



**POLITECNICO**  
MILANO 1863

## **School of Industrial and Information Engineering**

# **The training experience offered to the students of the Master's Degree in Management Engineering**

**What does a management engineer do?**

**What do you study?**

**What are the teaching methods?**

**What are the assessment methods?**

**What does the final exam consist of?**

**Can I get help with my studies?**

**Are there any extracurricular activities?**

**Can I go and study abroad for a period?**

**Can I do an internship?**

**How can I express my opinion?**

**How can I contribute?**

**What's next?**

**Contacts**



## **What does a management engineer do?**

Master of Science graduates in Management Engineering work in complex environments driven by the close interaction between technological, economic, financial, human, and organizational factors. They are prepared for high-level management, strategic, and coordination roles.

Management engineering graduates are employed in extremely diverse sectors, testifying the favorable market acceptance of this professional figure. They are widely employed in industrial companies, service companies (telecommunications, transportation, etc.), consulting firms, financial institutions, banks and insurance companies, authorities, public administration, and non-profit organizations. Management engineering graduates take on a wide variety of roles, including, for example: the management of technological and production resources, the planning and control of production and logistics systems and supply chains; strategic planning and marketing; management control and organizational design; regulation of competition and networked services; relations with regulatory authorities; market and corporate finance; the management of large projects (such as manufacturing plants, process facilities, infrastructure, R&D activities), as well as Internet applications, and information technology in general.



## What do you study?

The **Degree Program** (*Manifesto degli Studi*), divided by academic years and semesters, is the set of educational activities (courses, laboratories, internships, final examinations), either compulsory or elective, that make up the educational offer of a Study Program (*Corso di Studi*).

The **Study Plan** (*Piano degli Studi*) is the list of educational activities that the student intends to undertake during each academic year. The Study Plan is normally compiled by selecting educational activities from the offer defined in the Degree Program (*Manifesto degli Studi*) of the student's own Study Program. In this case, the Study Plan is automatically approved.

Students may also request to include, for the purpose of obtaining their degree, courses/laboratories offered by Study Programs other than their own. In such cases, the request is subject to approval by a dedicated committee, which assesses its consistency with the educational objectives described in the Academic Regulations (*Regolamento*) of the Study Program.

The **Credito Formativo Universitario - CFU** (**University Educational Credit - ECTS**) is the unit of measurement of the workload required in terms of learning activities. One credit conventionally corresponds to 25 hours of work, including both self-study/individual work and assisted teaching activities, meaning all educational activities in which the student interacts with the instructor (lectures, group exercises, laboratory activities, etc.).

The Management Engineering Study Program features a comprehensive curriculum that pursues two complementary objectives: first, to develop—through a common body of knowledge, methodologies, and approaches—a unifying foundation for the professional profile of the management engineer; second, to prepare graduates with a broad range of skills capable of meeting the diverse demands of companies and institutions in which management engineers will work.

In this sense, students, at the end of their studies, must be able to:

1. Understand the challenges, functions, processes in business and industry, and their effects on business, economy, environment and society;
2. Identify key trends, technologies, methodologies, and stakeholder needs in a specific context;



3. Design solutions by applying a scientific and engineering approach (analysis, learning, reasoning, and modelling skills derived from a solid and rigorous multidisciplinary background) combined with participatory approaches to address problems and opportunities in the business, industrial, and social context;
4. Develop new ideas and transformative solutions that positively impact evolving business, industrial, and social landscapes;
5. Interact in a professional, responsible, inclusive, effective, and constructive manner in the workplace, including motivating other members of the work team.

#### 1. First year

During the first year, key models and tools in the three disciplinary areas of economics, management, and industrial engineering are explored in depth.

#### 2. Second year

The second year is articulated into 14 majors that offer a diverse range of skills to meet the demands of the companies and institutions where management engineers will work.

Each major includes a certain number of "thematic" ECTS, which students can choose to complement their professional profile based on their interests. All majors include a laboratory, where students are involved in a real-world project developed in collaboration with businesses, institutions, or public bodies. This exposes them to the challenges inherent in real-world projects: defining project objectives in an uncertain environment, researching and analyzing data, interacting with managers from diverse backgrounds, and working in teams. Finally, the final exam consists of the development and defense of a thesis of a theoretical, experimental, or design nature.

### **STRUCTURE OF THE COURSE**



Core Curriculum				Major	Elective	Master thesis 15 ECTS		
Accounting, Finance & Control	Strategy & Marketing	Leadership & Innovation	<b>3 OUT OF 4</b> Quality Data Analysis Operations Management Logistics Management Industrial Technologies	Industry 4.0	Free selection of courses for a customized and multidisciplinary curriculum			
			<b>Business &amp; Industrial Economics + 2 OUT OF 4</b> Quality Data Analysis Operations Management Logistics Management Industrial Technologies	Industrial Management				
				Supply Chain Management				
				Circular Economy				
			<b>Business &amp; Industrial Economics + 2 OUT OF 3</b> Operations Management Logistics Management Industrial Technologies	Energy Management				
				Sustainability & Social Impact				
				Business Strategy & Transformation				
				Analytics for Business				
				Digital Business Innovation				
						Entrepreneurship		
						Innovation Management		
						Complex Projects Business		
			International Business					
			Finance					
60 ECTS			25 ECTS	20 ECTS				

### Interdisciplinary Programs

For Management Engineering students, there are 4 active Interdisciplinary Programmes:

- Green Technologies (active from 2021/22)
- Smart Infrastructures (active from 2022/23)
- Inclusivity Design (active from 2022/23)
- Creative Thinking (active from 2023/24)

Management Engineering students can also participate in the Alta Scuola Politecnica (ASP), a multidisciplinary honors program in collaboration between the Polytechnic University of Milan and the Polytechnic University of Turin: [Home - ASP - Alta Scuola Politecnica](#)

### Interdisciplinary Programs

#### ▪ PoliMI Ambassador

The PoliMI Ambassador programs are four advanced university-level training paths designed to create new professional profiles in Green Technologies, Smart Infrastructures, Inclusivity Design, and Creative Thinking. The objective is to foster the acquisition of:

- skills in specific areas consistent with the selected educational path;
- enabling digital technologies relevant to the profile;
- interdisciplinary tools and methods, and a systemic vision mindset;



- the ability to work in interdisciplinary and multi-sectoral contexts, developed through exposure—also in team settings—to case studies and challenges.

For a detailed description of the objectives of each PoliMI Ambassador program, please refer to the [PoliMI Ambassador](#) webpage.

Each educational path is developed throughout the *Laurea Magistrale* (equivalent to Master of Science) and defines, within 130 *Crediti Formativi Universitari* (University Educational Credits – ECTS), of which at least 10 must be extra credits, the minimum number of credits required to obtain the selected *Laurea Magistrale* degree and, at the same time, to receive the PoliMI Ambassador certification in the selected field.

The student must acquire at least 30 *CFU* (ECTS) in educational activities relevant to the chosen PoliMI Ambassador profile, selected from two course tables listed in the *Regolamento Didattico del Corso di Studi* (Study Program Educational Rules) of their program. In particular, the student must obtain at least 10 *CFU* from the first table (Table A) and 20 *CFU* from the second (Table B), in accordance with the procedures described in the Study Program **Educational Rules**.

The "PoliMI Ambassador" certification will be included in the Diploma Supplement and will be officially recognized through the issuance of a specific digital badge.

Failure to earn the 10 extra *CFU* (ECTS) and the minimum 30 *CFU* (ECTS) in activities related to the Ambassador profile does not preclude the student from obtaining the *Laurea Magistrale* (Master of Science) degree.



## What are the teaching methods?

### Teaching and learning models

The educational model of the Politecnico di Milano includes five types of assisted teaching:

- Transmissive / Lecture-Based Teaching (Didattica trasmissiva/frontale - DT ): the student listens to the delivery of content that will then be consolidated independently;
- Interactive / Participatory Teaching (Didattica interattiva/partecipativa - DI ): the student, under guidance, is involved individually or in groups in carrying out or participating in an activity proposed by the instructor, also through the use of suitable digital tools;
- Laboratory-Based Teaching (Didattica laboratoriale - DL ): the student is involved, individually or in groups, in a practical experience aimed at applying the concepts and methodologies presented by the instructor, typically with the aid of appropriate tools and equipment in computer or experimental laboratories;
- Project-Based Teaching (Didattica progettuale - DP ): the student is involved, individually or in groups, in the development of a complex project or product, which is gradually enriched as awareness and the ability to use theoretical, technical, and metacognitive tools are acquired;
- Evaluation-Based Teaching (Didattica valutativa - DV ): the student is directly involved in an evaluation or self-evaluation activity followed by appropriate feedback (quantitative or qualitative, and either named or anonymous).

The degree program offers a diverse curriculum mix, incorporating components from various teaching and learning models (see box) that change over time based on specific learning objectives. The table below shows the expected percentages of student commitment across the five types of assisted teaching. For the first year, these percentages are calculated based on the estimated 750 hours/semester of total student commitment, which includes both classroom work and independent study; for the second year, the percentages do not take into account the estimated 375 hours of commitment required to complete the final exam. In all majors, where students have the option to select one or more courses from a pool of multiple courses, we have given all courses in the pool an equal probability of being selected. We have therefore calculated student commitment to the courses selected from the pool as a weighted average of the expected commitment to each course in the pool, using ECTS as weights.



Since starting from the second semester of the second year, the exams that can be selected by students differ depending on the major chosen, we calculated the five percentages for each major and reported in each column the average of the percentages of the 14 majors and, in brackets, the range within which the percentage considered varies.

The table shows that in the first year, Transmissive / Lecture-Based Teaching is complemented by Interactive / Participatory and Project-based teaching. The second year is characterized by a significant presence of Laboratory-based and Evaluation-based teaching.

### TABLE OF TEACHING MODELS

	<b>Transmissive / Lecture-Based Teaching</b>	<b>Interactive / Participatory Teaching</b>	<b>Laboratory- Based Teaching</b>	<b>Project-Based Teaching</b>	<b>Evaluation- Based Teaching</b>
Year 1 – Semester 1	71.2%	18.0%	0.7%	10.1%	0.0%
Year 1 – Semester 2	71.6% (69.7%-73.1%)	16.3% (15.6%-17.3%)	2.8% (2.5%-3.1%)	9.3% (7.9%-12.2%)	0.0%
Year 2 – Semester 1	62.2% (50.4%-78.7%)	17.0% (6.4%-31.3%)	2.6% (1.0%-7.4%)	13.2% (4.8%-24.3%)	5.0% (2.7%-10.9%)
Year 2 – Semester 2	42.0% (32.4%-59.9%)	12.5% (4.7%-20.8%)	2.9% (0.9%-6.9%)	31.9% (10.2%-51.5%)	10.7% (3.0%-30.9%)

**Digital learning** initiatives are widespread in the Study Program, and several courses utilize digital tools to enrich the student experience during both the first and second years. Below are some examples of digital integration, illustrating the most common approaches:

- Several courses, including Strategy & Marketing (first year, first semester), High Tech Start Up (second year, first semester), and Operations Management (first year, first semester), feature videos to support classroom discussions or replace lectures, allowing for case studies and project assignments.
- Some courses have integrated collaboration and assessment tools such as FeedbackFruits into the WeBeep channel; these include, for example, Macroeconomics of Finance (second year, first semester);
- Some courses include digital twin tools. For example, Industrial Technologies (first year, first and second semester) involves the use of a digital twin modeled for a Flexible Manufacturing Line (FML) installed in a laboratory environment. Logistics Management (first year, second semester) involves recording high-quality videos inside the distribution centers of multinational companies, such as Chicco-Artsana (the central



warehouse of the global network) and Comifar (a warehouse serving northern Italy), and conducting a live virtual tour of these facilities where students can ask managers questions.

- Some courses involve the use of collaborative games, such as Global Supply Chain Planning, Policy Design & Evaluation and Supply Chain Management (second year, first semester)

**Specific data analysis software** is also used , including R, Python, Matlab/Simulink, SPSS/Stata.

**Collaborative classes** have been tested in some courses, mostly in the second year. These classes focus primarily on developing project activities with students from international universities. In particular:

- The Logistics Management course (second semester, first year) involves the development of joint projects in collaboration with the University of Göttingen.
- The Additive Manufacturing course (first semester, second year) includes the enhancement of project activities carried out by students in laboratories in collaboration with MIT and TUM.
- The Finance Lab course (second semester, second year) involves the development of joint projects in collaboration with Strathclyde University (UK) and the University of Wollongong (Dubai).
- The Development Economics course (second semester, second year) involves the involvement of professors and colleagues from the United Nations in discussing projects carried out by students on topics related to the SDGs.



## What are the assessment methods?

### Assessment methods and exam sessions

The assessment methods are described in the course syllabus (scheda dell'insegnamento) and are made available at the beginning of each academic year. By including a course in their Study Plan, students acknowledge and accept the related assessment methods.

Student performance is assessed through exam sessions held during the dedicated periods specified in the Academic Calendar (*Calendario Accademico*), and may also be evaluated through ongoing assessments (*valutazioni in itinere*) conducted during the semester in which the course is delivered.

For each academic year, there are five exam sessions scheduled for all courses. Specifically, two exam sessions take place at the end of the semester in which the course is taught, two at the end of the other semester, and one in September.

### Ongoing assessment

Ongoing assessment may take place through various methods, such as: written and/or oral and/or laboratory tests, projects, reports, assignments, and other types of activities assigned by the instructor, carried out either in class or independently, also through the use of digital and online tools.

**Ongoing assessment based on two partial exams.** For courses that include an ongoing assessment based on two partial exams, the tests are generally held during the breaks in teaching activities specifically scheduled in the Academic Calendar. The date of the second exam coincides with that of the first exam session in the session immediately following the teaching semester. On that date, the student may take either the second partial exam or the regular *exam session*.

**Other forms of ongoing assessment.** Forms of ongoing assessment other than those described above may take place at any time during the teaching semester. For courses that include them, some assessed activities, clearly indicated in the course syllabus, may be mandatory or required in order to receive a full evaluation. Failure to participate in such activities may result in restrictions during the exam sessions, either in terms of grading or in the ability to take the exams.

### Registration for exam sessions

In order to take part in an exam session, students must register via the Online Services within the specified deadlines. Exam registration is permitted only if the student is up to date with tuition fee payments and the course is included in his/her Study Plan. If the regular registration deadline is missed, it is still possible to register until 11:59 PM on the day of the exam, subject to approval by the professor. Students who decide not to take the exam must cancel their



registration no later than the day before the exam, except in cases of unforeseeable last-minute impediments.

During the course, students experience different assessment methods.

All first-year courses include a written exam and offer students the opportunity to take optional oral exams to ensure more effective assessment where the learning objectives/RAA focus more on understanding than knowledge. The written exam is often accompanied by a project, often completed using software such as Excel, Simulink, Matlab, and Python.

In the second year, although a written exam is a common assessment method, it is often replaced by a mandatory oral exam or project. Mandatory projects are particularly popular in the second semester, where most of the workshops are concentrated, explicitly addressing the Learning Objective of "Designing solutions by applying a scientific and engineering approach to addressing problems and opportunities in business and industry." Peer-review methods are often used to evaluate project activities, assessing an individual's contribution to the group's work, and in some cases, the individual's ability to provide critical feedback on their peers' work (peer review) is also assessed.

**TABLE OF ASSESSMENT METHODS**

	<b>Courses considered</b>	<b>Written exam</b>	<b>Mandatory oral exam</b>	<b>Optional oral exam</b>	<b>Mandatory project</b>	<b>Optional project</b>
Year 1 – Semester 1	5	100%	20%	40%	40%	40%
Year 1 – Semester 2	6	100%	0%	50%	15%	50%
Year 2 – Semester 1	85	69%	35%	7%	53%	7%
Year 2 – Semester 2	51	41%	33%	4%	61%	12%



## What does the final exam consist of?

On the website of the School of Industrial and Information Engineering, under the section [Bachelor's and Master's Degree Exams](#), the following resources are available:

- The regulations for Bachelor's and Master's degree exams, along with the *Regolamenti Integrativi* (supplementary regulations) for each *Corso di Studio* (Study Program);
- Information on how the examination sessions are conducted, key deadlines, and the procedures for submitting the thesis;
- Thesis templates: formats for traditional and article-style theses, as well as the executive summary template, which must be submitted together with the thesis in case a *Controrelatore* (Examiner) is required.

The final exam consists in the presentation and discussion, by the candidate, of a thesis of a theoretical, experimental, or design nature, developed in an original way under the guidance of a supervisor.

If the thesis is deemed by the supervisor to be particularly worthy of consideration due to its original content and the student's personal contribution, an examiner is appointed to formulate a judgment on the work carried out, which will be submitted to the Degree Committee.

The Supplementary Regulations include some examples of theses. As stated in the Supplementary Regulations for the degree program, the Scientific Article format is not accepted.

At the beginning of the second year, a meeting is held where the Study Course coordinator explains the Supplementary Regulations. Thesis proposals are available at this link: [Final Exam – Thesis Proposals – Management Engineering](#)



## Can I get help with my studies?

### Tutoring

In order to guide and support students throughout their studies, particularly during the first three years, the School of Industrial and Information Engineering offers various tutoring opportunities, with the aim of providing each student with the most suitable support for their needs. The approach includes peer-to-peer tutoring services, activated on demand based on student requests, as well as more traditional tutoring services offered on fixed dates and times.

- **Learn how to Learn (Information and guidance tutoring)**

Targeted at first-year students who scored below 60 on the TOL, this is an optional program consisting of three thematic webinars designed to help students immediately identify effective strategies for managing typical university situations, such as attending lectures, studying independently, managing study time, and handling distractions.

To complement the live component, asynchronous activities are provided to deepen the topics addressed during the webinars.

The program is delivered in September (over the course of one week), before the start of classes. Interested students receive a notification email inviting them to participate.

- **Peer to Peer Tutoring**

In this form of tutoring, experienced student tutors provide support, either individually or in small groups of 3-4 students, on the core courses taught during the first two years of all *Corsi di Laurea Triennale* (Bachelor's Laurea Programs). Students may request tutoring for up to two courses per semester.

Those who wish to request a tutor must apply through the "Peer-to-Peer Tutoring" platform available on their Online Services.

For further information, please contact: [tutorato-ingegneria@polimi.it](mailto:tutorato-ingegneria@polimi.it).

- **Tutoring for first-year students**

For many of the first-year courses of the *Bachelor's degree program*, tutoring sessions are available and led by PhD students or experienced instructors.

The calendars are available on the School's website at the page: [Calendario Tutorato Matricole](#) (*First-Year Tutoring Calendar*).

- **Specific tutoring activities**

The School also promotes specific tutoring initiatives:

**Equalization peer-to-peer tutoring:** this service is intended for students coming from Bachelor's degrees not strictly aligned with the chosen *Master's degree program*, or for



international students. More experienced student tutors provide support, either individually or in small groups of 3–4 students, on courses within the Master's *Study Programs*.

**Tutoring in support of specific courses:** tutoring sessions held by PhD students and experienced instructors on selected courses from various study programs, also based on student feedback.

The schedule for these activities is available on the website at: *Calendario tutorato specifico (Specific Tutoring Calendar)*.

### **Polimi Open Knowledge (POK)**

**POK (Polimi Open Knowledge)** is the first Italian university MOOC (Massive Open Online Courses) platform, offering free online courses open to everyone. The main objective of the platform is to support students, not only from Politecnico di Milano, throughout their university and professional journey: from high school to university, from the *Bachelor's degree* to the *Master's degree*, and from university to the job market.

In addition, many other courses are available for teachers, researchers, professionals, and the general public.

First-year students who wish to strengthen their foundational knowledge in mathematics and physics are encouraged to follow the modules: [Introduzione alla matematica per l'università: Pre-Calculus](#), [Introduction to Experimental Physics: Electromagnetism, Optics, Modern Physics](#).

### *Introduction to Management Engineering Series*

With the exception of first level graduates in Management Engineering at the Politecnico di Milano, all candidates admitted to the Master of Science - after having completed any curricular integrations - are required to pass the online courses of the library " *Introduction to Management Engineering Series*", provided free of charge through the Polimi Open Knowledge platform (POLIMI POK), and including 6 courses:

- Fundamentals of Financial and Management Accounting
- Fundamentals of Strategy
- Fundamentals of Organization
- Fundamentals of Operations
- Fundamentals of Economics
- Project Management beyond planning and control



*Welcome meetings / orientation during the course*

To support students, three Welcome/Orientation sessions are organized (two for first-year students at each intake and one for second-year students at the beginning of the semester). These sessions provide targeted information on the activities that may be most relevant depending on the stage of their studies:

- First year: Introduction to the program, description of the study plan, international and extracurricular opportunities.
- Second year: Description of majors, description of the final exam, international opportunities, curricular and extracurricular teaching.



## Are there any extracurricular activities?

### **Passion in Action**

"**Passion in Action**" is the catalogue of open-participation educational activities offered by Politecnico di Milano to its students, aimed at fostering the development of transversal skills, soft and social skills, and at encouraging/facilitating a personalized enrichment of each student's personal, cultural, and professional background.

Those who are interested can take advantage of this opportunity and choose which activities to attend, exploring different subjects according to their interests and personal inclinations.

Students who participate in *Passion in Action* may register for any activity in the catalogue, regardless of its thematic relevance to their *study plan*, provided that any specific prerequisites for individual activities are met.

The skills and competencies acquired are recognized through the awarding of a digital badge and will be reported in the *Diploma Supplement*.

The catalogue is updated regularly. Since the educational modules are activated asynchronously with respect to the semesters, interested students are advised to check the [Passion in Action](#) page periodically.

### **Student Associations**

Student associations are organizations formed by students with the aim of promoting cultural, technical, social, and recreational activities, and creating opportunities for personal and professional growth within the academic environment.

Participating in a student association allows for greater engagement in university life, making the academic experience more dynamic and stimulating. It also fosters the development of transversal skills such as leadership and teamwork, as well as the expansion of one's network, valuable both during university and in professional life.

At Politecnico di Milano, several student associations are active, each with different goals and areas of interest. The full list is available at: [Student Associations](#).

The main initiatives dedicated to Management Engineering students are described below.

### *Mentorship program*



The goal of the Mentorship Program is to offer selected second year students, who are seriously and successfully pursuing their academic career, the opportunity to participate in high-value activities that can foster their professional and personal development. The program includes four activities:

- **Meet Managers:** Networking meetings are organized with managers who hold particularly high-profile positions, on relevant topics not necessarily covered in our curricular courses.
- **Senior Mentorship:** Each selected student is assigned an alumnus with relevant work experience who is available to guide them in their career choices.
- **Civic responsibility:** meetings are organized to foster constructive dialogue with representatives of various institutions, helping students understand the impact they could have beyond their professional careers.
- **Active Learning:** Students are involved in educational support/mentoring activities at Bachelor's level, with the opportunity to further consolidate their knowledge and act as tutors/mentors for younger students.

This opportunity is dedicated to students enrolled in the second year of the Master's Degree program who are selected based on their academic CV and a group assessment conducted with the support of the Career Service.

#### *Passion in Action – Consulting Profile: Cracking the Technical Case*

Who is a consultant, and how do you become one? Let's ask one of them directly! Would you like to help solve a technical case? Participate in "*Consulting Profile: Cracking the Technical Case*" The ultimate goal is to help you understand the consultant's skills and how to approach a technical case during the consulting firm selection process. The program is structured into four sessions, each featuring a different consulting firm that will dynamically and interactively simulate a technical interview for participants.

#### *Hub of Student Activities (HSA)*

HSA is a club made up of students and representatives that promotes, supports, and plans dedicated activities for management engineering students and collaborates with the associations closest to management engineering topics.

In addition to these, there are orientation events organized by the University Career Service, according to a calendar made available via WeBeep and HSA.

## Can I go and study abroad for a period?

Students who wish to take part in an exchange experience must apply through one of the two international mobility calls, which are published in November and April. The University's Mobility Call covers various types of international experiences: simple exchange (1 or 2 semesters) in EU and non-EU countries, Double Degree programs, and Special Programs for students enrolled in specific Study Programs (e.g. Alliance4Tech).

Due to procedural timelines, interested students must apply the year before the planned mobility period.

The choice of possible exchange destinations must be made at the same time as submitting the application to the mobility call. Students are therefore encouraged to gather all the necessary information about each selected destination, out of respect for all applicants.

In fact, declining an assigned destination due to inadequate research into the educational offer results in a lost opportunity, not only for the student who withdraws, but also for other students who could have taken advantage of that placement.

Once they have applied to the call, candidates must carefully follow the deadlines, monitor the rankings, and confirm or decline their interest in the assigned destination, if any. Dates vary for each call, but this phase of the process generally takes place between January and March for the first call, and between May and July for the second call.

Only after the candidate has confirmed the assigned destination, the International Mobility Unit will proceed with the official nomination of each student to the selected host institution. Delays in confirming the destination will result in exclusion from the exchange program.

To view the list of available destinations, students can refer to:

- the section of the Polimi website dedicated to the mapping of all partner universities. By filtering by School and Study Program, students can access useful information about each destination;
- the Exchange your Mind section of the Polimi website, which collects testimonials, useful information, presentations, and in-depth materials on the topic.

An international experience is valuable in its entirety, it allows students to discover new countries, cultures, people, and languages. These aspects should be taken into account when choosing a destination.

At the same time, it is important to remember that it is not always possible to obtain one of the top-listed choices; therefore, each option included in the list of preferred destinations should be selected carefully and thoughtfully.



Students who independently organize their period of study abroad are referred to as “*Free Movers*.” This type of mobility is not part of any structured exchange program organized by Politecnico di Milano, such as Erasmus.

Since it is not a structured and formal program, *Free Mover* candidates must take care of all aspects of their stay abroad on their own (contact with the host university, meals, accommodation, health insurance, etc.), and no financial support is provided for expenses related to the mobility period.

The activities eligible for recognition within a *Free Mover* experience include course attendance or thesis work, with different requirements applying to the application and approval process by the Study Program/thesis supervisor.

The application for a *Free Mover* mobility may be approved by the student’s *Corso di Studi* (Study Program) only if certain criteria are met. These include an evaluation of the student’s CV and an assessment of the reputation of the host institution where the mobility is intended to take place. The specific criteria are detailed below:

- The host institution for the mobility cannot be one for which there are existing exchange agreements with Politecnico di Milano for the School to which the student is enrolled;
- The host institution must be recognized as a quality institution within the student’s Study Program, and applicants must describe and demonstrate the validity of the proposed institution (a high ranking position in international university rankings can be one criterion, although not the only one);
- The *Free Mover* candidate must have a specific weighted average exam grade of at least 24 out of 30.

Students enrolled in a Degree Program who have already earned at least 60 University Educational Credits (ECTS) in their academic record may apply for a *Free Mover* mobility.

Similarly to the institutional mobility organized by Politecnico di Milano, *Free Mover* mobility is not permitted during the first semester of the Master’s degree. However, students may submit their application during their first semester for mobility periods in subsequent semesters.

The Study Program in Management Engineering offers numerous opportunities for international exchange and mobility: from the traditional Erasmus program, to Double Degrees in collaboration with prestigious foreign institutions, to special programs ranging in length from a few days to a year.

Exchange programs are active with over 200 international institutions across all continents. Each year, over 350 Management Engineering students travel abroad, and an equal number are welcomed on exchange programs.

For students interested in this experience, an overview of the partner schools is available at this link: [ME-INFO-SHEETS.pdf](#)



**POLITECNICO**  
MILANO 1863

Additionally, there is a detailed guide explaining the process and providing some FAQs is available at this link: [Guida-Scambi-Internazionali-CCS-IG-2.9-Dicembre-2024-1.pdf](#)



## Can I do an internship ?

The stage, also referred to as internship (*tirocinio*), is an educational experience in the professional world, allowing students to put into practice the skills acquired during their academic path, and to guide them toward making informed future career choices.

It can take place either in Italy or abroad, in companies, professional firms, foreign universities, or public and private research institutions.

The stage is considered as **curricular** when it is aimed at students. Specifically, it can be:

- *curriculare obbligatorio* (compulsory curricular), linked to the acquisition of University Educational Credits (ECTS) and included in the Study Plan;
- *curriculare opzionale* (elective curricular), linked to the acquisition of University Educational Credits (ECTS) and included in the Study Plan at the student's discretion;
- *curriculare facoltativo* (curricular but voluntary), not involving the acquisition of ECTS and not included in the Study Plan, with a maximum duration of 12 months, to be completed before the thesis defense.

The extracurricular stage is instead intended for recent graduates who are not enrolled in any other university Study Program, and may last up to a maximum of 6 months.

More information: *Stage per laureati* ([Internships for graduates](#)).

Students interested in a curricular stage, whether *obbligatorio*, *opzionale* or *facoltativo*, can visit the [Stage curricolari](#) (Curricular Internships) webpage for more information about:

- how to find internship opportunities (which is the responsibility of the student);
- the documents that the host organization must request from Politecnico di Milano (*Convenzione di Tirocinio* - Internship Agreement and *Progetto Formativo* - SAT - Internship Academic Structure).

### Internship and Master's Degree Thesis

The optional curricular internship and the *Laurea Magistrale* (Master of Science) thesis are two separate activities. The first is optional and does not allow for the acquisition of University Educational Credits (ECTS), while the second is mandatory and involves the acquisition of credits.

It is not excluded that the activity carried out during an optional curricular internship could lead to a Master's Degree thesis. However, for this to be possible, the research activity at an external organization must be carried out under the supervision of an academic advisor from Politecnico di Milano, who must agree from the beginning of the internship on the research objectives and methodologies, and must supervise the activities throughout their execution. It is the student's responsibility to contact an academic advisor before the internship begins.

The Management Engineering program does not include mandatory curricular internships.

## How can I express my opinion?

Students' opinions are important, and Politecnico di Milano provides several tools through which students can express their views.

### **OPIS Questionnaire**

The *OPIS questionnaire* is the official tool used to collect students' opinions on teaching. The questionnaires are anonymous and results are processed in aggregate form.

The outcomes of these questionnaires are essential for instructors and *the* Study Programs Councils, as they offer insight into students' thoughtful and honest feedback, helping to improve both the educational offer and teaching methods. Once a year, every Study Program Council is required to reflect on its educational path, starting also from the results of these questionnaires. Student Representatives are involved in this process, collaborating in the definition of possible improvement actions.

For this reason, it is important that students express their opinions responsibly, in the interest of the entire academic community of students and faculty.

Students are asked to give their opinion on every course they attended during the semester, by answering a questionnaire that gives students the opportunity to directly contribute to the improvement of the quality of education. For each course, the questionnaire becomes available approximately two-thirds into each semester, and its completion is mandatory before registering for exam sessions for the first time.

### **Graduating Students' Questionnaire**

During the final year of the Study Program, students are also required to give their opinion on the entire educational path. Completing the questionnaire is mandatory in order to register for the Bachelor's/Master's Degree graduation session (Graduating Students' Questionnaire). In this survey, students are asked to provide feedback on several aspects, including the organization of teaching, specific course content, facilities, internships, international mobility opportunities, and the final examination.

### **Student Services Satisfaction Questionnaire**

This questionnaire is mandatory for registration to the first exam session of the academic year and is intended only for regular students in the final year of their Study Program. The questions concern the services offered to students, including, for example: enrolment procedures, Study Plan submission, exam registration, tuition fees, student offices, ICT, libraries, dining services, and communication.

## How can I contribute?

### Role of Student Representatives

Student representatives play a key role in ensuring the proper and transparent functioning of the University's governing bodies, where they participate to bring the students' perspective. They are elected every two years and serve not only as points of reference for students in various aspects of university life, but also contribute concrete proposals to improve the student experience.

The **Senato Accademico** (*Academic Senate*) is the body responsible for guiding and planning the University's development, with particular focus on teaching and research, and oversees the overall proper functioning of the institution. The Consiglio di amministrazione (Board of Directors), on the other hand, defines the long-term financial planning based on the proposals and opinions of the Senate. Therefore, the student representatives in these bodies are involved in decisions that affect the entire University.

The Joint Student-Professor Committees (Commissione paritetica) of each of the four Schools (3I – Industrial and Information Engineering; ICAT – Civil, Environmental and Territorial Engineering; AUIC – Architecture, Urban Planning and Construction Engineering; Design) monitor the educational offer, the quality of teaching and student services, and make proposals to enhance them. Depending on the School, some or all of the representatives on the Joint Student-Professor Committee also sit on the School Council, which coordinates the study programs and provides general guidance to the School.

The members of the Academic Senate, the Board of Directors, and the Joint Student-Professor Committees form the **Student Council**, a body where discussions take place on topics addressed within the various governing bodies. At the beginning of their term, they also elect the student representatives to the *Nucleo di Valutazione* (*Evaluation Committee*), the *Comitato Unico di Garanzia* (*Guarantee Committee*), and the Sports Committee.

Each **Study Program** has a certain number of student representatives (the number varies depending on the number of enrolled students). Student representatives are full members of the **Study Program Council**, the body responsible for defining the Degree Program and Educational Rules for each Study Program. In this context, student representatives contribute to defining how teaching is delivered, analyzing the effectiveness of courses, organizing the study plan, and acting as spokespersons for their fellow students by reporting any issues related to teaching.

If you want to learn more about the role of representatives, as well as the different representation lists present at the Politecnico, we invite you to visit the page [Polimi – Rappresentanti e Associazioni](#).

### Work with Us as a Tutor

Politecnico di Milano offers students the opportunity to carry out tutoring activities as part of paid collaborations within the University:



- If you are a Master's degree student, you can support teaching through tutoring activities.
- If you are a Bachelor's degree student, you can take part in *Peer-to-Peer* tutoring activities, assisting fellow students along their academic path.

These collaborations are assigned through specific calls for application and are reserved for students who meet certain academic and financial requirements. Compensation and the number of working hours vary depending on the assigned role.

For more details on requirements, application procedures, and deadlines, visit the page: [Polimi - Paid Collaborations](#).



## What's next?

The [Career Service](#) is the professional guidance and placement service of the Politecnico di Milano. It works in collaboration with employers (both private and public companies) and with the Study Programs Councils to offer students, starting from their early academic years, a wide range of initiatives aimed at bringing them closer to the professional world. The goal is to broaden their perspective by presenting them with future opportunities in terms of promising sectors and the most in-demand roles and skills.

Among the services offered by the Career Service:

- **Personalised support programs** with a *Career Advisor*, providing tips for preparing an effective CV, simulating job interviews, and more. [Discover more in the video resources.](#)
- **Special orientation pathways** to explore professional roles in innovation ([Am I an Innovator?](#)) across a variety of settings, from roles in established companies to positions involved in launching new start-ups.
- **Support in identifying internship opportunities**, both before and after graduation ([Internships](#)), as well as assistance in setting them up and formalising them through an *Internship Advisor*.
- **Organisation of orientation and mentoring events** with Italian and international companies (e.g. roundtables, career talks, career competitions, company tours), regularly posted on the website: [[Career Service](#)].



## Contacts

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Transfers and programme changes: Prof. Evila Piva ( [evila.piva@polimi.it](mailto:evila.piva@polimi.it) )

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Orientation: Prof. Anna Paola Florio ( [anna.florio@polimi.it](mailto:anna.florio@polimi.it) )

Tutoring: Professor Margherita Pero ( [margherita.pero@polimi.it](mailto:margherita.pero@polimi.it) )

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Teaching Secretariat : [management-engineering@polimi.it](mailto:management-engineering@polimi.it)

## Useful links

Website of the [School of Industrial and Information Engineering](#)

Website of the Study Programme: <https://management-eng.polimi.it/>

WeBeeP Channel

Student Office: [Online counter](#)

Campus and Services: [Equal Opportunities and Inclusion](#) , [Psychological Well-being](#)