

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 20131 MILANO (MI)
Telefono: +39 022399290 Fax: +390223992911
Mail: formazione-poliedra@polimi.it

Before the 13^o of February 2019.

Selections

The selections will start in February 2019 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

Administrative secretary:

Fabiana Musi
formazione-poliedra@polimi.it

Support:

Leonora Tedeschi
master-tunnelling-dica@polimi.it

•Fees

- The Master costs € 6,000.00, divided as follows:
- Contribution for the enrolment – € 500.00
- Master tuition fees – € 5,500.00

Sponsors



We create chemistry



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MACCAFERRI



Patronages



Società Italiana Gallerie
Italian Tunnelling Society



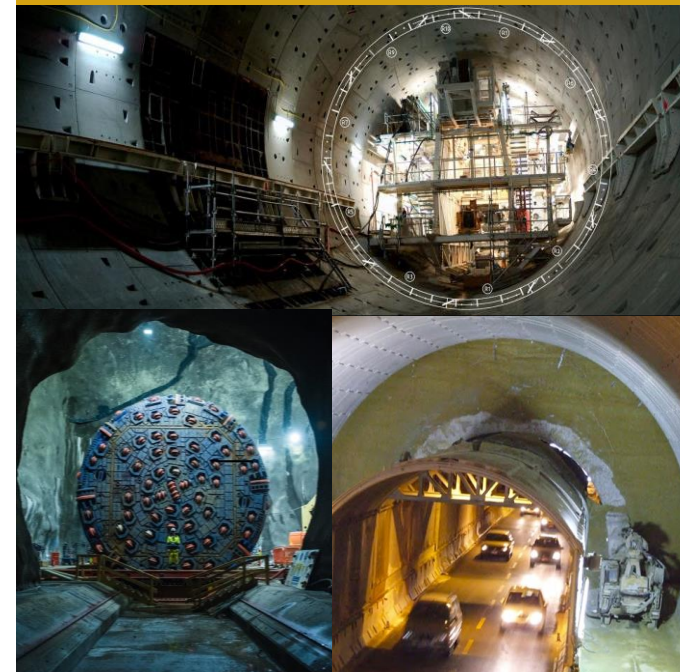
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Il Level Master in Tunnel Engineering

2019/2020

- II 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.

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.

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 operating in the tunneling sector:

Prof. Claudio di Prisco – POLIMI

Prof. Marco di Prisco – POLIMI

Dott. Davide Grassi – BASF

Prof. Pietro Lunardi – ROCKSOIL

Prof. Umberto Perego – POLIMI

Prof. Federico Perotti – POLIMI

Prof. Maurizio Crispino - POLIMI

Ing. Roberto Persio – AUTOSTRADE PER L'ITALIA

Prof. Alberto Guadagnini– POLIMI

Prof. Jean Sulem – ECOLE DES PONTS, PARIGI

Prof. Daniele Peila – POLITO

Ing. Massimo Lodico - Astaldi

Ing. Carlo Silvestri – LOMBARDI

Organizing committee:

Dr Irene Redaelli

Dr. Luca Flessati

Prof. Claudio di Prisco

Duration 12 months
(1st Mar 2019 – 28th Feb 2020)

Language English

Format Full time

Committment 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, 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 lessons	360 h (Mar 2019 – Jun 2019)
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Individual study	1100 h
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Internship	480 h (Sep 2019 – Jan 2020)
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Technical visits	40 h
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Project work	120 h
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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. Franco Quillico – POLIMI