

Engineering Physics - Ingegneria Fisica

Admission procedures to the Master of Science programme applicable from the academic year 2028/2029

The admission model for the Master of Science programme, applicable from the academic year 2028/2029, is structured into three quotas:

- Students who obtain their first-level degree from Politecnico di Milano;
- Students who obtain their first-level degree from other Italian universities;
- Students with a foreign qualification.

The admission procedures are described in the following sections.

1. Admission procedures for applicants with a First-Level Degree from Politecnico di Milano

For applicants enrolled in a first-level programme at Politecnico di Milano or holding a first-level degree from Politecnico di Milano, two admission procedures are available:

- **Automatic admission**, reserved for applicants who meet the requirements described in section 1.1;
- **Admission subject to eligibility assessment**, reserved for applicants who meet the requirements described in section 1.2.

1.1 Automatic admission

Access to the Master of Science programme through automatic admission is reserved for applicants who meet the following requirements:

Academic record requirements:

- Having enrolled in the first year of a first-level programme in the academic year 2025/2026 and being a regular third-year student in the academic year 2027/2028;
- Having earned at least 135 effective ECTS credits after the fifth semester from the start of the university career, calculated from the year of first enrolment, with a weighted average equal to or higher than 23/30.

Subject-area requirements:

- Meeting the subject-area requirements set out in the table below, defined in relation to the Degree Class (Classe di Laurea), the previous degree programme and specific characteristics of the study plan; these requirements must be maintained until completion of the degree programme:

Degree Class (Classe di Laurea)	Study Course (Corso di Studi)	Tracks (PSPA) / SSD(*) / Subjects
L8 – Ingegneria dell'Informazione	Ingegneria Elettronica	At least one among the following courses in the Study Plan / completed: • 085999 Elettronica dello stato solido • 081076 Introduzione alla fisica dei quanti • 073062 Fisica della materia • 089540 Fisica atomica
	Ingegneria Informatica	Courses in the Study Plan / completed: • 093506 Elettromagnetismo e campi • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
L9 – Ingegneria Industriale	Ingegneria Aerospaziale	Courses in the Study Plan / completed: • 054058 Onde e ottica, or 083406 Fisica delle onde • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria Chimica	Courses in the Study Plan / completed: • 054058 Onde e ottica, or 054218 Elettromagnetismo ed ottica • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria Elettrica	Courses in the Study Plan / completed: • 085999 Elettronica dello stato solido, or 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 principi dei laser
	Ingegneria Energetica	Courses in the Study Plan / completed:

		• 054058 Onde e ottica, or 054218 Elettromagnetismo ed ottica • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria dei Materiali e delle Nanotecnologie	At least one among the following courses in the Study Plan / completed: • 073062 Fisica della materia • 081076 Introduzione alla fisica dei quanti • 089540 Fisica atomica
	Ingegneria Meccanica	Courses in the Study Plan / completed: • 054058 Onde e ottica, or 054218 Elettromagnetismo ed ottica • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria della Produzione Industriale	Courses in the Study Plan / completed: • 054058 Onde e ottica, or 054218 Elettromagnetismo ed ottica • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
Interclasse L8 – Ingegneria dell'Informazione L9 – Ingegneria Industriale	Ingegneria dell'Automazione	Courses in the Study Plan / completed: • 093506 Elettromagnetismo e campi • 081076 Introduzione alla fisica dei quanti, or 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria Biomedica	Courses in the Study Plan / completed: • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 fisica atomica • 061392 Principi dei laser

	Ingegneria Fisica	No further requirement
	Ingegneria Gestionale	Courses in the Study Plan / completed: • 054058 Onde e ottica, or 054218 Elettromagnetismo ed ottica • 081076 Introduzione alla fisica dei quanti, or 073062 Fisica della materia, or 089540 Fisica atomica • 061392 Principi dei laser
	Ingegneria Matematica	At least one among the following courses in the Study Plan / completed: • 081076 Introduzione alla fisica dei quanti • 073062 Fisica della materia • 089540 Fisica atomica

(*) SSD = Scientific-Disciplinary Sector, it refers to an official classification used in the Italian higher education system to group academic subjects and teaching activities within a specific disciplinary area.

For applicants enrolled in degree programmes that are not listed in the table above, automatic admission is not available.

For some applicants, specific obligations or restrictions may apply to curriculum choices.

1.2 Admission subject to eligibility assessment

Each applicant may submit up to three applications for admission subject to eligibility assessment to Master of Science programmes offered by different Schools and Campuses. Application to the Master of Science in Engineering Physics – Ingegneria Fisica is subject to fulfilment of the following requirements:

Academic record requirements:

- Holding a first-level degree from Politecnico di Milano or having earned at least 120 effective ECTS credits by the application deadlines;

Subject-area requirements:

- Meeting the subject-area requirements set out in the table below, defined in relation to the Degree Class (Classe di Laurea):

Degree Class (Classe di Laurea)
L7 – Ingegneria Civile e Ambientale
L8 – Ingegneria dell'Informazione
L9 – Ingegneria Industriale

Applicants who meet the academic record requirements and the subject-area requirements are assessed by the appointed Committee, which will express its opinion on their eligibility and admissibility. The assessment is based on the applicants' previous academic background and on the adequacy of their personal preparation.

For some applicants, specific obligations or restrictions may apply to curriculum choices.

2. Admission procedures for applicants holding a First-Level Degree from Italian universities other than Politecnico di Milano

For applicants enrolled in a First-level programme at an Italian university, or holding a first-level degree from institutions awarding an Italian qualification, other than Politecnico di Milano, the application to the Master of Science programme is subject to the following requirements:

Academic record requirements:

- Holding a first-level degree from institutions awarding an Italian qualification, other than Politecnico di Milano, or having earned at least 120 effective ECTS credits by the application deadlines;

Subject-area requirements:

- Meeting the subject-area requirements set out in the table below, defined in relation to the Degree Class (Classe di Laurea):

Degree Class (Classe di Laurea)
L7 – Ingegneria Civile e Ambientale
L8 – Ingegneria dell'Informazione
L9 – Ingegneria Industriale
L30 – Scienze e Tecnologie Fisiche
L- Sc. Mat. – Scienze dei Materiali

Applicants who meet the academic record requirements and the subject-area requirements are assessed by the appointed Committee, which will express its opinion on their eligibility and admissibility. The assessment is based on the applicants' previous academic background and on the adequacy of their personal preparation.

For some applicants, specific obligations or restrictions may apply to curriculum choices.

3. Admission procedures for applicants holding a foreign qualification comparable to an Italian first-level degree

For applicants holding a foreign academic qualification comparable to an Italian first-level degree, application to the Master of Science programme is subject to fulfilment of the following requirements.

Academic record requirements:

- Holding a first-level degree or another equivalent qualification;

Applicants who meet the academic record requirements are assessed by the appointed Committee, which will express its opinion on their eligibility, admissibility, and any additional educational requirements or curriculum restrictions. The assessment is based on the applicants' overall academic background and on the adequacy of their personal preparation.