DIPARTIMENTO DI INGEGNERIA CIVILE E AMBIENTALE

Admission requirements

The Master is open to candidates who have a Master of Science in Civil or Environmental Engineering. For foreign applicants, the master is open to students holding equivalent qualifications.

Application

The application form and the documentation can be found on the master course website

www.mastertunnelling.polimi.it

oppure http://www.poliedra.polimi.it/formazione/

and must be sent to

POLIEDRA Via G. Colombo 40 20133 MILANO (MI) Telefono: +39 02 23992900 Fax: +39 02 23992911 formazione-poliedra@polimi.it

before the 1 st of December 2020.

Selections

The selections will start in December 2020 and will be made by the master commission, on the basis of the qualifications and experiences inferred from the curriculum presented and on the basis of an interview in order to evaluate the skills and motivations of the candidates.

For further information please visit the website

www.mastertunnelling.polimi.it

or contact the secretariat:

Administrative secretary Prof.ssa Annalisa Minutillo Tel: 0223992925 formazione-poliedra@polimi.it

Teaching support master-tunnelling-dica@polimi.it

Fees

The Master costs \in 7,000.00, divided as follows: Contribution for the enrolment – \in 500.00 Master tuition fees – \in 6,500.00

Endorsment





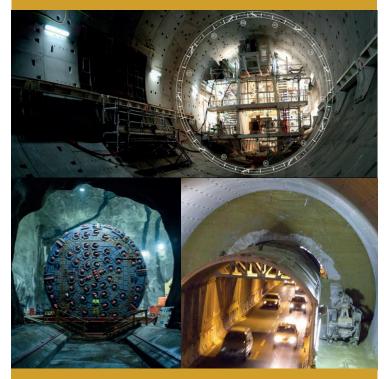
POLITECNICO MILANO 1863

II Level Master in Tunnel Engineering

2021/2022

- III edition -

Director: Prof. Claudio di Prisco



www.mastertunnelling.polimi.it

PRESENTATION

Contents

As is testified by the number of kilometers of tunnels constructed every year all around the world, tunnelling is a rapidly expanding sector on a global scale. In this context, suitably trained professionals, with multidisciplinary knowledges are in largely demanded. At the moment, these skills are not provided by the traditional academic courses and cannot be easily acquired during the professional experience. The master course in "Tunnel Engineering", supported by many companies operating in the tunnelling sector, is conceived as a high specializing course, aimed at providing multidisciplinary skills, by defining a complete and articulated framework of all the necessary contents to prepare professionals with operational capabilities in design, construction and project management. Academics teachers and professional, operating both at a national and an international level, will tackle different engineering, technological, organizational, environmental, economical, legislative, strategic, managerial themes.

Career opportunities

The master will give the possibility of getting in touch with academic teachers, professionals and managers. The course aims not only at providing an internationally recognized academic title but also at creating a centre of excellence on tunnel engineering, where the different professionals are capable of interpreting and managing the complexity of the problems and becoming active and innovative actors in the research of new engineering solutions as well as capable of assuming position of responsibility in project management. The career opportunities can be identified in companies of design, construction, manufacturers of materials and technologies, machine producers. infrastructure managements.

The 2nd level "Master in Tunnel Engineering" has been activated at the Department of Civil and Environmental Engineering (www.dica.polimi.it).

The School of reference is the School of Civil Environmental and Land Management Engineering of Politecnico di Milano (www.ingcat.polimi.it).

The Master Director is Professor Claudio di Prisco.

The Master Commission consists of professors and professionals operting in the tunneling sector: Prof. Claudio di Prisco – POLIMI Prof. Marco di Prisco – POLIMI Prof. Pietro Lunardi – ROCKSOIL Prof. Federico Perotti – POLIMI Prof. Jean Sulem – ECOLE DES PONTS. PARIS Ing. Carlo Silvestri – LOMBARDI Prof. Umberto Perego – POLIMI Prof. Alberto Guadagnini – POLIMI Prof. Maurizio Crispino – POLIMI Ing. Massimo Lodico – Astaldi Prof. Daniele Peila – POLITO Dott. Davide Grassi – BASF Prof. Mauro Mancini – POLIMI Ing. Giovanni Canetta - CEAS

Organizing commettee

Dr. Irene Redaelli Dr. Luca Flessati Prof. Claudio di Prisco

Duration 12 months (1st Mar 2021-28th Feb 2022) Language English Format Full time Commitment From Monday to Friday Max partecipants 20 ECTS 60 Venue Politecnico di Milano. Campus Leonardo

Master Organization

The master is conceived as a transversal and multidisciplinary course in which theoretical lessons (online), specialist subjects, case studies, technical visits and internships are integrated. The master is a full time course lasting one year. During the first six months the students will attend theoretical lessons, seminars and will take part in technical visits in laboratories and construction sites. During the following six months the students will have the opportunity of participating in internships/projects in different companies, under the supervision of professors and professionals operating in the tunneling sectors. All participants will have access to the course material, in English, that will be uploaded on an online platform and will remain available until the final exam.

Theoretical online lessons	360h (Mar 2021-Jul 2021)
Individual study	1100h
Internship	480h (Sep 2021-Jan 2022)
Technical visits	40h
Project work	120h

Coordinators

Prof. Lausa Scesi – POLIMI Prof. Sebastiano Foti - POLITO Prof. Carlo De Michele - POLIMI Prof.Claudio di Prisco – POLIMI Prof. Federico Perotti – POLIMI Prof. Emilio Bilotta – UNINA Prof. Riccardo Castellanza – UNIMIB Prof. Marco di Prisco – POLIMI Prof. Pietro Gambarova – POLIMI Prof. Fabio Inzoli – POLIMI Prof. Daniele Peila – POLITO Ing. Giovanna Cassani - ROCKSOIL Prof. Riccardo Barzaghi - POLIMI Prof. Maddalena Carsana – POLIMI Ing. Alberto Selleri – AUTOSTRADE PER L'ITALIA Prof. Maurizio Crispino - POLIMI Prof. Lorenzo Domenichini – UNIFI Prof. Mauro Mancini – POLIMI Prof. Marco Giorgino - POLIMI