BACHELOR AND MASTER OF SCIENCE IN MANAGEMENT ENGINEERING
Politecnico di Milano is one of the most outstanding universities in the world, ranked 16th in the World, 6th in Europe, and 1st in Italy according to the QS World University Ranking by Subject - Engineering & Technology 2019. Founded in 1863, it is the largest school of Architecture, Design and Engineering in Italy, with 2 main campuses located in Milan, the heart of fashion and design industries, and 5 campuses located within the Lombardy region, one of the most industrialized areas of Europe. Many important scientists and architects studied and taught here; among them Achille Castiglioni, Gio Ponti, Renzo Piano and Aldo Rossi - both Pritzker Prize winners, in 1990 and 1998 respectively - and Giulio Natta, who was awarded the Nobel Prize for Chemistry in 1963.

Politecnico di Milano is organized into 12 Departments, responsible for planning the research strategies, and 4 Schools, responsible for organizing and delivering education, 2 of them covering the fields of Engineering, 1 focused on Architecture, Urban Planning and Construction Engineering, and 1 devoted to Design.

Thanks to a strong internationalization policy, several study programmes are taught entirely in English, attracting an ever-increasing number of talented international students, now forming a diverse community from over 100 countries. In the 2017/2018 Academic Year, 28% of the students enrolled in Master of Science Programmes were international.

Inter and multidisciplinary approaches are fostered throughout the academic career, in particular at the PhD School and the ASP (Alta Scuola Politecnica), a school for young talents from all over the world, who develop their skills in a team work context to pursue complex innovation projects. Teaching is closely related to research, a key commitment that enables to achieve results that reach high international standards, while creating connections with the business world.

Strategic research is carried out mainly in the fields of energy, transport, planning, management, design, mathematics and natural and applied sciences, ICT, built environment, cultural heritage, with more than 250 laboratories, including a Wind Tunnel (unique in the world for configuration and features), a Crash Test Centre, PoliFAB (the University’s lab for micro and nano production) and PoliFactory, a laboratory where new design processes are developed.
The School of Management was established formally in 2003 and it groups together MIP (the Graduate School of Business founded in 1979) and DIG (Department of Management, Economics and Industrial Engineering - Dipartimento di Ingegneria Gestionale), established in 1990, and it groups together all research and education activities in the field of management.

The School of Management has three main features:

- An essential focus on the themes of innovation, change and digital strategy to support and guide the business
- Inescapable attention is placed on the rational, scientific and quantitative approach typical of the engineering mindset
- Continuous research with an interdisciplinary approach in research and teaching, thanks to the exploitation of the skills and professionalism of the Politecnico di Milano ecosystem

OUR VALUES
The School of Management shares its founding values with its University

INTEGRITY
Faculty members, staff, students and our partners act in full respect of the law, rules and practices. Illegal and unethical behaviour must be rejected under all circumstances.

RESPECT
We expect faculty members, staff, students and our partners to show full respect for other people’s needs, the environment and society. Respect is a prerequisite for valuing and supporting an international environment in which diversities of gender, culture, beliefs, personalities, political ideas and backgrounds positively influence one another.

EXPERTISE
Research and education must both relate strongly to the economy and the corporate world in order to support an effective transfer of knowledge to the community.

ACCREDITATIONS & RANKINGS

Executive Education Ranking 2019
European Business School Ranking 2018
Master in Management Ranking 2018

QS World University Rankings 2018 Best B-Schools
The modern world has seen the development of complex systems, with a strong interaction between technical, economic, and organisational aspects, fostering the need of a new professional figure that stays at the intersection of these aspects and manages them in an innovative way. This role has been more and more taken up by engineers who enriched their abilities with strong managerial competences, leading the rise of a new breed of professionals: the manager-engineers. Blending a strong scientific knowledge and approach, with a deep managerial competence, Politecnico di Milano has been able to translate formally into a degree course the realisation of this emerging professional figure that has evolved naturally throughout the industrialised world.

The Management Engineering Programme is structured in a three years Bachelor degree, and a two years Master of Science degree.

Management Engineers work in all types of industries and sectors and cover a wide-reaching range of activities, such as designing and managing production and logistics systems, strategic planning, business organisation and management, economics, planning and managing technology and innovation, internationalization processes, management control systems, corporate and market finance, economics and management of companies in regulated sectors and network services, large-scale project planning and management, internet applications and ICT management.

DEGREE IN MANAGEMENT ENGINEERING

The experience at Politecnico helped me to develop strong competences both from a technical and from a managerial perspective. It gave me the tools to think strategically and deal with the changes that are taking place in the world. I think this is very important for the new generations of engineers and it is one of the aspects I always search for when I interview new candidates. I feel this can make the difference in the current competitive context. Gioia Ferrario

HR Director Italy, Greece & Turkey, Boston Consulting Group

4 Degree in Management Engineering
The Bachelor of Science in Management Engineering produces a professional figure with a solid background. The first year has a strong component of scientific disciplines and introduces some engineering and economic disciplines. In the second year, modelling skills are studied in detail, digital engineering skills are provided, and the business structure and its operational activities are analysed. In the third year, students can deepen an engineering discipline of their choice, and deal with management, organizational and industrial dynamics, with special emphasis on data analysis. Moreover, an overview on the macroeconomic context is provided. The educational programme ends with an internship in a company or a laboratory project, which allow students to apply in real contexts the models and methods learned during the course.

Subject to an evaluation of their curriculum, graduates in Management Engineering can continue their studies in the Master of Science in Management Engineering. Graduates may also choose other Master of Science programmes or 1st-level Specialising Masters.

ASSESSMENT CENTER

Third-year students have the possibility to assess their behavioural skills in the Assessment Center, managed by Politecnico di Milano Career Service and run by professional assessors. By performing activities such as working groups on case studies and individual interviews, each student has the opportunity to learn more about his/her strengths and areas for improvement, such as decision making and problem solving skills, as well as communication and leadership skills, and to receive individual feedback.
KEY FACTS

- **FORMAT**: 3 years - full time
- **LANGUAGE**: Italian
- **ECTS**: 180
- **SELECTION PROCEDURE**: by admission test with a limit on the maximum number of students
- **INTAKE**: Yearly - September
- **FOR FURTHER INFORMATION**: www.som.polimi.it/en/course/bachelor/

SELECTION PROCESS

*(average data related to the last three years, from 2016/17 to 2018/19)*

- **2,169 STUDENT APPLICATIONS**
- **761 ENROLLED STUDENTS**
BACHELOR STRUCTURE

<table>
<thead>
<tr>
<th>1st YEAR</th>
<th>2nd YEAR</th>
<th>3rd YEAR</th>
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<tbody>
<tr>
<td>45 ECTS</td>
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<td>SCIENTIFIC DISCIPLINES</td>
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<td>ENGINEERING DISCIPLINES</td>
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<td>5 ECTS</td>
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<td>ECONOMIC AND MANAGEMENT DISCIPLINES</td>
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<tr>
<td>10 ECTS</td>
<td>10 ECTS</td>
<td>FINAL PROJECT</td>
</tr>
</tbody>
</table>

Selection for MSc

MSc Management Engineering
Other MSc
Work
The Master of Science in Management Engineering aims at training engineering professionals that are ready to meet today's business challenges with innovative solutions. This programme offers the opportunity to really integrate high-level management skills with in-depth technical competences, to enable students to deal with complex systems in many different areas (for example, production, logistics, supply chain management, accounting, finance, economics, innovation, internationalization, technology management).

**FORMAT**
2 years - Full-time

**LANGUAGE**
English

**ECTS**
120

**APPLICATION DEADLINE**
Every year different calls for applications are opened for prospective students willing to apply to the Politecnico di Milano Master of Science programmes. Calls for applications may differ according to the semester of interest or to the student's nationality:
> https://www.polimi.it/en/international-prospective-students/laurea-magistrale-programmes-equivalent-to-master-of-science/application-procedures/
> www.poliorientami.polimi.it/

**INTAKE**
Twice a year (September - February)

**FEES**
For EU students, fees are based on students' family income and on the study plan presented, and range from about €895 to €3,898 per year. For Non-EU students fees amount to about €3,898 per year

**FOR FURTHER INFORMATION**
www.som.polimi.it/en/course/master-of-science/

**SELECTION PROCEDURE**
Students will be selected based on their previous academic curriculum
Management Engineering is inherently multidisciplinary and students attending this programme have the opportunity of choosing among a broad range of courses, based on different teaching methods ranging from theoretical lectures, practical sessions, case studies, project works, and laboratories. A vital part of the learning experience consists in the involvement of students in real projects with corporations, SMEs, public bodies or non-profit organisations, where they can apply the skills, methods, and knowledge acquired through the courses.

The Master’s Degree is held in the Milan campus.

SELECTION PROCESS
(average data related to the last three years, from 2016/17 to 2018/19)

1,889 STUDENT APPLICATIONS

153 FOREIGN STUDENTS ENROLLED

730 STUDENTS ENROLLED

577 ITALIAN STUDENTS ENROLLED

Maria Alejandra De la Cruz Ospino
Industrial Engineer, Pirelli Tyre S.p.A.

When I decided to study at Politecnico di Milano my main motivation was learning the best practices of a World-Class country in manufacturing and of one of the best technical universities in Europe. Today, one year after my graduation, I am proud and satisfied of being a Polimi Alumna, since it taught me how to think strategically when managing any process within the company.
It was the perfect complement to my bachelor studies and it opened the doors for me to working for Pirelli, one of the worldwide leading tyre manufactures.
The Master of Science in Management Engineering is a **two-year programme** comprising a total of 120 ECTS. The first year provides a common knowledge basis that constitutes the foundation of the Master of Science programme. The second year is articulated into **nine tracks** dealing with different specialized disciplines. Furthermore, some free choice courses are available to give students the possibility of receiving a multidisciplinary and customised education. At the end of each track, students have the opportunity to engage in special projects (**practice-based labs**) developed in collaboration with different companies which simulate the working environment and allow to tackle real challenges.

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### MASTER STRUCTURE

<table>
<thead>
<tr>
<th>1st YEAR</th>
<th>2nd YEAR SPECIALIZATION TRACKS</th>
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<tr>
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<tr>
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<td>LEADERSHIP AND INNOVATION</td>
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<tr>
<td>STRATEGY &amp; MARKETING</td>
<td>STRATEGY &amp; MARKETING</td>
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<td>ACCOUNTING FINANCE &amp; CONTROL</td>
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<tr>
<td>BUSINESS AND INDUSTRIAL ECONOMICS + 2 OUT OF 4</td>
<td>BUSINESS AND INDUSTRIAL ECONOMICS + 2 OUT OF 4</td>
</tr>
<tr>
<td>Quality Data Analysis Operations Management Logistics Management Industrial Technology</td>
<td>Quality Data Analysis Operations Management Logistics Management Industrial Technology</td>
</tr>
<tr>
<td>3 OUT OF 4</td>
<td>2 OUT OF 4</td>
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Free selection of courses for a multidisciplinary and customized programme

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<thead>
<tr>
<th>10 ECTS</th>
<th>35 ECTS</th>
<th>15 ECTS</th>
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<tbody>
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<td>SUSTAINABLE OPERATIONS AND SOCIAL INNOVATION</td>
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<td>SUPPLY CHAIN MANAGEMENT</td>
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<tr>
<td>ENERGY &amp; ENVIRONMENTAL MANAGEMENT</td>
<td>ENERGY &amp; ENVIRONMENTAL MANAGEMENT</td>
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<tr>
<td>DESIGN MANAGEMENT, INNOVATION AND ENTREPRENEURSHIP</td>
<td>DESIGN MANAGEMENT, INNOVATION AND ENTREPRENEURSHIP</td>
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</tr>
<tr>
<td>DIGITAL BUSINESS AND MARKET INNOVATION</td>
<td>DIGITAL BUSINESS AND MARKET INNOVATION</td>
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<td>INTERNATIONAL BUSINESS</td>
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<td>FINANCE</td>
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Master Thesis
MENTORSHIP PROGRAMME

The objective of the Mentorship Programme is to offer to a few selected Master of Science students a very high added-value experience by participating in some activities that will foster their professional and personal development, and their academic career. The Programme is for students enrolled in the second year of the MSc.

The offer is based on four key pillars:

1. **Meet Managers:**
   Networking meetings with valuable managers in the industrial context and some Faculty members, focused on hot relevant topics not necessarily covered within the curricular courses.

2. **Senior Mentorship:**
   Every selected student will be assigned a senior alumnus/a with a relevant working experience in order to be guided in professional choices after graduation according to her/his personal aspirations.

3. **Civic Responsibility:**
   A constructive dialogue with some political institutions (or similar entities) in order to let students understand that they have a relevant and positive impact on society far beyond their professional career.

4. **Active Learning:**
   Direct involvement in education support/tutoring activities at the Bachelor level, having thus the opportunity to further consolidate their knowledge and try to act as tutors/mentors.
POK (Polimi Open Knowledge) is the MOOCs portal (Massive Online Open Courses) providing online courses, free and open to everybody. The main objective of the portal is to support the students, not only from Politecnico di Milano, in crucial stages of their educational and professional career: from high school to university, from bachelor to master degree, from university to the workplace.

Courses are open to everybody: it is sufficient to register to the portal to access videos, contents, activities and self-assessment tests.

Several MOOCs are designed specifically for Management Engineering students, both at the Bachelor and the Master of Science levels, and are available in English and Italian. Some of these include Fundamentals (Organization, Economics, Operations, Strategy, Financial and Management Accounting) from the series Introduction to Management Engineering, designed to introduce prospect master students and people interested in managerial disciplines to the key fundamentals of Management Engineering. Other courses are dedicated to Methodology (Survey Research, Case Study), etc.

The technology platform is a customization of Open-EDX, the open source platform released by EDX - the initiative resulting from a joint venture between MIT and Harvard.

Discover active MOOCs connecting to the website: www.pok.polimi.it
INTERNAL DOUBLE DEGREES

The Internal Double Degrees are joint programmes designed in collaboration with other Study Programmes of Politecnico di Milano with the aim to provide further skills, related to other subjects, to the management engineer, in order to develop new professional profiles able to meet the challenges and new opportunities in some specific sectors.

SOME EXAMPLES OF THESE DOUBLE DEGREES ARE:

Double Degree in Management Engineering and Product-Service System Design

The Double Degree in Management Engineering and Product-Service System Design aims at developing a new professional figure that is highly specialized in the fields of design and management, strategy development and innovative business models. Students that undertake this double degree programme will develop competencies that go beyond product design to embrace the entire product-service-communication chain, with a special focus on services and complex systems of values for people and for businesses, joining the capability to conceive and visualize business models and to create value and lead the innovation process.

Double Degree in Built Environment and Management Engineering

The Double Degree in Built Environment and Management Engineering aims to meet the new challenges related to the building sector, at national and international level, by developing new professional profiles that put together the typical skills of management engineering with those of the built management.

Double Degree in Energy and Management Engineering

The Double Degree in Energy and Management Engineering aims to develop new highly specialized professionals in the field of energy and management in order to face the continuous global demand for energy due to current economic growth.

To support and speed up this change of the energy sector, a new generation of industrial engineers and managers is needed, new professional profiles able to transform the potentials of new technologies into consolidated industrial processes where knowledge and technical and managerial skills are perfectly mixed together and, therefore, well equipped to face some of the most relevant challenges.

In this context, the students who decide to undertake this Double Degree Programme will have the opportunity to develop in an integrated way the typical skills of Management, Economics and Industrial Engineering with those that specifically concern the Energy Engineer.

The updated list of programmes that start each year and related information are available at www.som.polimi.it/en/course/master-of-science/#studywithus
STUDENTS & ALUMNI EXPERIENCES

Jacopo Farina
Master of Science, Design Management, Innovation and Entrepreneurship

Valeria Tiberi
Master of Science, Finance

Michele Capitanio
Bachelor

Marco Guerini
Bachelor

Giacomo Buratti
Bachelor

Anna Bisogni
Bachelor

Carlo Taddia
Master of Science, Supply Chain Management

Michele Gerometta
Master of Science, Industrial Management

Alessandro Paravano
Master of Science, Design Management, Innovation and Entrepreneurship

discover the experiences lived by students and alumni >
INTERNATIONALIZATION

A network of over 200 partners

The Management Engineering Degrees at Politecnico di Milano offer many possibilities to carry out an international exchange and mobility experience: from the classic Erasmus programme, to the Double Degrees in collaboration with prestigious foreign universities, to special programmes with different durations, ranging from a few days to one year.

Exchanges with over 180 international institutions on all continents are available to students. Every year over 200 Management Engineering students go abroad, while we greet on our Campuses the same number of incoming exchange students.

INCOMING STUDENTS:
921 students in the last 5 years
From 137 institutions

OUTGOING STUDENTS:
878 students in the last 5 years
To 141 institutions

Total exchanges with 200 institutions (INCOMING + OUTGOING)

These numbers pertain to Management Engineering students only.
INTERNATIONAL PROJECTS

ALLIANCE4TECH

Alliance4Tech consists of four Top Engineering Institutions of different European cultures, located in global cities in the economic heart of Europe, forming a European Campus without borders for their students and faculties.

The Alliance4Tech Partner Universities (Politecnico di Milano, TU Berlin, University College London, CentraleSupelec Paris) will enhance and develop the following initiatives for their prospective and respective students:

» Free-mobility/Full flexibility to switch from one city to another every semester, as long as there is former official approval of both the home and host Institutions

» Practical activities and new pedagogical approaches

» Internship opportunities in companies

» Seasonal Schools in scientific fields and/or soft skills and employability and/or any fields of common interest

» A Multi culturally and geographically diverse environment with students coming from within Europe and outside Europe alike

For more information www.alliance4tech.eu
IDEA LEAGUE

The IDEA League is a focused network of leading European Universities of science and technology. Its members are TU Delft, RWTH Aachen, ETH Zurich, Chalmers University and Politecnico di Milano.

The IDEA League organizes Summer Schools, Doctoral Schools and tracks for highly talented students. Within the IDEA League network students, researchers and supporting staff collaborate to improve education, research and quality assurance.

For more information www.idealeague.org

QTEM

QTEM Quantitative Techniques for Economics and Management - is a prestigious international network that matches the best students with analytical and quantitative skills and a qualified network of academic and corporate partners. Selected students can benefit from a tremendous chance of growth, enriching their cultural and academic background and moving the first step in the creation of a worldwide network.

QTEM Students are awarded a Master's degree at their home university along with the QTEM degree.

For more information www.qtem.org
Together with a selected number of partner universities, Politecnico di Milano offers international Double Degree Programmes, some of which have a specific curriculum in Management Engineering. The Double Degree Programmes provide an important international experience and allow to earn, in just two and a half years, a double degree, both from the Politecnico and from the partner University.

A significant amount of work must be carried out on the final thesis, which includes an Internship; this allows to consolidate the acquired skills and facilitates the start of a career.

INTERNATIONAL DOUBLE DEGREES

Audencia Nantes School of Management

Audencia Nantes School of Management is among the top universities in Europe and offers programmes that are regularly listed in the most well-known international rankings (such as The Financial Times, The Economist). The School has obtained many prestigious accreditations, such as EQUIS, AACSB, AMBA. The Double Degree Programme offers the opportunity to improve specific skills in marketing, consulting, finance and entrepreneurship at Audencia, together with the technological and innovation background of Politecnico di Milano.

Solvay Brussels School of Economics and Management

The Solvay Brussels School of Economics and Management (SBS-EM) is the Business School of the Université Libre de Bruxelles, a big multi-cultural university located in the metropolitan area of Brussels and close to the headquarters of the social and political institutions of the European Union. SBS-EM offers high quality education at the undergraduate, postgraduate and executive levels; this is reflected also by international university rankings and accreditations (EQUIS, AMBA).
Tsinghua University

Tsinghua University (Beijing) is one of the best universities in China for quality of education, research and service to society. Over the years, it has obtained the highest number of professors, at the national level, who have received awards in academic and scientific fields. Tsinghua University is also considered one of the best universities worldwide. The MSc Double Degree in Management Engineering aims at putting together the exclusive educational resources of each of the two universities, by training a top-level graduate profile, with a degree from both universities, through a strong preparation in the fields of global industrial production and management engineering.

Tongji University

Tongji University (Shanghai) is one of the oldest and most prestigious institutes of higher education in China. As of today, the university includes different fields of study and it attracts many students, from China and from all over the world. The university has also developed a strong connection with the industry world, which allows it to provide students with the opportunity of a real interaction with society. The Double Degree aims at providing students with tools and resources that are necessary to develop skills in industrial and management engineering.

The list of partner universities is available at www.som.polimi.it
Emphasizing the warm welcome given by the world of business to this new breed of professionals, graduates from Politecnico di Milano can find employment in several industrial and service companies, in consultancy firms, banks and financial institutions, public administration and in non-profit organisations.
BACHELOR OF SCIENCE

Employed: 95.2%

When:
- 93.2% 6 months
- 6.8% 7-12 months

Source: Career Service Politecnico di Milano Survey 2018 - Bachelor Degree. The survey is addressed to Bachelor Degree graduates, a year from their graduation date.

MASTER OF SCIENCE

Employed: 96.7%

When:
- 91.4% 6 months
- 8.6% 7-12 months

Source: Career Service Politecnico di Milano Survey 2018 - Master Degree. The survey is addressed to Msc Degree graduates, a year from their graduation date.
CONTACTS

ACADEMIC PROGRAMME OFFICE
Ph. +39 02 2399 2707 / 2767
Fax +39 02 2399 2730
didattica-ges@polimi.it
management-engineering@polimi.it

www.som.polimi.it
www.poliorientami.polimi.it

HOW TO REACH OUR CAMPUS:

FROM THE DUOMO (City Centre)
Take the red subway line M1 towards Rho Fiera-Bisceglie, get off at Cadorna and take the train to Milano Bovisa. Alternatively, take the red subway line M1 towards Sesto FS rail station, get off at Porta Venezia and take the train to Milano Bovisa.

Estimated journey time: 20 minutes.

FROM THE CENTRAL STATION
Take the green subway line M2 towards Famagosta, get off at Garibaldi station and take the urban railway towards Milano Bovisa (2 stops).

Estimated journey time: 20 minutes.

FROM GARIBALDI STATION
Take the urban railway towards Milano Bovisa (2 stops).

Estimated journey time: 8 minutes.

FROM CADORNA STATION
Take the urban railway towards Milano Bovisa (2 stops).

Estimated journey time: 5 minutes.