Created in 1934, the Universidade de São Paulo (USP) is one of the most important institutions of higher education and research in Brazil, and deals with the education of most Brazilian students and Ph.D. students. It is a public university, funded by the State of São Paulo and affiliated with SDECTI - Secretaria de Desenvolvimento Econômico, Ciência, Tecnologia and Inovação (Secretariat for Economic Development, Science, Technology and Innovation). The first Brazilian university, in 2017, according to the Academic Ranking of World Universities (ARWU) which ranks the 500 best universities in the world, it is ranked between the 151st and the 200th position in the world according to this ranking. It offers 249 Study Programmes in every field of knowledge, divided in 42 units of education and research and offered to more than 58,000 students. The USP has 8 Campuses in São Paulo, Ribeirão Preto, Piracicaba, São Carlos, Santos, Pirassununga, Bauru and Lorena, and has very close contacts with several museums and research centres in the area. The new globalization needs have sped up the internationalization process of education and research activities, with excellent results, through a combination of tradition and innovation in order to make move forward the development of Brazilian society and the whole world. With this university, Politecnico di Milano has a long tradition of exchanges and Double Degree agreements, concerning all schools.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The agreement is open between the Design Schools of Politecnico di Milano and Facultade de Arquitectura e Urbanismo (Curso de Design) of USP (FAU-USP).

The USP Design Programme, based at the Department of Architecture and Urban Planning was founded in February 2006, with its first class in 2010. The general objective of the design programme is to train a Design expert, with an interdisciplinary, critical and propositional training, able to deeply understand the different aspects of his/her work, by identifying the needs of society and users for whom s/he designs solutions and provides answers, through design, to contemporary problems of human and social development, and also by taking into account socio-cultural, political-economic, technological, historical and environmental aspects. This expert, a graduate student in design, will be able to design thanks to an interdisciplinary approach, including visual design, product design, service design and system design, taking into account the characteristics of users and socio-cultural,
political, potential economic and environmental aspect, as well as the economic and technological possibilities and limitations of the production units in which the systems, products and services will be developed if used.

It is a programme with a general profile, and lessons are held by professors from three different departments of FAU (Department of Architecture History and Aesthetics of the Project, Department of Design and Department of Architecture Technology) and from three partner units (Departments of Communication and Arts, Public Relations, Advertising and Tourism and Cinema, Radio and Television of the School of Communication and Arts, Department of Administration of the Faculty of Economics Administration and Accounting, Departments of Computer Science and Digital Systems and Production of the Polytechnic School of USP).

The lessons take place in the building of the Faculty of Architecture and Urban Planning of USP

Structure of the double degree programme

The double degree for students of Industrial Product Design or Communication Design at Politecnico di Milano lasts 6 semesters. The departure for FAU-USP is planned for the 2nd semester of the 1st year of LM, then, you will continue your studies at the partner university for 4 semesters and then you complete your career with a last semester at Politecnico di Milano.

The courses at FAU-USP are provided in Brazilian (Portuguese).

At the end of your career, you will have to produce and present (also by videoconference) in both institutions a final work in Italian and in the foreign language.

You will obtain the qualification of "LM in Design" at Politecnico di Milano and "Bacharelem Design" at FAU-USP.

Contact: mario.bisson@polimi.it

Sito web: https://www5.usp.br/#english

Sito Exchange:
Located in the north-western outskirts of Beijing, Tsinghua University was founded in 1911, originally its name was "Tsinghua Xuetang". The school was renamed "Tsinghua School" in 1912. The university section was founded in 1925. The name "National Tsinghua University" was adopted in 1928. After the start of the Anti-Japanese War in 1937, Tsinghua University, Peking University and Nankai University merged to create the Kunming National Southwestern Associated University. After the war, Tsinghua University returned to its original campus in Beijing. Three years after the birth of the People's Republic of China, a national reorganization of higher education institutions began and, in 1952, Tsinghua University became a multidisciplinary polytechnic university specialized in training engineers. In November of that year, the Ministry of Education named as president Jiang Nanxiang.

Since 1978, Tsinghua University has strengthened its teaching in science, economic management, humanities and law. In 1999, Tsinghua opened the School of Arts and Design by merging with the Central Academy of Arts and Design. In 2012, the Graduate School of the People's Bank of China (PBC) merged into Tsinghua University as a Finance School of Tsinghua University. Today, Tsinghua has become a leading university: with its main education focused on engineering, at the same time, it offers degrees in other sciences, liberal arts, management and law. With the words "Self-discipline and social commitment" and by keeping in mind the thought "Actions speak more than words", Tsinghua University is dedicated to the well-being of Chinese society and to world development.

**DOUBLE DEGREE AGREEMENT DESCRIPTION**

The agreement is open between the Design Schools of Politecnico di Milano and the Academy of Arts and Design.

The teaching philosophy and educational setting of the Academy of Arts and Design in Tsinghua University have been important aspects of the development of modern Chinese art and design education. Since its foundation, the Academy of Arts and Design - taking into account the needs of the country and public - has carried out and participated in the main artistic and design projects of China, by correctly fulfilling the role of a national research institute for art and the design. The Academy has developed the concepts of "arts and crafts", "industrial design" and "art design" for its programmes at different stages in past years, with an important role in the direction of Chinese design.
**Structure of Double Degree Programme**

Application to the international mobility call during 1st year of LM and departure during the 2nd year of LM (1st semester). Students enrolled in the following programmes can apply: Communication Design; Design for the Fashion System; Interior and Spatial Design; Integrated Product Design.

The Double Degree programme with Tsinghua University lasts a total of 5 semesters. The departure for Tsinghua University (Academy of Arts and Design) is planned for the 2nd semester of the 2nd year of the LM programme and you will continue your studies at the partner institution for 2 semesters, at the end of which you will must present your final work at Tsinghua university.

You will come back at Politecnico di Milano and you will conclude with the LM exam at the end of your career at Politecnico di Milano.

The Graduation work will be jointly supervised by the managers assigned by each institution and must be in English, with a summary in Italian and Chinese in both Institutions.

You will obtain the qualification of “LM in Design” from Politecnico di Milano and “Master of Fine Arts” from Tsinghua University of Beijing.

**Contact:** luca.guerrini@polimi.it

**Sito web:** [http://www.tsinghua.edu.cn](http://www.tsinghua.edu.cn)

Tongji University is one of the leading universities in China located in Shanghai, the most international city in the country. It was founded in 1907 when Erich Paulun, a German doctor in Shanghai, inaugurated the German Medical School. After being renamed Tongji German Medical School the following year, in 1923, it was formally established as a university. The name Tongji, phonetic approximation of the German word deutsche (which means German), suggests the idea of cooperation (同) in crossing a river (济), an idea that is taken in the University logo. In 1927, it became National Tongji University, one of China's seven oldest national universities. Around 1949, Tongji already had five colleges of natural sciences, engineering, medical sciences, liberal arts and law, and enjoyed an excellent reputation as a complete university at national and international level. After a national university reorganization campaign in 1952, Tongji became an engineering university famous in civil engineering and architecture. In 1978, it started its transformation process in an international university by creating new connections with Germany and it has become a multidisciplinary engineering university instead of one mainly focused on civil engineering. In 2006, a cooperation agreement was signed between Chinese and Italian government with creation of the POLITONG programme, a collaboration between Politecnico di Milano and Tongji University, which includes double degree programmes of first level and LM programmes in the fields of design, engineering and architecture. In 2007, the hundredth anniversary of Tongji foundation sets the goal of becoming a global, international, research-oriented university with different characteristics and global influence. In 2013, the university proposed its point of view of "a world-class university oriented towards sustainability". The university now covers 10 wide categories of academic fields, including design, engineering, science, medicine, management, economics, philosophy, literature, law, education and art.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The Design & Innovation College hosts all the design programmes available at Tongji University, in its new location just some minutes away from Siping Campus, the main campus in Shanghai. With a broad international scope, the College aims to face global challenges and improve the quality of life through design, by promoting social innovation and sustainable development activities. The L and LM programmes have been activated in the last decade, together with a wide collaboration with local and international companies that allowed to consider now the College a Chinese
The agreement is open between the Design School of Politecnico di Milano and the Design & Innovation (D&I) College of the Tongji University.

The Double Degree programme with Tongji University for Design students of Politecnico di Milano is available since 2007. More than 110 students have obtained Double Degree in both institutions.

In order to take this opportunity, every year, there is a call for international mobility which allows, if pre-selected by the Politecnico di Milano for this institution, to start, during the following academic year, this double degree career. Departure is subject to acceptance of the partner institution.

Structure of Double Degree Programme

Students enrolled in the following programmes can apply: Communication Design; Digital and Interaction Design; Integrated Product Design, Interior and Spatial Design; Product Service System Design.

The Double degree programme lasts a total of 5 semesters (up to 6). The departure for Tongji University (D&I) is scheduled for the 2nd semester of the 2nd year of LM programme, with a duration of two semesters (up to 3).

The programmes at Tongji University (D&I) are provided in English and consist of laboratory and theoretical courses. During the exchange, the curricular internship will be held at research centres, professional firms, agencies and companies in China. At the end of the career, you must prepare a joint final work under the supervision of two supervisors, at your choice, one from each university. The final work must be presented in English, with an abstract in Italian and Chinese in both Institutions.

You will obtain the qualification of “LM in Design” from Politecnico di Milano and “Master of Fine Arts” (shuo shi degree) from Tongji University of Shanghai.

Contact: davide.fassi@polimi.it

Sito web: https://www.tongji.edu.cn/

UNAL, Universidad Nacional de Colombia was created in 1867 as a university institution with full autonomy connected to the Ministry of National Education, with public and state special scheme. It fulfils functions to promote development of higher education at its highest levels, to facilitate access and enhance education, research, sciences and artistic creation to achieve the excellence. Thanks to its national character, the aim is to contribute to the identity of the nation while respecting its diversity.

The institution consists of eight locations: Amazonia, Caribe, Bogotá, Manizales, Medellín, Orinoquia, Palmira, Tumaco. Its Faculty of Engineering aims to train professionals able to answer to the needs of society, with a commitment to scientific research and technological and social development of the country. In this way it wants to contribute to the transformation of the country through the creation, conservation and transfer of knowledge, both to public and private sector, through technological innovation and transfer of know-how produced by members of the department's academic community.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The agreement is open between the Design Schools of Politecnico di Milano and Facultad des Artes, di UNAL, Bogotà Campus.

UNIVERSIDAD NACIONAL DE COLOMBIA through the collaboration between the School of Industrial Design and the School of Graphic Design provides the Master in Design, with a research programme. The new reference subject areas of this master highlight the main definition and function of design, therefore, it provides a wide range of possibilities, both for education and professional approach.

Structure of Double Degree Programme;

The double degree for students of Communication Design at Politecnico di Milano lasts 6 semesters. The departure for UNAL Bogotà is planned for the 2nd semester of the 2nd year of LM, then, you will continue your studies at the partner university for 3 semesters.

The courses at UNAL Bogotà are provided in Spanish, for this reason the certificate of language knowledge is required.

At the end of the career you must prepare a joint final work or "trabajo de grado" under the supervision of the managers assigned by each institution and must be presented in Italian or Spanish, with a summary in English.
You will obtain the qualification of "LM in Communication Design" from Politecnico di Milano and "Maestría en Diseño" from Universidad Nacional de Colombia, Bogotà headquarters.

Contact: marisa.galbiati@polimi.it

Sito web: http://artes.bogota.unal.edu.co/

Sito Exchange: www.dre.unal.edu.co/nc/enx/movilidad/incoming.html
“We teach complexity”.

With these words, the Ecoles Centrales Group partners, coming to our University every year, open their presentation to the students of Politecnico di Milano. It is true that, having a creative point of view and an open approach to the world, a strong initiative and knowing how to manage complex projects thanks to the study of scientific and humanistic subjects, are the real characteristics of the "Centralien", the graduate student of one of these schools. Being a "Centralien" is a real social status, recognized throughout France and all over the world. One of the most famous "Centralien" is Gustave Eiffel.

CentraleSupelec, was founded in 2015, from two historic French universities, the Ecole Centrale Paris, founded in 1829, and the Ecole Supérieure d'Eléctricité (Supelec).

Part of a biggest project of creation of a new scientific, research and development center, named Université Paris-Saclay, the university is in the Top Ten of the "Grandes écoles", the famous engineering schools that train the managers of the leadership of the country. More than 60% of the presidents and directors of the 100 largest French companies come from one of these institutions.

Every year, thousands of French students try this national examination to enter the school, but only 4% of them is admitted. Thanks to the Double Degree Agreement with CentraleSupélec, Politecnico di Milano, since more than 20 years, can send dozens of students to this institution, who are directly admitted to attend classes and obtain the "Diplôme d'ingénieur" at the end of their academic career.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The double degree with CentraleSupélec allows students who complete the programme to obtain the Master Degree in Design and Engineering at Politecnico di Milano and the "Diplôme National de Master in Complex Systems Engineering

The Master's programme in Complex Systems Engineering trains students to understand the modelling, design and management of systems, processes and product organizations (in particular related to the industrial field), based on modelling sciences, system engineering, system science and industrial engineering. In terms of disciplines, this Master is a combination of applied mathematics, IT, operational research, mechanics, automation, economics, management of design and production tools.
It is also related to organizational science, the analysis of systems of interactive agents and the study of technical and organizational systems. Students will learn how to create connections among modelling, digital simulation, design, management and optimizing social and technical systems for industry and services.

The Master programme coordinated by the CentraleSupélec campuses (Châtenay-Malabry and Gif-sur-Yvette) is developed in collaboration with the associated institutions of the Université Paris-Saclay. It is presented in the "School: Engineering, Computer Science and Information Technologies" section.

Please visit: https://www.universite-paris-saclay.fr/en/education/schools

Structure of the double degree programme

The double degree for students of MSc Design and Engineering of Politecnico di Milano lasts 6 semesters. The departure for CentraleSupélec is planned for the 2nd semester of the 2nd year of Master Degree, then, you will continue your studies at the partner university and you can attend the Master in Complex Systems Engineering for three semesters (½ M1 + M2).

Some courses at CentraleSupélec are provided in English. At the end of the programme, you must produce and present, in both institutions, a final work in English (with a summary in Italian) or in Italian (with a summary in English).

Contact: barbara.delcurto@polimi.it

Sito web: http://www.centralesupelec.fr/

“We teach complexity”.

With these words, the Ecoles Centrales Group partners, coming to our University every year, open their presentation to the students of Politecnico di Milano. It is true that, having a creative point of view and an open approach to the world, a strong initiative and knowing how to manage complex projects thanks to the study of scientific and humanistic subjects, are the real characteristics of the "Centralien", the graduate student of one of these schools. Being a "Centralien" is a real social status, recognized throughout France and all over the world. One of the most famous "centralien" is Gustave Eiffel. The University is part of the "Grandes écoles", the famous engineering schools that train the managers of the leadership of the country. More than 60% of the presidents and directors of the 100 largest French companies come from one of these institutions. Every year, thousands of French students try this national examination to enter one of these Schools, but only 4% of them is admitted. Thanks to the Double Degree Agreement with Centrale Nantes, Politecnico di Milano, since more than 20 years, can send dozens of students to this institution, who are directly admitted to attend classes and obtain the qualification equivalent to Master of Science at the end of their academic career. Founded in 1857, by a businessman and humanist and a professor, with the name of École Centrale lyonnaise pour l'Industrie et le Commerce, the School of Engineering of Lyon wanted to train students in the field of chemistry, industrial mechanics, civil construction and industrial design. During its 160 years of history, it has kept its first purpose together with a wider point of view on general training, able to train engineers open to the world and to its challenges. Through scientific accuracy and the study of humanities and social subjects, it wants to create a profile of graduate student that knows how to be a leader and has managerial duties and focused on international market. Commitment, respect for diversity and being enthusiast. These are the key words of the campus: to give students the opportunity to improve through their commitment. Give each one a chance. Respect the culture diversity and let it become a strength. Give the tools to be able to dare, and knowing how to realize your dreams.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The double degree with Ecole Centrale Lyon allows students who complete the programme to obtain the Master Degree degree in Design and Engineering at Politecnico di Milano and the “Diplôme National de Master” at Ecole Centrale Lyon.

Structure of Double Degree Programme;
The double degree for students of MSc Design and Engineering of Politecnico di Milano lasts 6 semesters. The departure for Ecole Centrale Lyon is planned for the 2nd semester of the 2nd year of Master Degree, then, you will continue your studies at the partner university and you can attend courses for three semesters.

At the end of the programme, you must produce and present, in both institutions, a final work in English (with a summary in Italian) or in Italian (with a summary in English).

Contact: barbara.delcurto@polimi.it

Sito web: www.ec-lyon.fr

“We teach complexity”.
With these words, the Ecoles Centrales Group partners, coming to our University every year, open their presentation to the students of Politecnico di Milano.
It is true that, having a creative point of view and an open approach to the world, a strong initiative and knowing how to manage complex projects thanks to the study of scientific and humanistic subjects, are the real characteristics of the "Centralien", the graduate student of one of these schools.
Being a "Centralien" is a real social status, recognized throughout France and all over the world.
One of the most famous "centralien" is Gustave Eiffel.
The university is part of the "Grandes écoles", the famous historical engineering schools that train the managers of the leadership of the country.
More than 60% of the presidents and directors of the 100 largest French companies come from one of these institutions.
Every year, thousands of French students try this national examination to enter one of these Schools, but only 4% of them is admitted.
Thanks to the Double Degree Agreement with Centrale Nantes, Politecnico di Milano, since more than 20 years, can send dozens of students to this institution, who are directly admitted to attend classes and obtain the qualification equivalent to Master of Science at the end of their academic career.

DOUBLE DEGREE AGREEMENT DESCRIPTION

The double degree with Central Nantes allows students who complete the programme to obtain the Master Degree degree in Design and Engineering at Politecnico di Milano and the “Diplôme National de Master” in one of the Masters offered at École Centrale Nantes: Materials, Processes and Technology of Composites (M-ENG MPTC) or Advanced Manufacturing (M-ENG AM).

Master in Materials, Processes and Technology of Composites (M-ENG MPTC)
This Master develops skills to provide innovative and optimized solutions in the design and production of composite materials for research and industry. The performance of composite materials and fiber-reinforced organic matrix structures are influenced by the building materials and manufacturing phase. The mechanical composite design can be properly and efficiently performed when you have a good understanding of their connections and constraints of production. Therefore, the courses offered in this programme will focus on theoretical and experimental connections among components, processing and structural design, through the development of skills such
as: simulating and optimizing design and composite mechanical production using numerical tools; modelling the behaviour and physics of materials involved in the composite processes and characterizing and manufacturing composite materials, and in general, identifying models, performing simulation and analysing results, communicating the final results clearly, carrying out bibliographic research with references to international literature, manage and be part of a project.

The Master in Advanced Manufacturing (M-ENG AM)
This Master develops skills to provide innovative and optimized solutions in advanced design and production of products and facilities for research and industry. The courses are based on theoretical and practical aspects and cover the following areas: mechanical design of mechanisms and innovative products and design of customer-oriented products. Technical, human and economic factors are also taken into account. In this process, the following skills are developed: improvement of innovative processes and products for composite and metal materials and structures, designing products related to processes, working in an integrated numerical environment and in a global design and production chain, and in general, identify models, perform simulations and analyse their results, communicate these results clearly, carry out bibliographic researches with references to international literature, manage and be part of a project. This programme was called before Design of Systems and Products.

Structure of the double degree programme

The double degree for students of MSc Design and Engineering of Politecnico di Milano lasts 6 semesters.
The departure for École Centrale Nantes is planned for the 2nd semester of the 2nd year of Master Degree, then, you will continue your studies at the partner university and you can attend the Master in Materials, Processes and Technology of Composites at École Centrale Nantes (M-ENG MPTC) or the Master in Advanced Manufacturing (M-ENG AM) for three semesters (½ M1 + M2).
The courses, at École Centrale Nantes, are provided in English.
At the end of the programme, you must produce and present, in both institutions, a final work in English (with a summary in Italian) or in Italian (with a summary in English).

Contact: barbara.delcurto@polimi.it

Sito web: www.ec-nantes.fr

Sito Exchange: https://www.ec-nantes.fr/venir-etudier-a-centrale-nantes/