University of Milan

*Building the future is our tradition*

www.unimi.it/eng
international.office@unimi.it
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 2012

Academic and Research Organization

- **10** Faculties and Schools
- **31** Departments

Staff

- **2,178** tenured professors
- **671** teaching-only staff
- **634** research-only staff
- **100** visiting professors/scholars
- **1,944** technical and administrative staff
Key figures in 2012

**Study programmes**
- 70 Bachelor programmes (3 years)
- 59 Master programmes (2 years)
- 9 Single-cycle courses (5-6 years)
- 21 Doctoral schools (3-4 years)

**Vocational study programmes**
- 12 Vocational master’s courses (1-2 years)
- 59 Short courses
- 72 Postgraduate schools of professional specialisation

**Students**
*Total enrolled: 62,830*
- 34,800 Undergraduate
- 23,113 Master’s and single-cycle students
- 2,262 Postgraduate professional specialisation students
- 1,510 Vocational programmes’s students
- 1,145 PhD students
The University of Milan in the major international rankings based on scientific performance and quality

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Italy</th>
<th>World</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taiwan Ranking – HEEACT (2011)</td>
<td>1</td>
<td>99</td>
</tr>
<tr>
<td>Times Higher Education – THE (2012)</td>
<td>2</td>
<td>264</td>
</tr>
<tr>
<td>Shanghai Ranking – ARWU (2012)</td>
<td>3</td>
<td>151-200</td>
</tr>
<tr>
<td>QS World University Ranking – (2012)</td>
<td>4</td>
<td>256</td>
</tr>
<tr>
<td>Leiden Ranking – CWTS (2010 orange)</td>
<td>1</td>
<td>58</td>
</tr>
</tbody>
</table>
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
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 “City of studies” 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
- Antarctic base camp
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>(admission with master’s degree)</td>
<td></td>
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</tbody>
</table>

### Vocational study programmes

<table>
<thead>
<tr>
<th>Level</th>
<th>Type</th>
<th>Credits</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt; level</td>
<td>vocational master</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</td>
<td>vocational master</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>
Rector
chairs two collegial
governing bodies

Board of Directors
(Consiglio di amministrazione)

Academic Senate
(Senato Accademico)

Director
is the head of
the administrative
structure

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

Departments
are responsible for
research activities and
for designing curricula
and organizing
teaching
The University of Milan and its Schools

**Area:** Humanities, Law and Social Sciences
- **Humanities** (Studi umanistici)
- **Political, Economic and Social Sciences** (Scienze politiche, economiche e sociali)
- **Law** (Giurisprudenza)
- **Linguistic and Cultural Mediation Sciences** (Scienze della mediazione linguistica e culturale)

**Area:** Medicine and Healthcare
- **Medicine** (Medicina e chirurgia)
- **Veterinary Medicine** (Medicina veterinaria)
- **Pharmacological Sciences** (Scienze del farmaco)
- **Exercise and Sports Sciences** (Scienze motorie)

**Area:** Natural Sciences
- **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.

Double degrees with: Universidad de Valladolid, University of Maastricht, Université Pierre Mendès- Grenoble II, Université de Provence Aix -Marseille I, Ecole des Hautes Etudes en Sciences Sociales - Paris, Université de Savoie, Manchester Metropolitan University
Humanities

Bachelor programmes - 3 years

- Classical Languages and Literatures
- Foreign Languages and Literature
- History
- Humanities
- Liberal Studies in Communications
- Geography and Environmental Sciences
- Philosophy
Humanities

Master programmes - 2 years

- Ancient Philology, Literature and History
- Archaeology
- Archive and Library Sciences
- Communications: Theory and Methods
- Culture and History of the Publishing System
- European and Non-European Languages and Literature

- History
- History of Art
- Modern Humanities
- Musicology
- Philosophy
- Environmental and Geographical Sciences
- Science of the Performing Arts
Linguistic and Cultural Mediation Sciences

Bachelor programmes - 3 years

- Linguistic and Cultural Mediation
- Italian Language and Culture for Foreigners  
  \((\text{online inter-university programme})\)

Master programmes - 2 years

- Languages and Cultures for International Communication and Cooperation  
  \((\text{with an «entry package» in English})\)*

* An “entry package” is a set of courses taught in English (totalling a minimum of 45 credits, that can be extended to 60) that the student can attend in his/her first year of stay, while also attending intensive courses of Italian language supplied by the University. The student will then attend the remaining courses in Italian, while being allowed to write the dissertation in English.
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.

Double degrees with: University of Maastricht, Université Catholique de Louvain, Facultés Universitaires Notre Dame de la Paix - Namur, Manchester Metropolitan University, Universitat Autonoma de Barcelona, Université de Montpellier I, University of Stetin, John Cabot University in Rome, Universidad de Valladolid
Political, Economic and Social Sciences

**Bachelor programmes - 3 years**

- Communication and Society (*with an «entry package» in English*)
- European Economic Studies
- International Sciences and European Institutions (*with an «entry package» in English*)
- Organisation and Human Resources (*with an «entry package» in English*)
- Political Sciences (*with an «entry package» in English*)
- Public Management (*with an «entry package» in English*)
- Social Sciences for Globalisation (*with an «entry package» in English*)
Political, Economic and Social Sciences

Master programmes - 2 years

- Cognitive Sciences and Decision-Making Processes
- Economics and Political Science \textit{(taught entirely in English)}
- International Economics and Finance \textit{(with an «entry package» in English)}
- International Relations
- Labour Studies \textit{(with an «entry package» in English)}
- Law and Policies of European Integration \textit{(taught entirely in English and French)}
- Political Science and Government
- Public Administration and Policy
- Public and Corporate Communication \textit{(with an «entry package» in English)}
- Social Sciences: Research and Institutional Analysis
Established in 1924, the Faculty has maintained its initial prestige through the work of many great thinkers.

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

Bachelor programmes (3 years)

- Sciences for Legal Service

Single-Cycle Degree (5 years)

- Law
The most important Faculty of Medicine in Italy for standards of training and for clinical and basic scientific results.

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.

Double degree with: University of Maastricht
**Medicine**

**Bachelor programmes - 3 years**

- Audiometry Methods
- Biomedical Laboratory Methods
- Cardio-Circulatory Physiopathology and Cardiovascular Perfusion Techniques
- Dental Hygiene
- Diagnostic Imaging and Radiation Therapy Technology
- Dietetics
- Health Visitor
- Hearing Aid Audiology
- Medical Biotechnologies
- Midwifery
- Neurophysiopathology Methods
- Nursing
- Occupational Therapy
- Orthopaedic Technology
- Orthoptic and Ophthalmologic Technology
- Paediatric Health Nursing
- Physiotherapy
- Podology
- Prevention Techniques and Safety Procedures in the Environment and Workplace
- Psychiatric Rehabilitation Techniques
- Social Work in Health
- Speech and Language Therapy
- Therapy of Neuro and Psychomotricity Disorders of Childhood
Medicine

Master programmes - 2 years

- Diagnostic Techniques for Healthcare Professionals
- Food Science and Human Nutrition
- Healthcare Professions for Clinical Management
- Healthcare Professions for Prevention
- Healthcare Professions for Rehabilitation
- Medical Biotechnology and Molecular Medicine
- Nursing and Midwifery Sciences

Single-cycle degrees - 6 years

- Dentistry
- Medicine
- International Medical School *(taught entirely in English)*
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.
Veterinary Medicine

Bachelor programmes - 3 years

- Animal Husbandry and Welfare
- Animal Production Feed and Health
- Veterinary Biotechnology
Veterinary Medicine

Master programmes - 2 years

- Animal Husbandry Sciences and Technologies
- Veterinary Biotechnology Sciences - *elective courses in English*

Single-cycle degrees - 5 years

- Veterinary Medicine
Pharmacological Sciences

One of the most advanced Pharmacy Faculties in Italy, it also manages a study programme in Pharmacy in Tirana (Albania).

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

**Bachelor programmes - 3 years**
- Chemical-Toxicological Sciences and Safety in the Environment
- Herbal Science and Technology
- Pharmaceutical Biotechnology

**Master programmes - 2 years**
- Drug Biotechnology

**Single-cycle degrees - 5 years**
- Chemistry and Pharmaceutical Technology
- Pharmacy
Exercise and Sports Sciences

The main object of the School’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.
Exercise and Sports Sciences

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

**Master programmes - 2 years**
- Individual and Team Sports Science
- Exercise Science for Healthy Life
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.

**Double degrees with:** Université de Bordeaux I, Université de Paris XI, University of Leiden, University of Concordia, University of Stellenbosch, Chennai Institute, Università di Padova, Universidad Carlos III Madrid
Science and Technology

Bachelor programmes - 3 years

- Applied and Environmental Chemistry
- Biology
- Chemistry
- Earth Sciences
- Industrial and Environmental Biotechnology
- Industrial Chemistry
- Informatics and Communication
- Informatics
- Mathematics
- Natural Sciences
- Music Informatics
- Physics
- Science and Technology for Studying and Preserving the Cultural Heritage and Information Storage Media
- Computer and Network Security (also online)
Science and Technology

Master programmes - 2 years

- Biodiversity and Evolutionary Biology
- Biology Applied to Nutritional Sciences
- Biology Applied to Research in Biomedicine
- Chemistry
- Earth Sciences
- Informatics *(taught entirely in English)*
- Informatics and Communication
- Computer Security
- Industrial Chemistry and Management
- Mathematics *(taught partly in English)*
- Molecular Biotechnology and Bioinformatics
- Molecular Biology of the Cell
- Nature Sciences
- Physics
Agricultural and Food Sciences

Founded as a School of Agriculture in 1871, today the largest Faculty of this kind in Italy.

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

Bachelor programmes - 3 years

- Agricultural Sciences and Technology
- Agricultural Technologies for Environment and Landscape
- Food Science and Technology
- Food Services Management and Technology
- Plant, Food and Environmental Biotechnology
- Production and Protection of Plants and Vegetation Systems
- Conservation and Sustainable Development of Mountain Areas
- Viticulture and Enology
- Herbal Science and Technology
Agricultural and Food Sciences

Master programmes - 2 years

- Agri-environmental Sciences
- Agricultural Sciences
- Food Science and Technology
- Plant, Food and Environmental Biotechnology
- Science of Crop Production and Protection

- Food Science and Human Nutrition
- Viticultural and Enological Sciences
- Green Areas and Landscape Design
21 Doctoral Schools 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 most activities conducted in English.
Area: Humanities, Social Sciences and Law

- Humanae Litterae
- Legal Sciences**
- Lombardy Advanced School of Economic Research*
- Social and Political Sciences*

* English as working language
** English and Italian as working languages
Area: Natural Sciences

- Mathematical Sciences**
- Information Technology**
- Physics, Astrophysics and Applied Physics*
- Earth, Environment and Biodiversity**
- Biological and Molecular Sciences*
- Chemical Sciences and Technologies*
- Molecular Sciences and Plant, Food and Environmental Biotechnology*
- Technological Innovation for Agricultural, Food and Environmental Sciences

* English as working language
** English and Italian as working languages
Area: Medicine and Healthcare

- Biochemical, Nutritional and Metabolic Sciences**
- Clinical and Experimental Biomedical Sciences**
- Molecular Medicine**
- Physiological, Morphological and Sports Sciences**
- System Medicine*
- Physiopathological, Neuropsychobiological Sciences and Life-Cycle Care
- Animal Health and Husbandry: Science, Technology and Biotechnology**
- Veterinary Science for Animal Health and Food Safety**
- Pharmacological Sciences**

* English as working language
** English and Italian as working languages
International exchange programmes

- 400 international mobility agreements and over 300 agreements within European Union programmes
- Participation in the “Marco Polo” programme for Chinese students. Home to a branch of the Confucius Institute. HSK Chinese Proficiency Test
- International agreements for double degree curricula within graduate and undergraduate courses, short courses, summer schools and joint modules
- Home to a branch of the Confucius Institute.
- International Certificate in Russian as a Foreign Language
- International Certificate “Français des Affaires et des Professions”
LLP-Erasmus PROGRAMMES

Austria 22
Belgium 47
Bulgaria 2
Czech. Republic 15
Denmark 12
Estonia 1
Finland 27
France 273
Germany 177
Greece 21
Hungary 10
Iceland 1
Ireland 1
Lithuania 1
Malta 4
Netherlands 47
Norway 18
Poland 6
Portugal 68
Romania 21
Slovakia 1
Slovenia 7
Spain 345
Sweden 21
Turkey 9
United Kingdom 57
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.
Research

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:

31 Departments

29 Inter-departmental Centres
The results of our research are attested by the quantity of **scientific publications** (more than 24,000 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.

5 scientists of the University have been ranked as **highly cited** by ISI - Institute for Scientific Information (USA).
Funds from European Commission’s Research Framework Programmes

**6th and 7th FRAMEWORK PROGRAMMES (European Union 2002 - 2008)**

- **98 Contracts**
  - FP6th 2002-2006
  - €20,835,822

- **92 Signed Contracts + 12 under negotiation**
  - FP7th 2007-2012
  - €32,714,885

*ongoing... deadline 2013*
## Commissioned Research by companies

<table>
<thead>
<tr>
<th>Year</th>
<th>Contracts</th>
<th>€</th>
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<tbody>
<tr>
<td>2005</td>
<td>292</td>
<td>7.010.429</td>
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<tr>
<td>2006</td>
<td>326</td>
<td>9.318.937</td>
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<tr>
<td>2007</td>
<td>378</td>
<td>8.848.826</td>
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<tr>
<td>2008</td>
<td>405</td>
<td>9.384.112</td>
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<td>2010</td>
<td>376</td>
<td>8.700.507</td>
</tr>
<tr>
<td>2011</td>
<td>339</td>
<td>8.428.805</td>
</tr>
</tbody>
</table>
UNIMITT - TTO Function

Patents as of November 2011

- **187 new inventions**
  (constant growth since 1992)

- **exclusive ownership of 56%**
  of the patent portfolio

- **co-ownership with universities**
  and foreign research centers

- **transfer of 25% of patents**
  (license/assignment agreements)

- **25% are currently undergoing negotiation**

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Patent Portfolio Composition

- Priority: 14%
- Italian: 14%
- PCT: 14%
- National phases: 14%
- Abandoned: 11%
- Licensed: 13%
- Sold: 8%
- Options: 23%
- National phases: 3%
UNIMITT - TTO Function

Spin-offs as of November 2011

- 24 spin-off companies
- 14 out of 24 participated by industrial partners or investors
- over 60% achieving positive results
- at least 2 cases of excellence: Petroceramics, Tethis

Patent Portfolio Composition

- 52% Bio and pharmaceutical technology
- 26% Industrial technology
- 11% New materials
- 11% Devices
The University library system

Network of 83 libraries, the largest book collection in Lombardy

Digital library with 9130 titles online and 171 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.ctu.unimi.it](http://www.ctu.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 Lichtenstein

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

➤ **Minimized 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
Services, opportunities and facilities

- University scholarships awarded through competitive examinations
- Welcome desk for international students (international.students@unimi.it)
- Scholarships and grants by CIDIS (inter-university consortium funded by the Lombardy Region)
Italian language

✓ International Summer Courses of Italian language and culture in Gargnano, on Lake Garda

✓ International Summer School (in cooperation with the Municipality) for foreign teachers and promoters of Italian language and culture

✓ Courses for Erasmus students

✓ Marco Polo courses, specifically dedicated to Chinese students

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

www.milanosummerschool.com
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
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 will host Expo 2015.
is the capital of Lombardy, one of the most dynamic and international areas in the European Union

Milan

is the leading city in Italy for investments in technological research and innovation

offers a unique scientific environment which comprises 12 universities and a large number of research institutes

Milan. City of knowledge
www.unimi.it/eng
international.office@unimi.it