- Mr. Félix Martín Daza, Senior Programme Officer, Social Protection Programme, International Training Centre of the ILO

### RESOURCE PERSONS

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<sup>2</sup>.

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<sup>2</sup> Participants who do not satisfy the mentioned conditions will receive a certificate of attendance.

# 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 6 September 2021 to 14 January 2022.
- Residential phase in Turin, Italy from 17 January to 1 April 2022.
- Distance: Preparation and submission of the thesis from 4 April to 31 August 2022.

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

## TRAINING COST

The training cost in the Master course is **Euro 8,500** 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 COST

For those participants interested in the accommodation in the facilities on the ITCILO campus during the residential phase of the Master, the cost is Euro 4,235 payable in advance by the participant or his/her sponsoring organization. It includes:

- Accommodation in a single room, breakfast and laundry service 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 applying to this master course should complete and submit:

- The application form online available on the website:  
<https://oarf2.itcilo.org/STF/A9713703/en>
- A signed written communication of the sponsor (or, of the candidate in case of self-funding) indicating explicitly its commitment to finance the costs of participation of the candidate in the course
- Copy of your University Degree diploma
- Copy of the academic transcript of your diploma.

In case of an emergency situation or of *force majeure*, ITCILO, upon agreement with the other partner institutions, might decide to reconvert the residential phase of the Master into online lessons and exams.

# DEADLINE FOR APPLICATION

31 May 2021

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## **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.

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## **ELIGIBILITY CRITERIA**

The selection of participants for this programme will be made by a selection committee consisting of ITCILO 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: <https://www.itcilo.org/applications-payments-cancellation>



SCAN THE QR CODE  
OR VISIT

[bit.ly/3obtn23](https://bit.ly/3obtn23)

# CAMPUS LIFE

## A THRIVING UNITED NATIONS CAMPUS AND COMMUNITY OF PROFESSIONAL PEOPLE FROM AROUND THE WORLD

- **Three organizations** from the United Nations system on campus
- **More than 300 training courses** and activities in a stimulating international environment
- **Thousands of participants** from all over the world

## ENVIRONMENT AND SURROUNDINGS

### Grab a campus bicycle and explore the Turin Centre.

Located in a leafy park on the banks of the Po River, it's a great place for study and collaboration. Experience innovative learning and training methods in modern classrooms equipped with simultaneous translation services.

## HOUSING, DINING, AND MORE

Comprising more than 280 private dormitories, the **Turin Campus provides a broad range of services for course participants and partners** including a free-flow restaurant, bank, travel agency, laundromat, post office, gym, medical services and a reception desk open 24/7.

## COMMUNITY ENGAGEMENT AND DIVERSITY

**Participants can enjoy social events organized by the Turin Centre** as well as by their course facilitators.

Whether on or off campus, people from different cultural backgrounds have the opportunity to listen to live music together, cook and share traditional foods, or team up to play games and network.

## WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course: No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course: Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course: Penalty of 100% of course price.

# INFO

## FOR FURTHER INFORMATION PLEASE CONTACT

### International Training Centre of the ILO

Programme on Social Protection,  
Governance and Tripartism  
Viale Maestri del Lavoro, 10  
10127 Turin – Italy

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