Academic, curricular and language requirements for Master's degree programme

Automation Engineering and Control of Complex Systems (Italian Code LM-25)

Academic and Curricular requirements	English proficiency requirements
• A bachelor's or higher degree awarded abroad. Undergraduates candidates are also accepted providing that they will obtain their bachelor's degree **before 31 July 2024**. • An adequate knowledge in basic subjects as mathematical and numerical analysis, linear algebra and geometry, probability and statistics, physics, chemistry. • An adequate knowledge in the subjects specific of the degree course as informatics, control and systems theory, electronics, information processing. • The ability to use methodological and operational aspects of mathematics and other basic sciences to describe engineering problems. Successful applicants come primarily from an academic background in the following Engineering fields: Automation, Electronics, Computer Science, Telecommunication, Electrical, Mechanical and Industrial. The level of the basic and subject specific knowledge will be evaluated by the student transcript in terms of ECTS (or hours) acquired and course marks. The methodological abilities will be evaluated by the course projects carried out during the student career or equivalent experiences.	Candidates who wish to register in the master's programme need to have good English language skills, both written and spoken. A **B2** level or higher of the Common European Framework of Reference (CEFR) for languages is required, attested by one of the following certifications: • **IELTS:** overall score greater than, or equal to, 5.5; • **TOEFL**: minimum total score 72; • **Cambridge: First Certificate in English (FCE)** or higher. **Exemption from the International English Certificate** • Native English-speaking students (self-declaration needs to be presented); • Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 30

Chemical Engineering for Industrial Sustainability (Italian Code LM-22)

Academic and Curricular Requirements	English Proficiency Requirements
• A bachelor's or higher degree awarded abroad. Undergraduates candidates are also accepted providing that they will obtain their bachelor's degree **before 31 July 2024**; • Successful applicants come primarily from an academic background in: a. chemical engineering, b. petroleum engineering; c. chemistry; d. industrial chemistry; e. industrial engineering; f. mechanical engineering; g. civil engineering; h. environmental engineering; i. materials engineering. Candidates may also be seconded from international organisations and national foreign services, provided they hold a university degree and have relevant professional experience compatible with the academic background required to enrol in the Degree Programme in Chemical Engineering for Industrial Sustainability (LM22).	Candidates who wish to register in the master's programme need to have good English language skills, both written and spoken. A **B2** level or higher of the Common European Framework of Reference (CEFR) for languages is required, attested by one of the following certifications: • **IELTS**: overall score greater than, or equal to, 5.5; • **TOEFL**: minimum total score 72; • **Cambridge: First Certificate in English (FCE**) or higher. **Exemption from the International English Certificate** • Native English-speaking students (self-declaration needs to be presented); • Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 40

Communications Engineering (Italian Code LM-27)

Academic and Curricular requirements	English proficiency requirements
• A bachelor's or higher degree awarded abroad. Nongraduated candidates are also accepted provided that they will obtain their bachelor's degree before **31 July 2024.** • An adequate knowledge in basic subjects such as mathematical and numerical analysis, linear algebra and geometry, probability and statistics, physics and chemistry. • An adequate knowledge in the subjects specific of the course such as analog and digital communications, networking, electronics, computer engineering and programming, system theory. • The ability to use methodological and operational aspects of mathematics and other basic sciences and to describe engineering problems. • Successful candidates have mainly an academic background in the following engineering fields: Electronic Engineering, Telecommunication Engineering, Automation Engineering, Electrical Engineering, Computer Engineering and Computer Science.	Candidates who wish to register in the master's programme need to have good English language skills, both written and spoken. A **B2** level or higher of the Common European Framework of Reference (CEFR) for languages is required, attested by one of the following certifications: • **IELTS:** overall score greater than, or equal to, 5.5; • **TOEFL**: minimum total score 72; • **Cambridge: First Certificate in English (FCE)** or higher. **Exemption from the International English Certificate** • Native English-speaking students (self-declaration needs to be presented); • Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 30

Data Science (Italian Code LM-data)

Academic and Curricular requirements	English proficiency requirements

• A bachelor's or higher degree awarded abroad. Undergraduate candidates are also accepted, provided that they will obtain their bachelor's degree before **31 July, 2024;**
• An academic background in one of the following fields:
  ○ Computer Science
  ○ Economics and management
  ○ Engineering
  ○ Mathematics
  ○ Physics
  ○ Statistics
• An adequate knowledge in the following subjects: computer science, mathematics, probability and statistics. Knowledge levels will be evaluated by means of acquired ECTS (or hours) and course marks (as indicated in the transcript).
	Candidates who wish to register in the master's programme need to have good English language skills, both written and spoken. A **B2** level or higher of the Common European Framework of Reference (CEFR) for languages is required, attested by one of the following certifications:
	• **IELTS:** overall score greater than, or equal to, 5.5;
	• **TOEFL**: minimum total score 72;
	• **Cambridge: First Certificate in English (FCE)** or higher.
	
	Exemption from the International English Certificate
	• Native English-speaking students (self-declaration needs to be presented);
	
	• Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 30

Electrical Engineering for Sustainable Green Energy Transition (Italian Code LM-28)

Academic and Curricular requirements	English proficiency requirements

• A bachelor's or higher degree awarded abroad. Undergraduates candidates are also accepted providing that they will obtain their bachelor's degree before **31 July 2024**;
• Successful applicants come primarily from an academic background in:
  • Electrical Engineering;
  • Electronics Engineering;
  • Industrial Engineering.
Candidates may also be seconded from international organisations and national foreign services, provided they hold a university degree and have relevant professional experience.
• an adequate knowledge in basic subjects as mathematical and numerical analysis, linear algebra and geometry, physics, chemistry, informatics, control and systems theory.
	Good Knowledge of the English language, at least **B2** level of the Common European Framework of Reference for languages attested as follows:
	• **IELTS:** overall score 5 or higher;
	• **TOEFL:** minimum total score 60;
	• **Cambridge ESOL:** Preliminary (PET); Business Preliminary (BEC) or higher.
	
	Exemption from the International English Certificate
	• Native English-speaking students (self-declaration needs to be presented);
	
	• Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 30

Electronic Engineering (Italian Code LM-29)

Academic and Curricular requirements	English proficiency requirements
• A bachelor's or higher degree awarded abroad. Undergraduate candidates are also accepted providing that they will obtain their bachelor's degree before **31 July 2024**. • An adequate knowledge of basic subjects such as mathematical and numerical analysis, linear algebra and geometry, probability and statistics, physics, and chemistry. • An adequate knowledge of the subjects specific to the course such as analog and digital electronics, circuit theory, telecommunications, control and systems theory, and informatics. • The ability to use methodological and operational aspects of mathematics and other basic sciences to describe engineering problems. Successful candidates have mainly an academic background in the following engineering fields: Electronic Engineering, Telecommunication Engineering, Automation Engineering, Electrical Engineering, Computer Engineering, and Computer Science. The level of the basic and subject specific knowledge will be evaluated from the student transcript in terms of ECTS acquired and course marks.	Good Knowledge of the English language, at least B2 level of the Common European Framework of Reference for languages attested as follows: • **IELTS:** overall score greater than, or equal to, 5.5; • **TOEFL**: minimum total score 72; • **Cambridge: First Certificate in English (FCE)** or higher. **Exemption from the International English Certificate** • Native English-speaking students (self-declaration needs to be presented); • Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 30

Global Politics and Euro-Mediterranean Relations (Italian Code LM-62)

Academic and Curricular requirements	English proficiency requirements

• A bachelor's or higher degree awarded abroad. Undergraduates candidates are also accepted providing that they will obtain their bachelor's degree before **31 July 2024;**
• Successful applicants come primarily from an academic background in:
  ○ Political Science, EU studies, International Relations, Diplomatic Studies, Area Studies, Development studies;
  ○ Cultural and social studies, Humanities and history, Communication studies, Modern Languages;
  ○ International and/or EU law, international and /or EU economics.
• Candidates that hold a University degree with different academic background may also be considered if they are seconded from international organisations and national foreign services, and have relevant professional experience.
	Candidates who wish to register in the master's programme need to have good English language skills, both written and spoken. A **B2** level or higher of the Common European Framework of Reference (CEFR) for languages is required, attested by one of the following certifications:
	• **IELTS:** overall score greater than, or equal to, 5.5;
	• **TOEFL**: minimum total score 72;
	• **Cambridge: First Certificate in English (FCE)** or higher.
	
	Exemption from the International English Certificate
	• Native English-speaking students (self-declaration needs to be presented);
	
	• Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 50

Physics (Italian Code LM – 17)

Academic and Curricular requirements	English proficiency requirements
• A bachelor's or higher degree awarded abroad obtained since no more than six years. Undergraduates candidates can be also accepted providing that they will obtain their bachelor's degree before **31 July 2024**; • An adequate academic background in Physics and Mathematics which includes an introductory course in quantum mechanics.	Good Knowledge of the English language, at least **B2** level of the Common European Framework of Reference for languages attested as follows: • **IELTS:** overall score **5.5** or higher; • **TOEFL**: minimum total score **80**; • **Cambridge ESOL**: **First certificate in English (FCE)** or higher. **Exemption from the International English Certificate** • Native English-speaking students (self-declaration needs to be presented); • Students with declaration from the University where the bachelor's or master's degree was achieved stating that English was the official language of the course.

Candidates awarded a score of **50**/100 or more will be considered suitable.

Number of places: 15