

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

and must be sent to

POLIEDRA
Via G. Colombo 40
20133 MILANO (MI)
Telefono: +39 02 23992900
Fax: +39 02 23992911

before the 13th of February 2017.

Selections

The selections will start on the 14th of February 2017 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:

Federica Lamberti
Via G. Colombo 40
20131 Milano (MI)
Tel: 0223992932
Fax: 0223992901

formazione-poliedra@polimi.it

Fees

The Master costs € 6,000.00, divided as follows:
Contribution for the enrolment – € 500.00
Master tuition fees – € 5,500.00
Financial aids are available.

Tuition fees and contributions may be paid in two instalments:

1st instalment: € 3,000.00 within 10 days of notification of admission

2nd instalment: € 3,000.00 by the 1st June 2017

Bank account:

Account holder: Poliedra
IBAN: IT27D0335901600100000008723
c/o Banca Prossima,
PIAZZA P. FERRARI 10
20121 MILANO (MI)

Sponsors



We create chemistry



Patronage



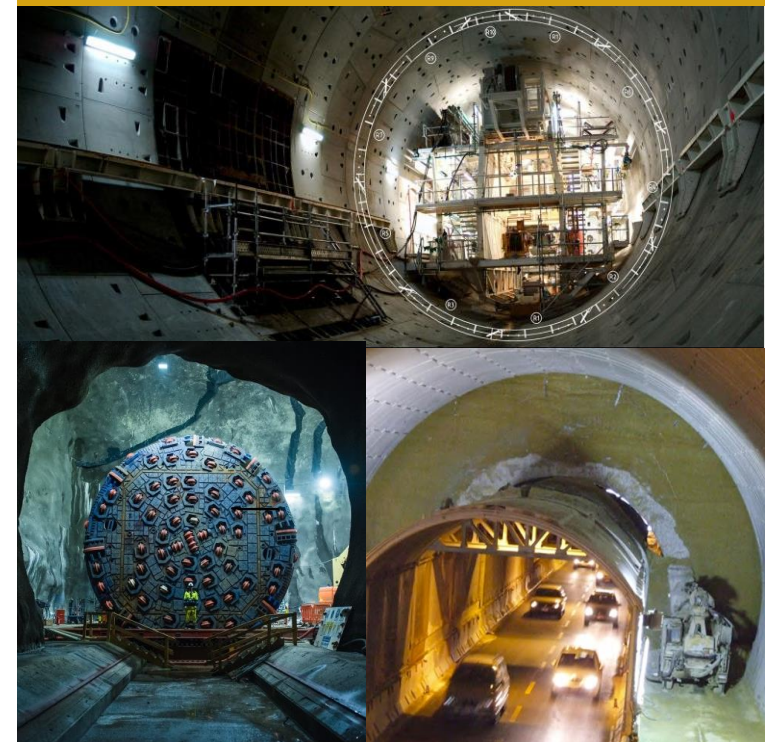
POLITECNICO
MILANO 1863

II Level Master in Tunnel Engineering

2017/2018

-I edition -

Director: Prof. Claudio di Prisco



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 course is **delivered by** POLIEDRA- Politecnico di Milano (www.poliedra.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 operating in the tunnelling sector:

Prof. Claudio di Prisco – POLIMI

Prof. Marco di Prisco – POLIMI

Ing. Pompeo Levanto – BASF

Prof. Pietro Lunardi – ROCKSOIL

Prof. Umberto Perego – POLIMI

Prof. Federico Perotti – POLIMI

Ing. Roberto Persio – AUTOSTRADE PER L'ITALIA

Prof. Gianpaolo Rosati – POLIMI

Prof. Jean Sulem – ECOLE DES PONTS, PARIGI

Ing. Carlo Silvestri – LOMBARDI

Duration	12 months (1 st Mar 2017 – 28 th Feb 2018)
Language	English
Format	Full time
Committment	From Monday to Friday
Max participants	20
ECTS	60
Venue	Politecnico di Milano, Campus Leonardo

Certification

After completing the course and passing the final exam, the 2nd level (specializing) master in “Tunnel Engineering” certification will be issued in English, with the achievement of 60 ECTS.

Master Organization

The master is conceived as a transversal and multidisciplinary course in which theoretical lessons, 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 tunnelling 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 lessons	360 h (Mar 2017 – Jun 2017)
Individual study	1100 h
Internship	480 h (Sep 2017 – Jan 2018)
Technical visits	40 h
Project work	120 h

Coordinators

Prof. Lausa Scesi – POLIMI

Prof. Sebastiano Foti – POLITO

Prof. Giovanni Battista Crosta – UNIMIB

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

Ing. Alberto Selleri – AUTOSTRADE PER L'ITALIA

Prof. Maurizio Crispino – POLIMI

Prof. Luca Bertolini – POLIMI

Prof. Lorenzo Domenichini – UNIFI

Prof. Mauro Mancini – POLIMI

Prof. Marco Giorgino – POLIMI