



MASTER

INNOVATION FOR DEVELOPMENT

MASTER IN TECHNOLOGY AND PUBLIC POLICY

23 JANUARY – 31 DECEMBER 2023
TURIN, ITALY

MASTER IN TECHNOLOGY AND PUBLIC POLICY



PLACE
TURIN, ITALY



DATES
**23 JANUARY –
31 DECEMBER 2023**



COLLABORATIVE LEARNING
ONLINE RESOURCES



LANGUAGES
ENGLISH



APPLICATION DEADLINE
9 DECEMBER 2022

OVERVIEW

SNAPSHOT OF THE MASTER

In a technology-driven era of ever-changing patterns where the relentless pace of innovation creates a wealth of future global challenges, there is a strong need to adapt public policy and decision-making processes to the new technological scenarios, to shape a sustainable future from an economic, social and environmental perspective.

In order to deal with the challenges in the horizon posed by technological change, the International Training Centre of the ILO (ITC-ILC), under the auspices of the Turin School of Development (TSD) and in partnership with the leading technical university Politecnico di Torino, is offering this Master in Technology and Public Policy.

The Master consists of one distance-learning and four classroom-taught modules. Throughout the learning journey participants will examine the current main technological innovation trajectories, understand their economic and social impact at various levels (e.g. employment, poverty and social cohesion, environment) and understand the role of public policy in order to assess and design policy interventions in response to issues arising from the diffusion of innovation

Participants will acquire a combination of science, technical and policy analysis tools, techniques and skills to recognise and anticipate change while responding to complex situations in their respective relevant fields. The Master will therefore increase skills and employability of attendants in fields like public administration bodies, political parties, strategic advisory, trade unions, departments of institutional relations and public affairs of large enterprises, etc.

Through a unique combination of science, technical and policy analysis tools, techniques and skills, this Master's course has a twofold objective: to provide the expertise and competences needed to understand technological innovation and the consequent challenges it poses, and to train actors who can steer and govern this innovation through public policy.

CONTENTS AND OBJECTIVES

WHAT TOPICS DOES THIS MASTER COVER?

- Technological innovation, digital transformation and Artificial Intelligence revolution;
- Public policy design and production for new technological scenarios and social challenges;
- Policy impact evaluation;
- Sustainable transitions through socio-technical system shifts;
- Economics of innovation, employment and labour markets;
- Public policy design and project management.

WHAT WILL I LEARN?

On successful completion of the Master, participants will be able to:

- Understand the main features of technological innovation as applied to different economic sectors and in different technical fields such as digitalization, energy, mobility systems, aerospace, cultural heritage, agriculture;
- Discern the processes and stages of public policy production in different institutional contexts;
- Critically analyse the impact of technological change and innovation on both economy and society;
- Recognize and interpret the social, economic, legal and cultural preconditions related to technological development;
- Analyse the links between technological change and public policy in all the various contexts that technological innovations can shape;
- Assess existing or new public policy interventions in response to social, economic, legal and environmental issues arising from the use of new technologies;
- Design public policy responses to targeted questions in different technological and institutional contexts at a country-based level, with an aim to promote sustainable value creation through technological innovation;
- Identify the new economic and social challenges posed globally by innovation and digitalization and transform them into new opportunities for all.

PARTICIPANTS' PROFILE

WHO ATTENDS THIS MASTER?

The Master is intended for:

- Officials working in public administration and international organizations in the fields of economic, technological, industrial and social policy;
- Experts in public affairs departments of technology companies;
- Practitioners in the field of industrial and employment relations from both private and public sector;
- Trade Union's officials and employers' organizations officials;
- Policy analysts at national or international think tanks, financial institutions, research departments of banks and insurance companies;
- Young graduates who intend to pursue a career in public administration, international organizations and non-governmental organizations involved in cooperation and development;
- Young graduates who intend to pursue a career in strategy and policy consultancy firms;
- Young graduates who intend to pursue careers in leading technology companies.

INNOVATIVE METHODOLOGY

Enjoy experiential learning through case studies, workshops, active visits to research centres and labs, group-works and policy laboratories

STIMULATING DISCUSSION

Exchange ideas and knowledge with an international faculty

HIGH-LEVEL RESOURCES

Engage with experts from the ILO and the ITCILO, officials from other international organizations, practitioners and academia from Politecnico di Torino and other international universities



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OR VISIT

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METHODOLOGY

The Master programme is a one-year intensive blended-learning offering, consisting of one distance-learning and four classroom-taught modules. In order to minimize disruption of the participants' ongoing job obligations at home, full classroom attendance is mandatory for only four months of the programme in a synchronous and/or in person.

The Master merges theoretical and practical learning methodologies that are designed to engage and motivate students. The unique learning path offered by this programme ensures an extraordinary transfer of knowledge and practical competences with a multidisciplinary and applied approach.

Participants interact with their environment through a hands-on learning experience, which includes case studies, workshops, active visits to research centres and labs, group-works and policy laboratories.

FACULTY

In line with the training approach of the Turin School of Development, during the Master course, participants will have the opportunity to interact with and learn from an international faculty. Resource persons are selected based on their professional experience and subject matter expertise. They consist of:

- Experts from the ILO and the ITCILO;
- Officials from the UN system and other international organizations;
- Practitioners of the subject matter;
- Academia and leading researchers from Politecnico di Torino and other international universities.

DEGREE

The Master is delivered as a First level Master's Degree by the Politecnico di Torino (60 certified university credits) according to the Italian Qualifications Framework. The Master degree will be awarded to the participants who fulfill the following conditions:

- Administrative requirements and documents requested by the Politecnico di Torino;
- Submission of the assignments within the set deadlines and quality requirements;
- Successful passing of all exams demonstrating the level of competence required;
- Submissions of the final project within the set deadline and quality requirements.

STRUCTURE AND CONTENT

This one-year Master programme is intensive by design. It combines three phases: distance learning module, face-to-face component and preparation of the final thesis.

PHASE 1: DISTANCE LEARNING MODULE

From 23 January to 5 March 2023

Participants will learn and practice on their own time having access to an e-platform. They will receive support from a tutoring service with expertise in the subject matter and exchange views with other participants.

Topics covered will be:

- Sustainable Development;
- The challenges posed by the technological innovation process and the ILO perspectives on the future of work;
- Research Design and Project Management.

PHASE 2: FACE-TO-FACE

From 6 March to 16 July 2023

This phase is the core-learning component of the Master. Participants will learn and practice through live classes held by an international faculty.

This phase will be structured in two different components:

1: AT A DISTANCE

From 6 March to 23 April 2023

Classes will be held online and participants will be requested to follow the lectures in synchronous mode (live via Zoom).

Topics covered will include:

- Socioeconomic and political impact of technology;
- Policy impact evaluation;
- Innovation management;
- Ethical dilemmas in the use of technology;
- Digital transformation, platform economy and the future of work;
- Perception, understanding and social construction of technology.

2: RESIDENTIAL PHASE (ON ITCILO CAMPUS)

From 1 May to 16 July 2023

Classes will be held in presence at the ITCILO Campus in Turin.

Topics covered will include:

- Policymaking process and public policy debates;
- Industrial policy and Industry 4.0/5.0;
- The geopolitics and economics of technology and production: Global value chains;
- The Production Dilemmas Of Automating, Offshoring and Reshoring;
- Project and impact finance;
- Space Economy;
- Technology for energy transformation, climate transition, circular economy, sustainable mobility and sustainable agriculture;
- Technology for health inclusiveness and disability: e-healthcare, silver economy, housing and home automation for inclusion;
- (Social) Media and democracy;
- AI, big data and algorithmic regulation and decision-making process;
- Digitalization of public administration, data access and security;
- AI, blockchain and industrial relations;
- Data Access, Global Inequalities and Migration;
- Active visits to technology labs and research centres of Politecnico di Torino (ESA BIC space economy centre, CIM 4.0 Competence Center, Healthcare Technology Innovation Park, Hub AI@Polito).

PHASE 3: FINAL THESIS

From 17 July to 31 December 2023

Finalization and delivery of an original written project on a topic related to technology and public policy as final thesis through home-based research. The project should be based on a specific economic, social or environmental challenge and testable at the country or community level. Tutors will provide guidance throughout the whole phase.

FEES AND APPLICATION

TUITION FEE

The tuition fee is Euro 9,000. The fee includes:

- Programme development and management;
- Teaching equipment, training materials and documentation;
- Use of training facilities and support services.

Board, lodging, travel expenses, transports and personal expenses for the period in Turin are not included in the cost of participation.

PARTIAL SCHOLARSHIPS

A limited number of partial scholarships is available, on a competitive basis, for students from developing countries. Participants who wish to apply for a partial scholarship, are required to specify it on the application form.

The selection criteria for the award of partial scholarships will include academic and professional qualifications, organization, country of origin and gender balance.

MINIMUM ENTRY REQUIREMENTS

- A first university degree (Bachelor's degree) of minimum three years duration;
- Good working knowledge of spoken and written English;
- Ability to use computers and have access to the internet.

If your degree(s) was awarded by a non-Italian University or by a private Italian University you must submit the official transcript(s) of records, issued by the University of origin, produced on letter-headed paper, containing the full list of all the exams passed, the grades obtained, the graduation final grade and the date of degree conferral. Please note: only documents in English or in Italian will be accepted.

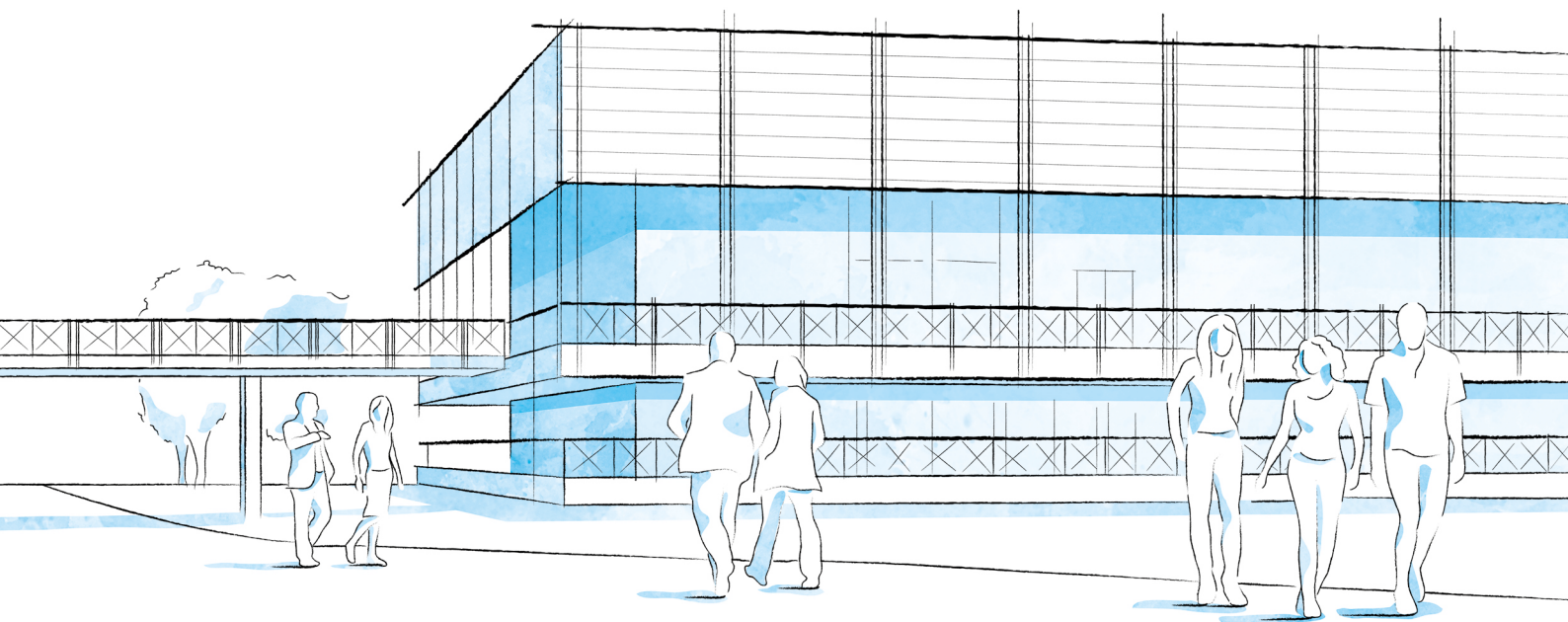
APPLICATION AND DEADLINE

Applications should be made through the following link: <https://oarf2.itcilo.org/MSTF/A9715955/en>

Last application deadline: **9 December 2022.**

PAYMENT, CANCELLATION AND REFUND POLICY

The ITCILO's payment, cancellation and refund policy can be consulted on the following website:
www.itcilo.org/turin-school-of-development/admission



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.

INFO

FOR FURTHER INFORMATION PLEASE CONTACT

International Training Centre of the ILO

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