University of Milan

Innovation and tradition to build the future
Top Italian University in the major international rankings

High quality teaching in a broad spectrum of fields

Main campus in Milan city centre

The only Italian University among the 21 members of LERU (League of European Research Universities)
Key figures in 2016

Academic and Research Facilities

- 8 Faculties and 2 Schools
- 32 Research Departments
- 22 Main Libraries
- A digital library with 62,522 e-journals, 368,940 e-books and 187 databases

Staff

- 2,140 Tenured professors
- 120 Visiting professors/scholars
- 1,917 Technical and administrative staff
Key figures in 2016

Study programmes

• 65 Bachelor programmes (3 years)
• 55 Master programmes (2 years)
• 9 Single-cycle courses (5-6 years)
• 33 Doctoral programmes
  (3-4 years)

Vocational study programmes

• 26 Vocational master’s courses
  (1-2 years)
• 85 Short courses
• 67 Postgraduate schools
  of professional specialisation

Students

Total enrolled: 65,933

• 38,169 Undergraduate
• 22,651 Master’s and single-cycle students
• 4,055 Postgraduate professional specialisation students
• 1,058 PhD students
The University campuses

Main campus

Cà Granda: a Renaissance palace in the heart of the city centre
One of the most historically and artistically significant buildings in Milan

Other campuses

Scientific faculties and research centres are located in the area called Città Studi and in modern campuses around the city
Heritage

- APICE centre: an archive of rare and valuable books
- Astronomical Museum
- Didactic Museum of Zoology
- Papyrus collection and Papyrology Library
- Botanical gardens in town and on the shores of Lake Garda
- Gargnano villa on Lake Garda for summer courses
The Italian university system

<table>
<thead>
<tr>
<th>Courses</th>
<th>Degrees</th>
<th>Credits</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>bachelor</td>
<td>180</td>
<td>3</td>
</tr>
<tr>
<td>Master</td>
<td>master’s degree</td>
<td>120</td>
<td>2</td>
</tr>
<tr>
<td>Single-cycle</td>
<td>master’s degree</td>
<td>300-360</td>
<td>5-6</td>
</tr>
<tr>
<td>Doctorate</td>
<td>doctoral degree</td>
<td>-</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td>(admission with master’s degree)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Vocational study programmes**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt; level vocational master</td>
<td>diploma</td>
<td>60+</td>
<td>1+</td>
</tr>
<tr>
<td>(admission with bachelor)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt; level vocational master</td>
<td>diploma</td>
<td>60+</td>
<td>1+</td>
</tr>
<tr>
<td>(admission with master’s degree)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialisation schools</td>
<td>specialisation diploma</td>
<td>60-300</td>
<td>1-5</td>
</tr>
</tbody>
</table>
Governance of Italian universities

**Rector**
chairs two collegial governing bodies

**Academic Senate**
(Senato accademico)

**Board of Directors**
(Consiglio di amministrazione)

**Director**
is the head of the administrative structure

**Faculties or Schools**
are the units that coordinate the teaching activities of a group of Departments

**Departments**
are responsible for research and teaching activities
The University of Milan and its Areas of Study

**Area: Economics, Law and Social Sciences**
- Political, Economic and Social Sciences (Scienze Politiche, Economiche e Sociali)
- Law (Giurisprudenza)

**Area: Humanities**
- Humanities (Studi Umanistici)
- Language Mediation and Intercultural Communication (Mediazione Linguistica e Culturale)

**Area: Medicine and Healthcare**
- Medicine (Medicina e Chirurgia)
- Veterinary Medicine (Medicina Veterinaria)
- Pharmacy (Scienze del Farmaco)
- Exercise and Sports Sciences (Scienze Motorie)

**Area: Science**
- Agricultural and Food Sciences (Scienze Agrarie e Alimentari)
- Science and Technology (Scienze e Tecnologie)
Humanities

Research and teaching in all fields of the humanities, covering the entire chronological range from the earliest times to the present day.

Many programmes sharing the same purpose: the development of the theoretical, historical and methodological heritage of the human sciences.

Departments

• Cultural Heritage and Environment
• Foreign Languages and Literatures
• Historical Studies
• Literary Studies, Philology and Linguistics
• Philosophy
Humanities

Bachelor programmes - 3 years

- Foreign Languages and Literatures
- History
- Human Science of Environment, Landscape and Territory
- Humanities
- Italian Language and Culture for Foreigners (*online inter-university programme*)
- Liberal Studies in Communication
- Philosophy
- Science of Cultural Property
Humanities

Master programmes - 2 years

- Archaeology
- European and Extraeuropean Languages and Literatures\(^1\)
- Historical Studies\(^2\)
- History and Criticism of Art
- Modern Humanities

- Music, Theatre and Film
- Philology, Literature and History of Antiquity
- Philosophical Sciences
- Publishing and Communication, Fashion Cultures

\(^1\) Double degree with: Université d’Avignon et des Pays de Vaucluse and Articulation Agreement with Manchester Metropolitan University

\(^2\) Double degree with: Université Pierre Mendès-France, Grenoble and with Université de Aix-Marseille
Political, Economic and Social Sciences

The largest and most qualified concentration of social scientists in Italy.

Innovative combination of study programmes in economics, sociology, political science, history, law, psychology and linguistics.

Departments

- Economics, Management and Quantitative Methods (DEMM)
- International, Legal, Historical and Political Studies (DILHPS)
- Social and Political Sciences (SPS)
Political, Economic and Social Sciences

Bachelor programmes - 3 years

• Communication and Society\textsuperscript{1}
• Economics and Management
• International Studies and European Institutions
• Labour and Management
• Political Sciences - in English
• Public Management
• Social Sciences for Globalisation

\textsuperscript{1} Double degree with: John Cabot University in Rome
Political, Economic and Social Sciences

Master programmes - 2 years

- Administration and Public Policy
- Economics and Finance - *in English*
- Economics and Political Science\(^2\) - *in English*
- International Relations - *in English*
- Management of Human Resources and Labour Studies\(^3\) - *in English*
- Management of Innovation and Entrepreneurship
- Political Science and Government
- Public and Corporate Communication - *in English*

\(^2\) Double degree with: Università Catholique de Louvain, Université de Namur
\(^3\) Double Degree with: Universitaet Bremen
Law

Established in 1924, Law has maintained its initial prestige through the work of many great thinkers.

It offers a wide range of courses and deals with many areas of research; particular attention is dedicated to international relations.

Departments

• Italian and Supranational Public Law
• Law “Cesare Beccaria”
• Private Law and Legal History
Law

Bachelor programmes - 3 years
- Sciences of Legal Services

Master programmes - 2 years
- Sustainable Development - in English

Single-Cycle Degree - 5 years
- Law\(^1\) - partly in English

\(^1\) Double degree with: Université Toulouse1-Capitole
The Area Language Mediation and Intercultural Communication offers two very innovative programmes.

It provides students with an advanced knowledge of foreign languages and cultures combined with solid competencies in the economic, legal and social fields.

Departments

• Studies in Language Mediation and Intercultural Communication
Language Mediation and Intercultural Communication

Bachelor programmes - 3 years

- Language Mediation and Intercultural Communication

Master programmes - 2 years

- Languages and Cultures for International Communication and Cooperation

1 Two Double Degree Agreements with: Universidad de Valladolid

2 Articulation Agreement with: Manchester Metropolitan University
Medicine

Medicine boasts one of the highest rates of scientific production in the country and academic programmes that cover the entire spectrum of medical training, from medicine and medical biotechnology to dentistry and nursing science.

Departments

- Biomedical and Clinical Sciences “L. Sacco”
- Biomedical Sciences for Health
- Biomedical, Surgical and Dental Sciences
- Clinical Sciences and Community Health
- Health Sciences
- Medical Biotechnology and Translational Medicine
- Pathophysiology and Transplantation
- Oncology and Hematology
Medicine

Bachelor programmes - 3 years

- Audiometric Techniques
- Audioprothesic Techniques
- Biomedical Laboratory Techniques
- Biotechnology (inter-area programme)
- Cardiocirculatory and Cardiovascular Perfusion Techniques
- Childhood Neuro and Psychomotricity
- Dental Hygiene
- Dietistic
- Environment and Workplace Prevention Techniques
- Health Assistance
- Imaging and Radiotherapy Techniques
- Medical Biotechnology
- Midwifery
- Neurophysiopathology Techniques
- Nursing
- Occupational Therapy
- Orthopaedics Techniques
- Orthoptic and Ophtalmologic Assistance
- Pedriatic Nursing
- Physiotherapy
- Podiatry
- Professional Education
- Psychiatric Rehabilitation Techniques
- Speech and Language Therapy
Medicine

Master programmes - 2 years

- Cognitive Sciences and Decisional Processes
- Human Nutrition and Food Science (jointly run with Agricultural and Food Sciences)
- Health Professions of Prevention Sciences
- Health Professions of Rehabilitation Sciences
- Health Profession of Technical Sciences (assistential)
- Health Profession of Technical Sciences (diagnostic)
- Medical Biotechnology and Molecular Medicine - in English
- Nursing and Midwifery Sciences

Single-cycle degrees - 6 years

- Dental Medicine
- International Medical School - in English
- Medicine and Surgery
Veterinary Medicine

Established in 1791 as the College of Veterinary Studies. Recently-opened Veterinary Hospital and a diagnostic centre specialising in large animals in the new Lodi campus.

High-level study and research activities from basic veterinary disciplines to the latest research developments in the field.

Departments

• Health, Animal Science and Food Safety (VESPA)
• Veterinary Medicine
Veterinary Medicine

Bachelor programmes - 3 years

- Animal Husbandry and Welfare
- Animal Production
- Biotechnology (*inter-area programme*)
Veterinary Medicine

Master programmes - 2 years

- Animal Husbandry Sciences and Technologies
- Veterinary Biotechnology Sciences

Single-cycle degrees - 5 years

- Veterinary Medicine
Pharmacy

One of the most advanced Pharmacy faculties in Italy.

The study programmes are designed to meet different goals, while encouraging synergies among the various educational fields - biology, chemistry and technology.

Departments

• Pharmacological and Biomolecular Sciences (DISFEB)
• Pharmaceutical Sciences (DISFARM)
Pharmacy

Bachelor programmes - 3 years

- Biotechnology (inter-area programme)
- Chemical Safety and Toxicological Environmental Sciences
- Herbal Sciences and Technologies (jointly run with Agricultural and Food Sciences)

Master programmes - 2 years

- Pharmaceutical Biotechnology
- Safety Assessment of Xenobiotics and Biotechnological Products - in English

Single-cycle degrees - 5 years

- Pharmaceutical Chemistry and Technology
- Pharmacy
Exercise and Sports Sciences

The main object of the Area’s teaching and research is human health and psychophysical wellbeing.

Study programmes include such disciplines as Anatomy, Biology, Physiology, Biochemistry and Endocrinology, as well as practical activities, such as individual and team sports.

Departments

• Biomedical Sciences for Health
Exercise and Sports Sciences

**Bachelor programmes - 3 years**
- Exercise, Sport and Health Sciences

**Master programmes - 2 years**
- Exercise Science for Healthy Life
- Individual and Team Sport Science
Agricultural and Food Sciences

Founded as a School of Agriculture in 1871, today the largest faculty of Agriculture in Italy.

Research activities from sustainable agriculture and environmental protection to food processing and technical and economic management of agriculture and food activities.

Departments

• Agricultural and Environmental Sciences - Production, Landscape, Agroenergy
• Food, Environmental and Nutritional Sciences (DeFENS)
Agricultural and Food Sciences

Bachelor programmes - 3 years

- Agricultural Science and Technology
- Agricultural Technology for the Environment
- Biotechnology (*inter-area programme*)
- Food Service Science and Management
- Herbal Sciences and Technologies (*jointly run with Pharmacy*)
- Improvement and Protection of Mountain Environments
- Management of Cultivated Plants and Landscaping
- Food Science and Technology
- Viticulture and Enology
Agricultural and Food Sciences

Master programmes - 2 years

- Agricultural Sciences
- Agro-Environmental Sciences
- Crops and Plant Sciences
- Environmental and Food Economics - in English
- Human Nutrition and Food Science (jointly run with Medicine)
- Green Areas and Landscape Design (inter-university programme)

- Nutritional Sciences
- Plant, Food and Environmental Biotechnology
- Viticulture and Enology Sciences (inter-university programme)
Science and Technology

Research and educational activities in the areas of mathematics, physics, chemistry, biology, informatics, earth sciences and related interdisciplinary topics. A wide spectrum of scientific activities with direct industrial applications.

Departments
• Chemistry
• Computer Science
• Earth Sciences “Ardito Desio”
• Life Sciences
• Mathematics “Federigo Enriques”
• Physics
Science and Technology

Bachelor programmes - 3 years

- Biological Sciences
- Chemistry
- Computer Science
- Computer Science for New Media Communications
- Computer Systems and Networks Security - also online
- Geological Sciences
- Industrial Chemistry

- Mathematics
- Music Information Science
- Natural Sciences
- Physics
- Science and Technology for Studying and Preserving the Cultural Heritage and Information Storage Media
Science and Technology

Master programmes - 2 years

- Applied Biology in Nutritional Sciences
- Biodiversity and Evolutionary Biology
- Biology Applied to Research in Biomedicine
- Chemistry\(^1\) - partly in English
- Computer Science\(^2\) - in English
- Cultural Heritage Conservation Science
- Earth Sciences

- Industrial Chemistry - in English
- Informatics Security
- Mathematics\(^3\)
- Molecular Biology of the Cell - in English
- Molecular Biotechnology and Bioinformatics - in English
- Nature Sciences
- Physics

\(^1\) Double degree with: Université Paris Diderot and Université de Strasbourg

\(^2\) Double degree with: S. Seifullin Kazakh Agro Technical

\(^3\) Double degree with: Université de Bordeaux, Université de Paris - Sud, University of Leiden, Concordia University, University of Stellenbosch, Chennai Institute of Technology, Università di Padova, University of Regensburg and University of Essen
**Doctoral Programmes**

**33 Doctoral Programmes** in several fields of study, with highly specialized training and research activities.

Students holding a master’s degree are admitted on the basis of competitive selection and most of them are supported by fellowships.

Strong **international orientation**, with a high percentage of foreign students and visiting professors and with several dual PhD agreements.
Area: Economics, Law and Social Sciences

- Comparative, Private and Civil Procedural Law
- Economics
- Economic Sociology and Labour Studies
- History, Culture, Social and Institutional Theories
- Legal Studies “Cesare Beccaria”
- Political Studies
- Public, International and European Union Law
- Sociology and Methodology of Social Research
Area: Humanities

- Linguistic, Literary and Intercultural Studies in European and Extra-European Perspectives
- Literature, Arts and Environmental Heritage
- Philosophy and Human Sciences
Area: Science

- Agriculture, Environment and Bioenergy
- Biochemical Sciences
- Chemistry
- Computer Science
- Earth Sciences
- Environmental Sciences
- Experimental and Clinical Pharmacological Sciences
- Food Systems
- Industrial Chemistry
- Mathematical Sciences
- Molecular and Cellular Biology
- Pharmaceutical Sciences
- Physics, Astrophysics and Applied Physics
- Veterinary and Animal Science
Area: Medicine and Healthcare

- Clinical and Experimental Medicine
- Epidemiology, Environment and Public Health
- Experimental Medicine and Medical Biotechnologies
- Integrative Biomedical Research
- Molecular and Translational Medicine
- Nutritional Sciences
- Oral Sciences
- System Medicine
International exchange programmes

- 400 international mobility agreements and over 954 agreements within European Union programmes
- International agreements for double degree curricula within graduate and undergraduate courses, short courses, summer schools and joint modules
- Participation in the “Marco Polo” programme for Chinese students. Home to a branch of the Confucius Institute. HSK Chinese Proficiency Test
- International Certificate in Russian as a Foreign Language
- International Certificate “Français des Affaires et des Professions”
ERASMUS+ PROGRAM

Austria 18
Belgium 37
Bulgaria 3
Cyprus 1
Croatia 5
Czech Republic 16
Denmark 8
Estonia 4
Finland 17
France 179
Germany 143
Greece 22
Hungary 16
Iceland 1
Ireland 6
Latvia 2
Lithuania 8
Macedonia 2
Malta 4
Netherlands 35
Norway 22
Poland 64
Portugal 64
Romania 30
Slovakia 2
Slovenia 12
Spain 243
Sweden 16
Turkey 29
United Kingdom 53
The International Summer and Winter Schools are intensive courses that deal with a specific topic, most often from a multi-disciplinary point of view.

Both students and faculties from several European countries are involved and the working language is usually English.

Every year a very broad range of issues is covered in all fields.
The University of Milan has a deserved reputation as one of the European universities most seriously committed to research, both basic and applied.

Research is conducted in:

32 Departments
The results of our research are attested by the quantity of **scientific publications** (more than 22,000 in the last three years alone).

The University’s researchers occupy **leading positions** in numerous research programmes conducted both at national and at international level.
## Research

The University of Milan in the international rankings based on scientific performance and quality

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Italy</th>
<th>Europe</th>
<th>World</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taiwan Ranking - NTU (2015)</td>
<td>2</td>
<td>37</td>
<td>102</td>
</tr>
<tr>
<td>Leiden - CWTS (2015)</td>
<td>11</td>
<td>172</td>
<td>365</td>
</tr>
<tr>
<td>Shanghai - ARWU - Jiao Tong University (2015)</td>
<td>1-5</td>
<td>--</td>
<td>151-200</td>
</tr>
<tr>
<td>QS World University Ranking (2015-16)</td>
<td>--</td>
<td>--</td>
<td>306</td>
</tr>
</tbody>
</table>
Research

The University of Milan is the only Italian university among the 21 members of LERU (League of European Research Universities)

- Universiteit van Amsterdam
- Universitat de Barcelona
- University of Cambridge
- University of Edinburgh
- Albert-Ludwigs-Universität Freiburg
- Université de Genève
- Ruprecht-Karls-Universität Heidelberg
- Helsingin yliopisto (Helsinki)
- Universiteit Leiden
- Katholieke Universiteit Leuven
- Imperial College London
- University College London
- Lunds Universitet
- Università degli Studi di Milano
- Ludwig-Maximilans-Universität München
- University of Oxford
- Université Pierre et Marie Curie
- Université Paris-Sud 11
- Université de Strasbourg
- Universiteit Utrecht
- Universität Zürich
Funds from European Commission’s Research Framework Programmes

6th, 7th and HORIZON 2020 FRAMEWORK PROGRAMMES
(European Union | 2002-2013)

- **6th Framework Programme (FP6th 2002-2006)**
  - 98 Contracts
  - €20,836

- **7th Framework Programme (FP7th 2007-2013)**
  - 153 Contracts
  - €54,752

- **Horizon 2020 (H2020 2014-2020)**
  - 30 Contracts
  - €10,570
  - ongoing
## Commissioned Research by companies

<table>
<thead>
<tr>
<th>Year</th>
<th>Contracts</th>
<th>€</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>339</td>
<td>8.428.805</td>
</tr>
<tr>
<td>2012</td>
<td>334</td>
<td>7.732.069</td>
</tr>
<tr>
<td>2013</td>
<td>319</td>
<td>7.736.069</td>
</tr>
<tr>
<td>2014</td>
<td>323</td>
<td>7.097.027</td>
</tr>
<tr>
<td>2015</td>
<td>336</td>
<td>7.145.366</td>
</tr>
</tbody>
</table>
UNIMITT - TTO Function

Patents as of December 2015

- 223 new inventions and plant varieties
- Exclusive ownership of 50% of the patent portfolio
- Co-ownership with universities and foreign research centres
- Transfer of 31% of patents (option / license / assignment agreements)

Patent Portfolio Composition

Technology portfolio as of December 2015

- 45 Patents coming from Sponsored Research
- 24 not patented innovative results/technologies (bacterial strains, antibodies, methods, diagnostic kits) licensed or assigned to Industry
Spin-offs as of December 2015

- 18 active spin-off companies
- 11 out of 18 participated by industrial partners or investors
- Over 60% achieving positive results
- Success cases: Petroceramics, Newronika and Voices from the Blogs

Spin-offs by Area

- Biotechnology and Pharmaceutical Technology: 54%
- Industrial Technologies and Processes: 13%
- New Materials: 10%
- ICT: 7%
- Energy and Environment: 10%
- Agrofood: 3%
- Devices and appliances: 3%
The University library system

Network of 22 Main Libraries, the largest book collection in Lombardy

Digital library with 62,522 e-journals, 368,940 e-books and 187 databases

APICE Centre: collection of valuable and rare books and archives

AIR, Institutional Research Archive: complete records of the University’s research results
E-learning and distance education

Online portal dedicated to e-learning and distance education for students and teaching staff, containing hundreds of websites.

Modern in-house audiovisual production facilities for activities in the area of communication and for the University’s School of Journalism.

www.ariel.unimi.it
www.portalevideo.unimi.it
Admission and fees

➤ **Direct application** to the University for:
  European citizens, non-EU citizens resident in Italy with a current, valid residence permit and natives of Iceland, Norway, Switzerland and Liechtenstein

➤ **Pre-application** to the Italian Embassies or Consulates in the country of residence for non-EU citizens resident abroad

➤ **Reduced fees** in order to guarantee the right to study to the greatest possible extent

➤ **Fees** vary according to the chosen course of study and *in proportion to income*
Scholarships, incentives and facilities

University/CIDiS scholarships awarded on the basis of merit and family income

Exploit your Talent and Excellence Scholarship Programmes
170 grants and fee exemptions for the best International students

Accommodation and refectory services
International students will be divided into different language programmes (from beginners to intermediate or upper intermediate) on the basis of their starting Italian language level.

- **Courses for Erasmus students**

- **International Summer Courses** of Italian language and culture in Gargnano, on Lake Garda, and in Milan

- **Marco Polo courses**, specifically dedicated to Chinese students

- **Promoitals**: Online Master’s Degree for teaching and promoting Italian as a Second or Foreign Language

[Contact Information]

- Italian.courses@unimi.it
- www.calcif.unimi.it
- www.promoitals.unimi.it
Prospective students

- Information on courses
- Guided visits for high-schools
- Individual meetings for prospective students

Students and graduates

- Information on graduate courses
- One-to-one counseling service
- Career planning and guidance meetings and individual appointment

Jobs and internships service

- Vacancies advertising
- Internships service for students and recent graduates
- Graduates curriculum database

www.cosp.unimi.it
Cultural activities, sports and leisure

**Sporting activities** through the University of Milan Sport Centre (CUS)

**Music** initiatives organised by the University Orchestra and the University Choir

**Cultural initiatives** and reduced prices thanks to arrangements with the city’s main cinemas, theatres and dance/music agents
Milan is in a central position in Europe, and very close to the famous Italian lakes, the Alps, the Ligurian Sea, Venice and Florence.
Milan offers countless points of cultural interest including La Scala and numerous works by Leonardo da Vinci.

It is an extremely lively city for fashion, design, publishing, music, food and its international trade fairs. It hosted Expo 2015.
Milan is the capital of Lombardy, one of the most dynamic and international areas in the European Union. It is the leading city in Italy for investments in technological research and innovation. Milan offers a unique scientific environment which comprises 11 universities and a large number of research institutes.
Thank you!

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