UNIVERSITÀ DI SIENA
1240

Courses in English 2019-2020

Contents

UNIVERSITÀ
DI SIENA
1240

study in a city campus

IN SIENA

WHY UNISI? - The University of Siena in numbers

Degree courses — **69**

Degree courses taught in English — **18**

Scholarships — **3454**

Double degrees — **11**

PhD programmes — **23**

Exchange partnerships — **780**

Number of students — **17000**

RIGHT TO EDUCATION

- **11** residence halls
- **1438** bed places
- **9** university restaurants
- **30,6%** of students have received scholarships (national percentage 22,9%)

ADVISING

- **1** study choice guidance and support
- **1** job orientation service
- **1** life coaching and psychological support
- **1** diversity and inclusion advising

SERVICES

- Wireless internet service in all University locations
- **5** library areas with **10** service desks
- **2** study rooms open till midnight seven days a week
- **127** workstations, some devoted to students with disabilities
- **45,5%** of students have given positive feedback to libraries and technology services (32,6% national data)
- **55%** of students evaluated "available and adequate" the spaces dedicated to individual study (36,7% national percentage)

PLACEMENT & CAREER SERVICE

- **33** contracts of high apprenticeship activated
- **1852** active conventions with companies for internship
- **1002** vacancies published
- **250** users of the CV check service
- **450** individual career orientation
- **20** seminars held in the University by employment experts and companies counselors
- **11** business selection sessions in the University
- **25** sector job days

INTERNATIONAL

- **399** Erasmus and overseas scholarships for study abroad
- **125** Erasmus scholarships for internship activities abroad
- **9%** of international students enrolled at Unisi courses
- **534** international students in European and International exchange programs

WHY UNISI?
The University of Siena in numbers

UNIVERSITÀ
DI SIENA
1240

2019 NATIONAL AND INTERNATIONAL RANKINGS

The University of Siena is well ranked in the most important national and international Higer Education Institutions classifications, like CENSIS (national), U-Multirank, QS WUR, Times Higher Education (THE), CWUR, ARWU

WELCOME IN SIENA

The University of Siena is one of the oldest universities in Europe, having been founded in 1240.

Its history has evolved alongside Tuscany's cultural tradition from the Middle Ages to modern times.

Siena is located in the heart of Tuscany amid a landscape of gentle rolling hills. Built on three steep hills and encircled by ancient walls, it is a unique city where students can spend a profitable study period, full of opportunities for their personal enrichment.

A STRONG INTERNATIONAL MISSION

In its eight Centuries of history the University of Siena has been producing a wide range of studies in many different fields of culture.

Over the years the University of Siena has enhanced its strategy for internationalization, aiming to strengthen its international academic relationships and attract students and researchers from different parts of the world.

At the early 21st Century this historical Institution has been able to face challenges related to a globalization of knowledge and research with a wide number of international collaborations.

New international collaboration agreements and projects established each year, increasing number of Degrees and courses delivered in English, holding good placement in National and International Rankings; these are some of the University of Siena's strong points.

https://en.unisi.it/international/placement-and-career-services
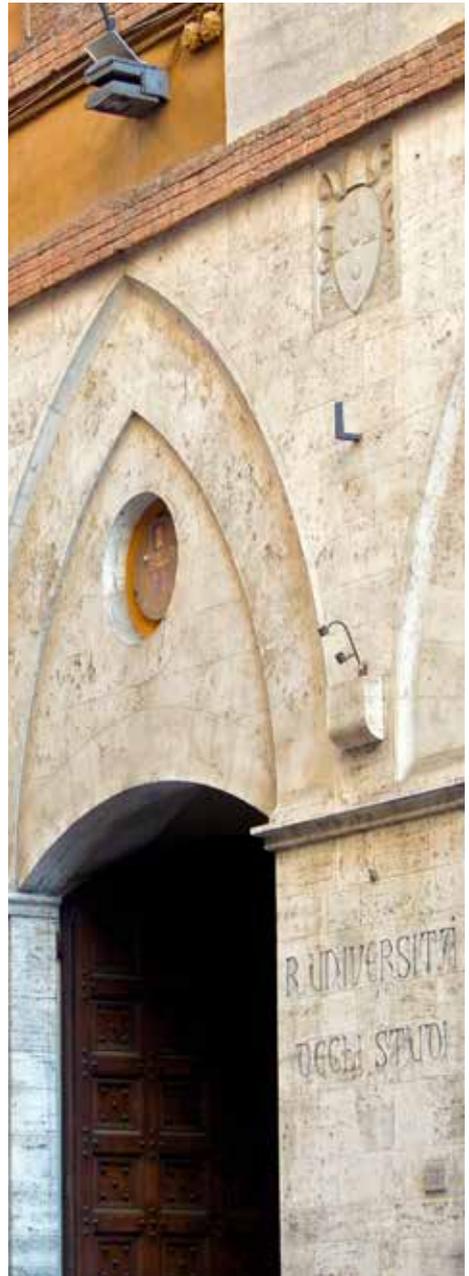
INTERNATIONAL SUMMER PROGRAMMES IN SIENA

Several International Universities collaborate with the University of Siena and have chosen this location for their Summer Programmes:
- Harvard College (USA), Summer Program: "Beauty, leadership and innovation"
- Yale University (USA), "A Literary, Historical, Cultural, and Geographical Journey in Tuscany"
- Emory University (USA), "Chemistry for Life & Environment"
- New Jersey Institute of Technology, Hillier College of Architecture and Design (USA): "Art and architectural history and urban development"
- Alves Faria College, Faculdades ALFA (Brasil), "Democracia e desenvolvimento"
- University of Toronto (Canada), Woodsworth College Summer School
- Tulane University Law School (USA), "International Law, Cultural Heritage, and the Arts"

RANKINGS AND ACCREDITATIONS

With over 17,000 students, The University of Siena confirms its position within National and International HEI rankings.
In 2019 the University of Siena confirms its placement at the top positions amongst the medium sized Italian Universities in the **CENSIS** classification, the Italian Centre for Social Studies and Policies: 2nd overall and with regard of services and structures, 3rd about internationalization.

U-Multirank is a multidimensional, user-driven approach to international ranking of higher education institutions. It compares the performances of HEI/universities in five dimensions of their activities: teaching and learning, research,

knowledge transfer, international orientation and regional engagement.
The University of Siena maintains a good performance in some sub-sections of the five markers, in particular in Teaching&Learning, Regional Engagement, International orientation.

Qs World University Rankings by subject lists the University of Siena as one of the best in the world.
In accordance with this ranking, the University of Siena is in high standing on the national and international level in 2 broad subject areas and scored in 32 subjects. Furthermore the University of Siena can keep its position in the Overall ranking list, despite the recent entry of new international HEIs in the worldwide classification.

Times Higher Education (THE) is a leading provider of higher education data for the world's research-led institutions. Its data and benchmarking tools are used by many of the world's most prestigious universities to help them achieve their strategic goals.
The University of Siena increases its position in the overall ranking (351/400), compared to 2018, and reaches the 51-75th placement in the Europe Teaching Ranking.

The 2019 **Academic Ranking of World Universities** (ARWU, also known as the Shanghai Ranking) confirms the growing reputation of the University of Siena, which has improved markedly on its previous rankings by being placed the "501-600" range.

The **Center for World University Rankings** publishes the largest academic rankings of global universities. The University of Siena ranks # 470 out of twenty thousand universities worldwide according to the CWUR's new list for 2019-2020. This puts the University of Siena in the top 2.4 percent worldwide, which is an outstanding achievement.

THE ITALIAN UNIVERSITY SYSTEM

FIRST CYCLE (BACHELOR'S DEGREE)

This cycle consists exclusively of Corsi di Laurea. These degree programmes provide students with an adequate command of general scientific methods and contents as well as with specific professional skills.

The general access requirement is the Italian school leaving qualification awarded after completion of 13 years of schooling and passing the relevant State examination; comparable foreign qualifications may also be accepted. Admission to some degree courses may be based on specific course requirements.

The studies last 3 years. The Laurea is awarded to students who have gained 180 ECTS credits (called Crediti Formativi Universitari—CFU) and satisfied all curricular requirements, including the production of a final written paper or equivalent final project. The Laurea gives access to the Corsi di Laurea Magistrale as well as to other 2nd cycle study programmes.

SECOND CYCLE (MASTER'S DEGREE)

The main degree programmes in this cycle are the Corsi di Laurea Magistrale. They provide education at an advanced level for the exercise of highly qualified activities in specific areas. Access is by a Laurea degree or a comparable foreign degree; admission is based on specific course requirements determined by single universities. The studies last 2 years. The Laurea Magistrale degree is awarded to students who have gained 120 ECTS/CFU credits and satisfied all curricular requirements, including the production and public defence of an original dissertation.

Some programmes (namely, those in dentistry, medicine, veterinary medicine, pharmacy, architecture, construction engineering/architecture, law, primary education) are defined "SINGLE CYCLE PROGRAMMES" (Corsi a ciclo unico); for these programmes access is by the Italian school leaving qualification (or a comparable foreign qualification); admission is based on entrance exams.

THIRD CYCLE

The main degree programmes in this cycle are Corsi di Dottorato di Ricerca (RESEARCH DOCTORATE PROGRAMMES); the students/young researchers enrolled in these programmes will acquire methodologies for advanced scientific research, will be trained in new technologies and will work in research laboratories, wherever appropriate. Access is by a Laurea Magistrale degree (or a comparable foreign degree); admission is based on a competitive exam; studies last at least three years and include the completion and public defence of an original research project.

OTHER PROGRAMMES

- Vocational master programme

These are 2nd cycle programmes intended to provide students with further specialization or higher continuing education after completion of the first cycle. Access is by a Laurea degree (or a comparable foreign degree); admission may be subject to additional requirements. Studies last at least 1 year (60 ECTS/CFU credits). The qualification awarded (Master Universitario di primo livello) does not give access to Corsi di Dottorato di Ricerca or to any other 3rd cycle programme, since this type of course

https://en.unisi.it/
international/mobility-abroad

http://www.miur.it/guida/
guide.htm

FIRST CYCLE   SECOND CYCLE   THIRD CYCLE

UPPER SECONDARY EDUCATION

BACHELOR'S DEGREE
3 YEARS
180 CREDITS

MASTER'S DEGREE
2 YEARS
120 CREDITS

DOCTORAL PROGRAMMES
3 YEARS

SINGLE CYCLE

SINGLE CYCLE DEGREE PROGRAMME
5/6 YEARS
300/360 CREDITS

SPECIALISATION COURSES
2/5 YEARS

VOCATIONAL MASTER PROGRAMME 1ST LEVEL

ADVANCED MASTER PROGRAMME 2ND LEVEL
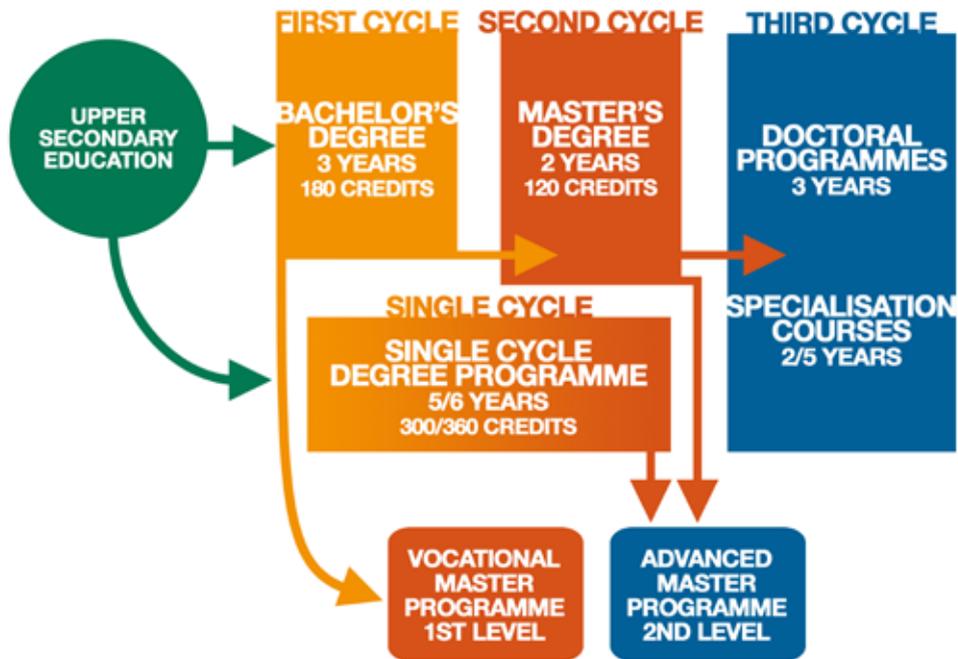
Ref. Italian Education Ministry (MIUR)

does not belong to the general requirements established at national level, but it is offered under the autonomous responsibility of each university.

- Advanced master programme
These are 3rd cycle programmes intended to provide students with further specialization or higher continuing education studies after completion of the second cycle. Access is by a Laurea Magistrale degree (or a comparable foreign degree); admission may be subject to additional requirements. Studies last at least 1 year (60 ECTS/CFU credits). The qualification awarded (Master Universitario di secondo livello) does not give access to Corsi di Dottorato di Ricerca or to any other 3rd cycle programmes,

since this type of course does not belong to the general requirements established at national level, but it is offered under the autonomous responsibility of each university.

https://en.unisi.it/university/governance

STUDYING AT THE UNIVERSITY OF SIENA

Students in Siena can be part of a real community of people motivated by a thirst for knowledge and learning, with attentive and approachable academic staff and many innovative services at their disposal.

The careful organization of teaching, the quality of lessons (which is monitored regularly), the services to facilitate studying such as efficient and well-organized libraries and laboratories, as well as the welcoming, orientation and continuous tutoring activities, support for disabled students and those in difficulty are just some of the University of Siena's strong points.

The University of Siena runs first and second level degree courses, taught in Italian and/or English language.

Students can also choose from a wide selection of postgraduate courses, including doctoral degree programmes, specialization schools and advanced vocational programmes, the latter being designed to offer specific training in the most innovative sectors.

FOUNDATION YEAR

To ensure the opportunity to all the international students to apply for its Degree programmes, the University of Siena can also offer a Foundation Year.

A Foundation Year acts as a bridge between your current qualifications and 1st level Italian University courses (Bachelor) entry requirements or as a means to fill a gap in the educational background of an international student coming from a country where the higher education system requires a shorter period of education than that provided by the «Bologna Process» implemented in the European Union.

Moreover, the FY program provides the students with adequate preparation in the comprehension of Italian language and offer a deep academic preparation for entry into an Italian University. In particular, thanks to this program, international students will have the opportunity to improve their written and spoken Italian language, their communicative skills, and they will be able to familiarize with the Italian and European Union's criteria of academic teaching and learning.

You can apply…
• if you are an international student and have completed less than 12 years of education
• if you are an international student in need of additional Italian language and academic preparation for entry into year 1 of an Italian Bachelor's Degree Programme
• if you possess an American high school qualification which does not include any Advanced Placements (APs) required for enrolment according to current legislation
The Foundation course is carried out in collaboration between the Università per Stranieri di Siena and the University of Siena and can prepare you for a variety of subjects for a total of 60 ECTS credits.

Basic Language Requirements
Students can join the FY program offered in Siena with at least a B1- level (CEFR) incoming competence in Italian. At the end of the FY, an outgoing B2-Level (CEFR) competence will be assured. This corresponds to the level required by the Italian universities for the admission in a degree course.

Fees
A study fee FY program of 4700 € is required for each student.
Study Options
• Economics
• Science and Technology
Info at: https://www.unistrasi.it/1/652/4372/Foundation_Year.htm

UNIVERSITY CREDITS (CFU)

Degrees are completed through the acquisition of university credits (CFUs). CFUs are a measure of the workload required to achieve the learning outcomes for the course in which you are enrolled. One CFU corresponds to 25 hours

of coursework and training, including individual study, lectures and laboratories. Each course module, or training activity, is assigned a certain number of university credits.

Once you pass an exam or any other form of assessment, you will be awarded the corresponding credits regardless of your marks.

The average quantity of work required of a full time university student in one academic year is equivalent to 60 credits.

STUDY PLAN

A study plan lists the training activities and course modules/exams you must attend and pass for each year of the degree course in order to graduate.

Certain course modules /exams are mandatory and identified in the individual degree programme regulations, whereas others are elective.

You must draft a study plan in accordance with the requirements set out in the specific degree course regulations.

You may submit your study plan in one of two ways:

• through the online procedure
• in person at your department's Students and Course Administration Office.

EXAMS

During each academic year you may only sit the exams for the modules included in your study plan for that year. The exam may be oral and/or written and/or a practical; marks are expressed as points out of thirty.

Those who pass the exam are awarded the corresponding credits, regardless of their marks. The pass mark is 18/30. In the case of top marks (30/30), the committee may award honours.

TEACHING ORGANIZATION

The University of Siena 15 Departments have adopted a two semester system to organize academic programmes. At the end of each term a period of examination is scheduled.

INDICATIVE ACADEMIC CALENDAR

Fall term (1st semester)
October 1st to January 20th
Examination period: January 20th – February 28th

Spring term (2nd semester)
March 1st to June 1st
Examination period: June 1st - July 31st

Classes stop for holidays at Christmas and Easter, as well as in summer (from the end of July until the start of the next academic year).

For further information, please write to internationalplace@unisi.it

https://en.unisi.it/
international/
international-
exchange-students

COURSES TAUGHT IN ENGLISH

FIRST CYCLE DEGREE COURSES (BACHELOR'S DEGREES)

Economics and banking
curriculum Economics and banking

The three-year programme in Economics and Banking offers an integrated approach to the study of models of banking, insurance and financial markets, offering a sound education in disciplines in both the economics and statistical-quantitative areas.

The course provides a thorough understanding of resource allocation under conditions of uncertainty, with a particular focus on micro- and macro-economic issues as well as on their economic and social implications. The course considers how credit is granted to households and firms, how insurance risks are managed, how financial markets and their underlying regulatory and operational framework models work.

The program is organized in four curricula: one of them (Economics and Banking) is entirely taught in English.

https://scienze-economiche-bancarie.unisi.it/en

numerus clausus: no

STUDY PLAN
🇬🇧 curriculum Economics and banking

first year
- economic history - 9 cfu
- political economy - 9 cfu
- principles of mathematics - 9 cfu
- statistics - 9 cfu
- business administration - 9 cfu
- public law - 9 cfu

second year
- macroeconomics - 9 cfu
- microeconomics - 9 cfu
- accounting - 9 cfu
- financial mathematics - 9 cfu
- private law - 9 cfu
- corporate finance - 9 cfu
- english for business and finance - 6 cfu

third year
- international economics - 9 cfu
- economics of money and banking - 9 cfu
- financial institutions management - 9 cfu
- business law - 9 cfu
- one course to be chosen among:
    financial markets - 9 cfu
    banking management - 9 cfu
- others at student's choice - 12 cfu
- one course to be chosen among:
    computer tools - 6 cfu
    internship - 6 cfu
    french/german/spanish B1 - 6 cfu
    soft skills - 6 cfu
- final thesis - 3 cfu

For further information please contact: didattica.sem@unisi.it

School of Economics and Management
www.sem.unisi.en

https://en.unisi.it/planning-your-degree

https://en.unisi.it/structures/departments

Economics and business
curriculum Economics and management

Economics and Management (E&M) is a three-year degree program focusing on the acquisition of multidisciplinary expertise in economics, management, accounting and statistics. Its purpose is to prepare students to understand how firms work in the increasingly complex social and economic environment they face. Graduates will be able to understand economic and financial phenomena and their effects on markets and firms; they will acquire all the core skills required for analyzing the firm's behavior and for designing the firm's optimal strategy. Graduates will also achieve the necessary background and skills to successfully progress to postgraduate courses in Italy and elsewhere.

The program is organized in three curricula: one of them (Economics and Management) is entirely taught in English.

https://economia-commercio.unisi.it/en
numerus clausus: no

STUDY PLAN
🇬🇧 curriculum Economics and management
first year
- economic history - 9 cfu
- political economy - 9 cfu
- principles of mathematics - 9 cfu
- statistics - 9 cfu
- business administration - 9 cfu
- public law - 9 cfu
- english for business & finance - 4 cfu

second year
- macroeconomics - 9 cfu
- microeconomics - 9 cfu
- accounting - 9 cfu
- financial mathematics - 9 cfu
- private law - 9 cfu
- management control - 9 cfu

- management - 9 cfu

third year
- international and european trade law - 6 cfu
- business law - 9 cfu
- marketing - 9 cfu
- one course to be chosen among:
    international economics - 9 cfu
    industrial economics - 9 cfu
- one course to be chosen among:
    cost accounting - 9 cfu
    public management - 9 cfu
- one course to be chosen among:
    soft skills - 2 cfu
    german B1 - 2 cfu
    spanish B1 - 2 cfu
    french B1 - 2 cfu
    internship - 2 cfu
- others at student's choice - 12 cfu
- final thesis - 3 cfu

For further information please contact: didattica.sem@unisi.it

School of Economics and Management

www.sem.unisi.en

SECOND CYCLE DEGREE COURSES (MASTER'S DEGREES)

Economics

Economics, fully taught in English, provides an advances training in both theoretical and applied economics. This allows either the continuation of studies to start a career as an economist, or the employment as an economic analyst or in a managing role in firms, banks and public or private institutions.

- Double degree with: University of Ljubljana (Slovenia)

https://economics.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- quantitative methods for economic applications - 12 cfu
- microeconomics (I&II) – 12 cfu
- macroeconomics - 6 cfu
- econometrics (I&II) - 12 cfu
- public economics - 6 cfu
- financial investments and risk management - 6 cfu
- other activities - 3 cfu

second year
- international management - 6 cfu
- competition Law and Policy - 6 cfu
- three courses at student's choice - 18 cfu:
  - *monetary economics - 6 cfu*
  - *growth and development - 6 cfu*
  - *economic dynamics - 6 cfu*
  - *industrial organization - 6 cfu*
  - *game theory and social choice - 6 cfu*
  - *post-keynesian economics - 6 cfu*
  - *behavioral economics - 6 cfu*
  - *economic organization and theories of the firm - 6 cfu*
  - *economic history - 6 cfu*
  - *global comparative politics - 6 cfu*

- others at student's choice - 12 cfu
- final thesis - 21 cfu

For further information please contact: didattica.sem@unisi.it

School of Economics and Management
www.sem.unisi.en

www.unisi.it/urp

Finance

A two-year MSc program, fully taught in English, designed for students wishing to enhance their understanding of financial analysis in a very interactive environment.

Graduates typically go on to work in investment banks, private equity firms, asset managers and non-financial institutions.

The curriculum puts a particular emphasis on corporate finance, financial engineering and risk management, quantitative asset management, macroeconomic analysis, quantitative trading, and financial regulation.

Through a mix of theory and practice, interaction with finance practitioners and empirical sessions in our info-providers lab facilities, our MSc has been designed as a smooth transition to the finance industry.

- Double degree with: University of Ljubljana (Slovenia); Romanian American University - Bucarest (Romania)

https://finance.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- microeconomics for business and finance - 6 cfu
- econometrics - 6 cfu
- fundamentals of programming - 6 cfu
- financial modeling I - 9 cfu
- financial investments and risk management - 9 cfu
- corporate valuation - 9 cfu
- information technology for business and finance - 6 cfu
- one course to be chosen among:
  Santa Chiara Lab training - 6 cfu
  internship - 6 cfu
  english for economics and business - 6 cfu

second year
- monetary economics - 6 cfu
- financial modeling II - 9 cfu
- international banking and financial regulation - 6 cfu
- three courses to be chosen among:
  statistics for business decision making - 6 cfu
  credit risk modeling - 6 cfu
  international financial accounting - 6 cfu
  game theory and social choice - 6 cfu
  financial engineering - 6 cfu
  asset allocation - 6 cfu
  advanced financial modeling - 6 cfu
  advanced financial markets - 6 cfu
  economic organization and theories of the firm - 6 cfu
  applied econometrics - 6 cfu
  interest rate derivatives - 6 cfu
  international comparative tax law - 6 cfu
  structured finance and insurance - 6 cfu
  behavioral economics - 6 cfu
  alternative assets - 6 cfu
  economic of sustainable development - 6 cfu
  active portfolio management - 6 cfu
  applied corporate finance - 6 cfu
- others at student's choice - 9 cfu
- final thesis - 15 cfu

For further information please contact: didattica.sem@unisi.it

School of Economics and Management

www.sem.unisi.en

www.unisi.it

International Accounting and Management

The course aims to provide students with a deep knowledge of the main theoretical and applied concepts in accounting and management, with particular reference to the economic and managerial dynamics in the international context.

Students get familiarized with modern economic and managerial theories, concepts, techniques, and their applications. The aim is to provide students the advanced tools necessary to investigate economic, social, legal, cultural and technological issues.

Particular attention is devoted to the recent evolution and major changes of the firms' operating environment in order to provide students with adequate competencies related to the government, managerial, and organizational processes in different types of firms, operating in diverse businesses (public and private sectors).

The course intent is to form graduates that will be able to:
- assume roles of directional responsibility inside companies, organizations and institutions (in staff functions as well as in line management) which, in particular, operate at the supranational level;
- start an independent entrepreneurial activity, including that of the execution of the professions and activities of consulting (accounting and company) with a strong international vocation;
- assume roles of responsibility in institutional organisms (Chamber of Commerce, Associations of category, Local bodies, international organisations).

- Double Degree with: Lobachevsky State University of Nizhni Novgorod, Russia

https://iama.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- strategic management - 6 cfu
- international management - 6 cfu
- business law - 6 cfu
- advanced European Union law - 6 cfu
- two courses to be chosen among:
  international financial accounting - 6 cfu
  advanced management control and sustainable development - 6 cfu
  public management - 6 cfu
- one course to be chosen among:
  microeconomics for business and finance - 6 cfu
  knowledge management - 6 cfu
  comparative law - 6 cfu
  international tax law - 6 cfu
  entrepreneurship and innovation management - 6 cfu
- others at student's choice - 12 cfu
- one course to be chosen among:
  english for economics & business - 6 cfu
  foreign languages enhancement - 6 cfu
  professional training - 6 cfu
  activities carried out at the Santa Chiara Lab - 6 cfu

second year
- industrial organizations - 9 cfu
- statistics for business decision making - 9 cfu
- corporate valuation - 9 cfu
- models of capitalism - 9 cfu
- final thesis - 24 cfu

For further information please contact: didattica.sem@unisi.it

School of Economics and Management
www.sem.unisi.en

International studies
curriculum European studies

The Second Cycle Degree Programme in International Studies provides students with interdisciplinary knowledge in the areas of law, economics, political science, sociology, history and languages.

Acquired competencies allow graduates to analyse political, economic and social phenomena on an international scale and to reflect on the complexity of the contemporary world. Graduates are well suited for high-level positions in national and international companies, agencies, organisations and institutions, both public and private.

The Degree Programme offers three specialisations: International and Diplomatic Studies, Development and International Cooperation, European Studies, the latter taught in English.

The Second Cycle Degree Programme prepares students for employment as diplomats, international functionaries, public officials and business managers. It also prepares them for service as officials and managers in non-governmental and non-profit organisations operating in the fields of international relations, human rights, development cooperation and humanitarian aid in critical areas.

https://scienze-internazionali.unisi.it/en
numerus clausus: no

STUDY PLAN
🇬🇧 curriculum European studies
first year
- european macroeconomics - 6 cfu
- european union politics - 9 cfu
- environmental economics - 6 cfu
- european human rights protection - 6 cfu
- foreign language - 6 cfu
- comparative politics - 9 cfu
- contemporary european history - 9 cfu
- english C1 level - 4 cfu
- principles of informatics - 3 cfu

second year
- foreign language - 6 cfu
- history of international relations - 9 cfu
- monetary economics - 6 cfu
- international economic law - 6 cfu
- others at student's choice - 9 cfu
- others - 4 cfu
- internship - 4 cfu
- final thesis - 18 cfu

For further information please contact: didattica.dispi@unisi.it

Department
Political and international sciences
www.dispi.unisi.it

www.unisi.it/urp

Public and cultural diplomacy

Built on the experiences of various faculty members who were involved and active in cultural diplomacy and scientific projects, the Public and Cultural Diplomacy Master's program is made up of students with diverse backgrounds, from social sciences to the humanities, and aims to improve student's knowledge in the field of new international relations and cooperation. At the center of the program are two themes: the role of intercultural negotiation and the construction of institutions and cultural policies at an international level.

This innovative program uses different perspectives through its course offerings, international partnerships, and organizational training. The majority of the classes are specifically developed for this program and it also considers the new roles that public diplomacy offers, such as international cooperation, planning and cultural diffusion on a global scale, social communication of cultural affairs, experience in conflict resolution, cultural policy planning, international facilitation and mediation, and scientific journalism.

https://public-cultural-diplomacy.unisi.it/en

numerus clausus: no

🇬🇧 STUDY PLAN

curriculum Public diplomacy
first year
- international relations - 9 cfu
- international history - 9 cfu
- rule of law and human right
- public diplomacy - 9 cfu
- global comparative politics - 6 cfu
- globalization culture and economics - 6 cfu
- one course to be chosen among:
  antropology of cultural heritage - 6 cfu
  geography and sustainability - 6 cfu

- one course to be chosen among:
  culture and institutions in Latin America - 9 cfu
  chinese language and cultures - 9 cfu
  arabic language and cultures - 9 cfu
  religious diplomacy - 9 cfu

second year
- new media and globalization - 9 cfu
- two courses to be chosen among:
  sports and culture - 6 cfu
  public diplomacy and international history - 6 cfu
  language, society and ideology - 6 cfu
  cultural diplomacy - 6 cfu
  global law, politics and religion
- competence in English level C1 or C2 - 3 cfu
- others at student's choice - 12 cfu
- internship - 9 cfu
- other knowledge needed to enter the world of work - 3 cfu
- final thesis - 12 cfu

curriculum Cultural diplomacy
first year
- international relations - 9 cfu
- globalization culture and economics - 6 cfu
- rule of law and human rights - 9 cfu
- cultural heritage and cultural relationships - 9 cfu
- global comparative politics - 6 cfu
- public diplomacy - 6 cfu
- one course to be chosen among:
  antropology of cultural heritage - 6 cfu
  geography and sustainability - 6 cfu
- one course to be chosen among:
  cultural and institutions in Latin America - 9 cfu
  chinese language and cultures - 9 cfu
  arabic language and cultures - 9 cfu
  religious diplomacy - 9 cfu

second year
- new media and globalization - 9 cfu
- cultural diplomacy - 6 cfu
- one course to be chosen among:
  prehistory and intercultural relationships: ancient technologies and environmental

www.sba.unisi.it

resources - 6 cfu
media industry and strategic communication - 6 cfu
cultural heritage and archaeology - 6 cfu
global law, politics and religion - 6 cfu
- competence in English level C1 or C2 - 3 cfu
- others at student's choice - 12 cfu
- internship - 9 cfu
- other knowledge needed to enter the world of work - 3 cfu
- final thesis - 12 cfu

For further information please contact: didattica.dispoc@unisi.it

Department of reference
Social, Political and Cognitive Sciences
www.dispoc.unisi.it

Language and mind. Linguistics and cognitive studies

The Master in Language and Mind is a highly interdisciplinary program aimed at providing a comprehensive understanding of language as a human cognitive capacity, combining theoretical perspectives in Linguistics and Philosophy with their different and many applications in fields such as Computational Linguistics, Psycholinguistics and Text Analysis. All courses are taught in English, in the lively international environment at the Department of Social, Political and Cognitive Science, a leader in multidisciplinary research.

The Master also offers two main specializations through its two curricula "Linguistics and Cognition" and "Philosophy and Cognition", with flexible options to combine teachings from both. In addition, students choosing the curriculum in "Philosophy and Cognition" may apply for a Double Degree program in collaboration with Université Paris 1 Panthéon-Sorbonne.

- Double Degree with: Université Paris 1 - Panthéon-Sorbonne (Francia)

https://language-mind.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
curriculum Linguistics and cognition
first year
- syntactic structures and compositional semantics - 12 cfu
- logic and theory of meaning - 12 cfu
- philosophy of mind - 12 cfu
- theory of grammar and language acquisition - 6 cfu
- one course to be chosen among:
  corpus approaches to discourse analysis - 6 cfu
  academic english and translation - 6 cfu
- phonetics and phonology - 6 cfu
- one course to be chosen among:
  linguistic analyses and multilingualism - 6 cfu
  experimental method in linguistics - 6 cfu

second year
- one course to be chosen among:
  morphsyntax and experimental studies on language - 6 cfu
  academic text structure and translation - 6 cfu
  experimental method in linguistics - 6 cfu
- psycholinguistics - 6 cfu
- one course to be chosen among:
  theory of grammar - 6 cfu
  academic text structure and translation - 6 cfu
  experimental method in linguistics - 6 cfu

- computational linguistics - 6 cfu
- others at student's choice - 12 cfu
- second language level C1 or C2 - 3 cfu
- internship - 3 cfu
- final thesis - 18 cfu

curriculum Philosophy and cognition

first year

- syntactic structures and compositional semantics - 12 cfu
- logic and theory of meaning - 12 cfu
- philosophy of mind - 12 cfu
- theory of grammar and language acquisition - 6 cfu
- one course to be chosen among:
    corpus approaches to discourse analysis - 6 cfu
    academic english and translation - 6 cfu

www.unisi.it/internazionale/ prospective-and-enrolled-international-students

- phonetics and phonology - 6 cfu
- computational linguistics - 6 cfu

second year

- theory of argumentation - 6 cfu
- logic of natural languages - 6 cfu
- one course to be chosen among:
    first order logic - 6 cfu
    logic and cognition - 6 cfu
- issues intentional semantics - 6 cfu
- others at student's choice - 12 cfu
- second language level C1 o C2 - 3 cfu
- internship - 3 cfu
- final thesis - 18 cfu

For further information please contact: didattica.dispoc@unisi.it

Department
Social, Political and Cognitive Sciences
www.dispoc.unisi.it

Applied mathematics

The master program aims at providing high-level competences for the formalization and the consequent mathematical analysis of problems arising from applied sciences and technologies, with a special focus on the analysis of big data systems and complex systems. The program provides courses which complete the basic mathematical competences, covering all the main areas of Mathematics. Then, the student has a choice of courses focused in areas where the support of advanced mathematical methods is fundamental for recent scientific researches and developing technologies.

The areas which are more suitable to need the competencies of mathematical specialists are those connected with financial data analysis, control and optimization of biological data systems, analysis and control of networks and information systems, image processing and cryptography, modeling of general patterns for artificial intelligence and man-machine integrated systems.

https://applied-mathematics.unisi.it/en
numerus clausus: no

🇬🇧 **STUDY PLAN**
first year
- mathematical logic - 6 cfu
- fundations of mathematics - 6 cfu
- advanced geometry - 6 cfu
- advanced analysis - 6 cfu
- advanced algebra - 6 cfu
- numerical analysis - 6 cfu
- optimization - 6 cfu
- one course to be chosen among:
  mathematical physics - 6 cfu
  mathematical statistics - 6 cfu
- competence in English level B2 - 3 cfu
- others at student's choice - 6 cfu

courses can be chosen from the training offer of the University consistent with the course educational objectives

second year
- three courses to be chosen among (24 cfu):
  graph theory - 6 cfu
  discrete mathematics - 6 cfu
  information theory - 6 cfu
  formal systems - 6 cfu
  educational mathematics - 6 cfu
  foundations and languages for bioinformatics - 12 cfu
  artificial intelligence and machine learning - 12 cfu
  data and financial analysis - 12 cfu
  differential equations and complex systems - 12 cfu
  big data - 6 cfu
  game theory - 6 cfu
  fuzzy and real time modeling - 6 cfu
  multilinear geometry - 6 cfu
- others at student's choice - 12 cfu
- final thesis - 27 cfu

For further information please contact: l2_mat@diism.unisi.it

Department of reference
Information engineering and mathematics

www.diism.unisi.it

https://en.unisi.it/international/general-information-students/accommodation

https://apply.unisi.it/

Computer and automation engineering

curricula Information systems; Robotics and automations

The MSc in Computer and Automation Engineering aims at providing high-level competences for the design, management, development and innovation in the fields of advanced hardware and software architectures, and of control systems and robotics. In particular, the program is focused on human-machine interaction in a wide sense, spanning topics such as artificial intelligence, machine learning, high performance processing of massive data collections, human-robot interfaces, and systems for production automation.

The MSc in Computer and Automation Engineering prepare professionals with advanced on the fields of computer systems, industrial automation and robotics.

The graduated student will be able to design, develop and manage innovative technologies and technics. In particular, the programme includes the study of man-machine interaction, artificial intelligence, machine learning, high performance computing of big data and industrial automation systems.

https://computer-automation.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN

curriculum Information systems
first year
- automata and queuing systems - 6 cfu
- advanced digital image processing - 9 cfu
- high performance computer architecture - 9 cfu
- machine learning - 6 cfu
- big data - 6 cfu
- artificial intelligence - 9 cfu
- models and languages for bioinformatics - 6 cfu
- network optimization - 6 cfu
- competence in English level B2 - 3 cfu

second year
- design of applications, services and systems - 9 cfu
- one-four courses to be chosen among:
  bioinformatics - 6 cfu
  language processing technologies - 6 cfu
  human-centered robotics - 6 cfu
  multivariable and non-linear control - 6 cfu
  decision analysis - 6 cfu
  neural networks - 6 cfu
- internship - 9 cfu
- final thesis -18 cfu

curriculum Robotics and automation
first year
- discrete event systems - 9 cfu
- complex dynamic systems - 6 cfu
- human-centered robotics - 6 cfu
- machine learning - 6 cfu
- artificial intelligence - 9 cfu
- mathematical methods for engineering - 6 cfu
- network optimization - 6 cfu
- sensors and microsystems - 6 cfu
- competence in English level B2 - 3 cfu

second year
- multivariable, non-linear and robust control - 9 cfu
- system identification and data analysis - 9 cfu
- up to three courses to be chosen among (18 cfu):
  design of applications, services and systems - 9 cfu
  high performance computer architecture - 9 cfu
  design of applications and services - 6 cfu
  bioinformatics - 6 cfu
  language processing technologies - 6 cfu
  biga data - 6 cfu
  models and languages for bioinformatics - 6 cfu
  neural networks - 6 cfu
- internship - 9 cfu
- final thesis - 18 cfu

For further information please contact: l2_cae@diism.unisi.it

Department of reference
Information engineering and mathematics

https://en.unisi.it/teaching/postgraduate-and-other-programmes

Electronics and communications engineering

The MSc in Electronics Communications Engineering aims to form a graduate with advanced knowledge on current telecommunications and electronic systems and with the latest skills for their design, development and maintenance. The program provides studies in key technical areas such as digital communication techniques, information theory, electronic design and high-frequency techniques. Besides a solid math science/engineering education, the student can improve its skills tailoring the course to his requirements by choosing among a number of option modules in application fields such as security, safety, energy and environment.

The Master's graduate in Electronics and Communications Engineering can find jobs within industries, public companies, government agencies, financial institutions and research centres, whose R&D divisions carry out activities concerning design, production and management of systems for information processing and transmission, data networking, wired and wireless transmission, design, development and management of complex electronic systems and subsystems.

https://electronics-communications.unisi.it/en
numerus clausus: no

🇬🇧 **STUDY PLAN**
first year
- advanced digital image processing - 9 cfu
- analog circuit design - 6 cfu
- microwave engineering - 9 cfu
- networking - 6 cfu
- industrial reliability and safety engineering - 6 cfu
- mathematical methods for engineering - 6 cfu
- statistical signal processing - 6 cfu

- antennas and propagation - 9 cfu
- competence in English level B2 - 3 cfu

second year
- digital communication - 9 cfu
- information theory - 6 cfu
- three courses to be chosen among *(18 cfu)*:
  design of applications and services - 6 cfu
  electric system and energy market - 6 cfu
  industrial measurements and digital embedded electronics - 6 cfu
  RFID technologies - 6 cfu
  5G technologies - 6 cfu
  mobile communications and IoT - 6 cfu
  cybersecurity- 6 cfu
  sensors and microsystems - 6 cfu
- internship - 9 cfu
- final thesis - 18 cfu

For further information please contact: l2_ece@diism.unisi.it

Department
Information engineering and mathematics
www.diism.unisi.it

Engineering management

The MSc in Engineering Management provides high-level competences for mathematical modeling, optimization, decision making and management of systems and organizations. The study programme is focused on managerial economics, data and decision analysis, marketing, game theory, logistics and production planning and project management.

Graduates in Engineering Management at the Department of Information Engineering and Mathematics are interdisciplinary managers with advanced problem solving skills and a holistic view on modern companies in today's economic and social context, thus able to develop innovative and sustainable solutions for complex organizations.

https://engineering-management.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- project and human resources management - 6 cfu
- business intelligence - 6 cfu
- complex dynamic systems - 6 cfu
- automata and queueing system - 6 cfu
- production and supply chain management - 12 cfu
- managerial economics - 6 cfu
- data and decision analysis - 9 cfu
- game theory - 6 cfu
- competence in English level B2 - 3 cfu

second year
- marketing and innovation management - 9 cfu
- models for financial applications - 6 cfu
- one-three courses to be chosen among:

healthcare technology management
systems - 6 cfu
programming for data science - 6 cfu
big data - 6 cfu
machine learning - 6 cfu
business strategy - 6 cfu
manufacturing strategies and operations
- 6 cfu
electric system and energy market - 6 cfu
technologies for environmental resource
management - 6 cfu
virtual and rapid prototyping - 6 cfu
industrial reliability and safety enginee-
ring- 6 cfu
human centered robotics - 6 cfu
- internship - 9 cfu
- final thesis - 18 cfu

For further information please contact: l2_gest@
diism.unisi.it

Department
Information engineering and
mathematics

www.diism.unisi.it

https://en.unisi.it/international/
general-information-students

https://en.unisi.it/structures/
departments

https://en.unisi.it/teaching/
teaching-evaluation

Biotechnologies of Human Reproduction

The Course aims to prepare graduates with good theoretical and practical knowledge on reproductive biology and biotechnology. The graduates have the skills to apply the most up-to-date techniques to handle, in vitro fertilize and growth gametes and embryos, in addition to the most recent procedure for cryopreservation, genetic profiling, physiological and functional analyses. Ethic and law in assisted reproduction complete graduate's preparation. At the end of the biennium, graduates will be competent to operate in laboratories of assisted reproduction and biobanking for reproductive cells and tissues.

The course is open access, restricted by possessing specific curriculum requirements.

https://biotechnologies-humrep. unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- anatomy and histology of reproductive system - 12 cfu
- physiology of reproduction - 6 cfu
- biology of human fertility - 12 cfu
- pathology of reproduction - 6 cfu
- assisted reproductive techniques - 12 cfu
- embryo implantation and development - 6 cfu
- public health and human fertility - 6 cfu

second year
- management of infertile couple - 16 cfu
- etic and law in ART - 6 cfu
- pharmacology - 6 cfu
- reproductive toxicology and Animal models - 5 cfu
- others at student's choice - 8 cfu
- competence in English C1 level - 3 cfu

- internship - 1 cfu
- final thesis - 15 cfu

For further information please contact:
sanitarie.biomediche@unisi.it

Department of reference
Molecular and developmental medicine
www.dmms.unisi.it

https://en.unisi.it/
international/
prospective-and-
enrolled-
international-students
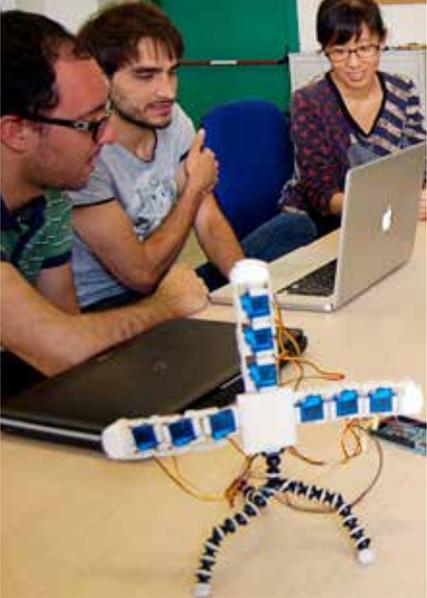
Genetic counsellors

The Master Degree in Genetic Counsellors is the first degree program in Italy that trains the professional figure of the genetic counsellor through the acquisition of the principles and practices of clinical, medical and laboratory genetics. Genetic counsellors are non-medical health figures that work closely with medical geneticists in both public and private medical genetics services. They support the medical geneticist in the main areas of genetic counseling and independently conduct genetic counseling whenever a clinical evaluation/diagnosis of the patient is not required. Among the various areas of activity are the prenatal, pre-conceptional and infertility settings, and the cancer genetics setting. The course will be divided into lectures and practical activities.

Objectives and Professional Roles:
Genetic counsellors works closely with medical geneticists in both public and private medical genetics services. They support the medical geneticist in the main areas of genetic counseling and independently conduct genetic counseling whenever a clinical evaluation/diagnosis of the patient is not required. Among the various areas of activity are the prenatal, pre-conceptional and infertility settings, and the cancer genetics setting.

https://genetic-counsellors.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- human genetics - 10 cfu
- formal genetics, statistics, probability and risk - 10 cfu
- ethical, legal and social implications in genetics - 6 cfu
- laboratory genetics and OMICs approaches - 8 cfu
- clinical genetics approaches and personalized medicine - 13 cfu
- counselling in fetal disorders and preimplantation genetic diagnosis - 6 cfu
- others at student's choice - 4 cfu
- internship - 1 cfu

second year
- psychological Issues in genetics - 12 cfu
- gene therapy - 10 cfu
- medical genetics and clinical trials - 6 cfu
- psycological issues in counselling - 6 cfu
- counselling skills - 12 cfu
- others at student's choice - 4 cfu
- final thesis - 12 cfu

For further information please contact:
sanitarie.biomediche@unisi.it

Department of reference
Medical biotechnologies
www.dbm.unisi.it

Medical biotechnologies

Aim of the course is to prepare graduates with good biomedical culture, with in-depth knowledge of biotechnology, acquired and consolidated on an important practical experience in laboratory. Graduates are able to design and organize effectively research plans in autonomy, in the field of biotechnology applied to medicine; they are able to manage and coordinate programs of development in biotechnology applied to human medicine and aimed at the protection, promotion and recovery of health. At the end of the biennium, Graduates in Medical Biotechnology will have acquired the knowledge and technical skills to integrate professionally in the areas identified in the specific Study Plan of the Course.

Course in English, admission with programmed number of access (potential 45 seats, including 10 reserved for non EU students)

- Double degree with: Universidad de Sevilla (Spain)

https://medical-biotechnologies. unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- advanced biochemistry - 8 cfu
- advanced microbiology - 14 cfu
- next generation genomics - 6 cfu
- vaccine discovery and development - 6 cfu
- clinical microbiology - 10 cfu
- medical genomics - 6 cfu
- reproductive health and regenerative medicine - 9 cfu
- others at student's choice - 3 cfu

second year
- advanced neurology - 9 cfu
- experimental pathology & immunity - 9 cfu

- oncology and molecular immunopathology - 11 cfu
- internship - 1 cfu
- language skills - 3 cfu
- others at student's choice - 5 cfu
- final thesis - 20 cfu

For further information please contact:
sanitarie.biomediche@unisi.it

Department of reference
Medical biotechnologies
www.dbm.unisi.it

https://en.unisi.it/
international/
international-
exchange-students

SINGLE CYCLE DEGREE COURSES

Dentistry and dental prosthodontics

The main goal of the new Undergraduate Program in Dentistry (in English language) is to graduate Doctors capable of competence, clinical expertise and ethics in providing oral care to patients . The students will take courses on basic sciences, such as oral physiology and pathology, medical topics related to dentistry, and all dental topics (e.g. restorative dentistry, endodontics, periodontology, oral surgery, implantology, prosthodontics, orthodontics, gnathology). Each topic will be addressed in lectures and practicals, in order to increase the theoretical knowledge and develop the professional skills of the students.

The undergraduate program is based on the recommendation of ADEE (Association of Dental European Education) and of the Italian Minister of Education. In their last year, all the students must work on patients daily, using also the innovative means of digital dentistry and new dental materials.

https://dentistry.unisi.it/en
numerus clausus: si (a normativa UE)

🇬🇧 STUDY PLAN

first year
- histology and anatomy - 16 cfu
- quantitative methods - 11 cfu
- scientific methods and behavioral sciences - 9 cfu
- chemistry - 7 cfu
- applied biology - 7 cfu
- scientific english - 4 cfu
- others at student's choice - 6 cfu

second year
- physiology - 9 cfu

- biochemistry and biology - 9 cfu
- diagnostic imaging and radiotherapy - 6 cfu
- basics of dentistry - 18 cfu
- general pathology and oncology - 10 cfu
- pathologic anatomy - 6 cfu
- others at student's choice - 2 cfu

third year
- medical sciences I - 16 cfu
- microbiology and hygiene - 13 cfu
- oral pathology and dermatology - 11 cfu
- dental materials and prosthetic and laboratory technologies - 14 cfu
- pharmacology - 6 cfu

fourth year
- medical sciences II - 12 cfu
- gnathology - 4 cfu
- neurology and psychiatry - 5 cfu
- oral and dental sciences - 30 cfu
- oral surgery - 5 cfu
- legal medicine - 4 cfu

fifth year
- dental prosthodontics - 6 cfu
- implantology - 12 cfu
- orthodontics - 9 cfu
- pediatric dentistry - 6 cfu
- periodontology - 6 cfu
- restorative dentistry - 12 cfu
- maxillo-facial pathology and therapy - 9 cfu

sixth year
- integrated oral and dental therapy I - 24 cfu
- integrated oral and dental therapy II - 26 cfu
- final thesis - 10 cfu

For further information please contact: medicina@unisi.it

Department of reference
Medical biotechnologies
www.dbm.unisi.it

Biology
curriculum Biodiversity and environmental health

The Master's Degree course in Biology provides a highly specialized training course for the access to advanced levels of training (PhD) and to undertake scientific research in universities or in public or private research laboratories, project activities in biotechnology, pharmaceutical and agro/food companies and public and private organizations, and job opportunities in the fields of environmental impact, biodiversity and health. Biodiversity and Environmental Health is one of the two educational paths of the MSc program in Biology of the University of Siena.
The course aims to provide insights into the field of biodiversity and the ways of its interlinking with planetary health. Themes in the areas of microbial, fungal, plant and animal diversity will be covered, either by lectures and laboratory based activities. Modules focusing on conservation biology and resource management will be addressed to train students on environmental sustainability, by defining the role of living organisms within ecosystems and applying monitoring and control techniques in order to preserve their diversity. Critical issues concerning the contribution of biodiversity to the development of pharmaceuticals and the quality and safety control of food sources will be also considered. Altogether, the course is designed to prepare a new generation of experts able to research and apply integrated approaches to biodiversity and planet health.
Curriculum: Molecular and Cellular Biology (in Italian), Biodiversity and Environmental Health (in English)

Objectives and professional roles
The course prepares for the biologist profession and others assimilated. Some examples are: researcher at state and private universities and other public and private research organizations; responsible in pharmaceutical, biotechnologi-

cal and agro-food industries and in public and private laboratories; responsible in public and private bodies (Municipalities, Regions, Museums, Parks and Protected Areas). In addition, it enables the access to courses and/or competitions for the teaching of science disciplines in public and private primary and higher schools.

https://biologia.unisi.it/en
numerus clausus: no

STUDY PLAN
curriculum Biodiversity and environmental health

first year
- evolution of biodiversity of terrestrial plants - 6 cfu
- biodiversity of fungi - 6 cfu
- biodiversity of terrestrial animals - 6 cfu
- microbial biodiversity - 6 cfu
- conservation biology - 6 cfu
- biodiversity and pharmaceuticals - 13 cfu
- two courses to be chosen among:
  plant nutritional physiology - 6 cfu
  monitoring biodiversity - 6 cfu
  proteome science - 6 cfu
  quality control of food - 6 cfu
  food safety and human health - 6 cfu
- competence in English - 3 cfu

second year
- molecular applied zoology - 6 cfu
- ecotoxicology and environmental protection - 6 cfu
- biodiversity and environmental quality - 6 cfu
- others at student's choice - 12 cfu
- internship - 6 cfu
- final thesis - 26 cfu

For further information please contact: didattica.dsv@unisi.it

Department
Life sciences
www.dsv.unisi.it

Chemistry

The Chemistry Masters is a high level degree course with leading professors from around the world. It provides the unique educational opportunity in an international student environment. The core and optional courses present in the program allow a range of learning and training opportunities that allow for a wide range of employment and research opportunities, born from close ties with local and international industrial partners.
Graduates in Chemistry will have both the academic and professional training to be ready leading PhD programs at the national and international level.

https://chemistry.unisi.it/en
numerus clausus: no

🇬🇧 STUDY PLAN
first year
- advanced physical chemistry (I e II mod.) - 12 cfu
- advanced inorganic chemistry (I e II mod.) - 12 cfu
- advanced organic chemistry (I e II mod.) - 12 cfu
- advanced analytical chemistry - 6 cfu
- advanced biological chemistry - 6 cfu
- two courses (12 cfu) to be chosen among those listed in group 1 and group 2:
  group 1 (chemistry for life):
  retrosyntesis - 6 cfu
  protein crystallography - 6 cfu
  surface chemistry and nanomaterials - 6 cfu
  elements of computational organic spectroscopy - 6 cfu
  group 2 (chemistry for sustainable development)
  nutraceutical and food chemistry - 6 cfu
  industrial biotechnology - 6 cfu
  environmental spectroscopy - 6 cfu
  smart materials and nanocarriers - 6 cfu

second year
- activities to be chosen by the student - 12 cfu
- one course to be chosen among those listed in group 1 and group 2:
  group 1 (chemistry for life):
  NMR applications for food chemistry - 6 cfu
  informatics for chemistry and biology - 6 cfu
  group 2 (chemistry for sustainable development):
  sustainable and efficient energy - 6 cfu
  green chemistry and catalysis - 6 cfu
  remediation of contaminated sites - 6 cfu
- health and safety safeguard in the working environment - 1 cfu
- internship in a company/in a research lab - 11 cfu
- experimental project for final dissertation - 30 cfu

For further information please contact: didattica.dbcf@unisi.it

Department
Biotechnology, chemistry and pharmacy
www.dbcf.unisi.it

POSTGRADUATE COURSES AND OTHER PROGRAMMES

The University of Siena runs a variety of postgraduate schools and doctoral research schools.
The University also organizes vocational and advanced master's programmes, training, advanced training
and refresher courses and summer schools, with a choice of two starting dates per year.
Information on the selection procedure is available at the following address:
Training and Postgraduate Education Office - post-laurea@unisi.it

DOCTORAL PROGRAMMES

The University of Siena has set up Doctoral Programmes for young people with particular expertise in the field of research who wish to obtain the qualification of PhD. The Doctoral Programmes offer a wide variety of programmes on specific scientific topics.
Admission to the Doctoral Programmes is subject to a selection process, which is open to those in possession of an Italian second cycle degree (or degree awarded under the previous Italian system) or an equivalent qualification awarded by a foreign University.
Each year at least half of the number of doctoral students admissible to each Doctoral Programme
will receive a scholarship. These are awarded according to a list of merit drawn up following the admission examination and the exact number of grants is redefined on an annual basis.
• Courses begin on October 1st of each year, according to the proposals of the individual Academic Boards and the decisions of the Academic Senate.
• Competition announcements for admission to the Doctoral Schools are issued from April/May.
• The selection procedures will be completed by July 30th for the Doctoral Programmes.

GUIDELINES TO THE ONLINE APPLICATION PROCEDURE FOR DOCTORAL RESEARCH PROGRAMMES
The online procedure comprises two phases:
1. Registration of candidates' personal information
2. Application for admission exam.

DOCTORAL PROGRAMMES XXXV CYCLE
A.A. 2019/2020
• Learning and innovation in social contexts and workplaces
• Biochemistry and molecular biology
• Medical biotechnologies
• Chemical and pharmaceutical sciences
• Economics
• Philology and literary criticism
• Experimental physics
• Genetics, oncology and clinical medicine
• Engineering and informatic science
• Molecular medicine
• Life sciences
• Environmental, geological and polar sciences and technologies
• Legal sciences

INTER-UNIVERSITY CONSORTIUM JOINT DOCTORAL PROGRAMMES
• Informatics
• Earth sciences
• Life Sciences
• Smart Computing
• Smart Industry
• Neuroscience
• Historical and educational linguistics, italianistic studies. Italian and other language and cultures
• Antiquity and archaeology
• History of visual and performing arts

Info at: Ufficio per il Dottorato di Ricerca - ufficio-dottorato@unisi.it

https://en.unisi.it/research/doctoral-research-schools

POSTGRADUATE SCHOOLS

The Postgraduate Schools aim to provide graduates with the knowledge and experience required to carry out specific professional activities. Postgraduate schools train graduates for professions involving particularly complex knowledge and technologies, which require a division of skills into distinct areas.

HEALTHCARE SPECIALIZATION SCHOOLS

- Anatomical pathology
- Anaesthesiology, intensive care and pain therapy
- Cardiac surgery
- General surgery
- Maxillofacial surgery
- Pediatric surgery
- Reconstructive and aesthetic surgery
- Vascular surgery
- Dermatology and venerology
- Endocrinology and metabolic disease
- Geriatrics
- Medical genetics
- Gynecology and midwifery
- Hygiene and preventive helathcare
- Cardiovascular disease
- Infectious and tropical diseases
- Emergency medicine
- Internal medicine
- Neurology
- Oftalmology
- Medical oncology
- Orthopedics and traumatology
- Otorhinolaryngology

https://en.unisi.it/ teaching/ postgradute-and-other-programmes

- Clinical pathology and biochemistry
- Pediatrics
- Psychiatry
- Radiodiagnostics
- Radiotherapy
- Rheumatology
- Microbiology and virology
- Medical genetics
- Pathology and clinical biochemistry
- Orthodontics
- Hospital chemistry

OTHER SPECIALIZATION SCHOOLS

- Historical and artistic assets
- Legal jobs

Info at: Scuole di specializzazione - specializzazioni@unisi.it

UNIVERSITY POSTGRADUATE VOCATIONAL PROGRAMMES

These programmes are lifelong and continuing education courses that last 10-16 months and are accessible to graduates with a first cycle degree (for the first level) or second cycle degree (second level).
A minimum of 60 credits must be obtained to achieve the qualification.
Vocational programmes may also be run in collaboration or under agreements with public or private external bodies.

Info at: Ufficio Master e corsi - master-corsi@unisi.it

FIRST LEVEL VOCATIONAL COURSES
- Business communication. Languages, instruments, technologies
- Conflict management and humanitarian actions
- Sports physiotherapist
- Foundation in phytotherapy
- Geomatics
- Clinical management of the periodontal patient

- Midwifery, obstetrics and other health professions in legal and forensic field
- Digital edition
- Management for health professions
- Master for the functions of coordinator in the sanitary professions
- Complementary medicine and integrated therapies
- History, design and marketing of jewel
- Development and internationalization of small and medium-sized firms
- Macroscopic, histological and molecular diagnostic techniques applied to the pathological anatomy

- SECOND LEVEL VOCATIONAL COURSES
- Advanced Endodontics
- Advanced in Prosthodontic Sciences
- Medical biotechnology and biology of human reproduction
- Drug design and synthesis
- Drug development and clinical applications
- Obstetric ultrasonography, a midwifery mean
- Endodontics and restorative dentistry
- Engineering geology
- Phytotherapy
- Exploration geophysics
- Geomatics
- Environmental geotechnologies
- Geotechnologies for archaeology
- Health services management
- Lean health care management
- Aesthetic medicine
- Homeopathy and its application in integrated medicine
- Oral pathology and surgery
- Prosthodontic sciences
- Prosthodontics and new technologies
- Prosthodontics, aesthetics and digital dentistry
- Cosmetic science and technology
- Industrial pharmaceutical technology
- Advanced therapies and techniques in skeletal muscle disorders
- Literary translation and editing of ancient and modern texts
- Vaccinology and drug development

STUDYING AND TRAINING ABROAD

Through its mobility programmes, the University of Siena gives you the opportunity to enrich your learning experience with a period of study and/or training abroad.

Study in Europe with Erasmus+

Among the first to join the Erasmus Programme, the University of Siena currently partners with some 400 Universities throughout Europe. Through Erasmus+ for Studies you can attend courses abroad, sit exams and conduct research for your degree thesis for a 3-12 month period; you can take part in the programme more than once during your academic studies.

Join the Erasmus Plus for Traineeship programme, instead, to complete 2-12 month traineeships or internships in European companies or institutions.

You may also start the traineeship after your degree thesis; this provides you with a concrete opportunity to place yourself on the job market. The Erasmus Programme also provides study opportunities outside of Europe through International Credit Mobility (ICM).

Other international programmes

Every year there are calls for grants to complete periods of study or research in European or International universities.

The calls for application are published each year in the autumn. The application requirements depend on your destination, as indicated in the individual calls for application.

If your grade point average after the first year of your first cycle degree course is at least 27/30, you can apply for a summer study grant to attend an English language course at King's College Cambridge (UK), in accordance with the stipulated agreement.

Double Degree Programmes

Students can apply for a Double Degree pro-

gramme by taking part in the internal selection procedure. The programme enables students to complete a period of study and sit exams at a partner university; students are awarded a degree from both the University of Siena and the partner institution.

To apply for International Mobility grants, students must wait for the publication of the Calls for Application (in the autumn) or for the Erasmus for Traineeship call for applications (throughout the year).

LEARNING SUPPORT STRUCTURES AND STUDENTS' SERVICES

Libraries
The University of Siena has five special libraries in the following areas: humanities, economics, law-politics, science-technology, and medicine-pharmacy-biology. Located in the different teaching complexes, together they make up the Siena University Library System (Sistema Bibliotecario di Ateneo, SBA).

To consult books or documents in the library, use the unified One Search platform; it enables you to search the University catalogue online 24 hours a day, even from external workstations.

CLA - University language center
To learn foreign languages you can take advantage of the CLA educational services.
The following languages are taught at various levels: English, French, Spanish, German, Portuguese, Russian and Chinese (Arezzo only).
The Language Centre delivers the level B1, B2 and C1 English proficiency exams required for University degree courses and the related preparation courses in the classroom or in blended courses, which integrate face-to-face lessons with online learning assisted by a tutor.
To facilitate autonomous learning, CLA provides self-access language laboratories equipped with, audio video and computer workstations and in which you can find support materials for courses and exam preparation.
CLA is an official exam centre for University of Cambridge international certificates of proficiency in English (PET, FCE, CAE, CPE)

https://en.unisi.it/structures/libraries

University e-learning platform, Moodle portal

The e-learning platform hosts e-learning courses and certain modules of traditional courses. The aim is to create an environment that is in line with the educational aims of the course and stimulating for the student, who is called upon to interact with the contents of the virtual classroom.
The interface may be accessed from any device (pc, tablet, smartphone).
The following will be available for each course module: the syllabus, bibliographical references, teaching materials, recordings of lectures, tools for collaboration (forums, chats) and for evaluation/self-evaluation (questionnaires, feedback, etc.).
elearning.unisi.it/moodle/

Santa Chiara Lab

Santa Chiara Lab is part of a University of Siena strategic project. It is an area for workshops, exhibitions and dialogue which aims to provide transferable soft and digital skills so as to enhance the employability of its students and graduates and the professional profile of its teaching staff and technical-administrative personnel.
http://santachiaralab.unisi.it/
santachiaralab@unisi.it

PROSPECTIVE AND ENROLLED INTERNATIONAL STUDENTS

Dedicated to international students, the International Place is part of the URP - Information Office and is located in the Main University Building (URP, Banchi di Sotto 55, Siena).
It gathers under one roof the various activities and services offered to international students: those enrolled on or intending to enroll on one or more subjects, a degree course or a graduate at the University of Siena.
The International Place supports international users all the way path from initial access to the local and university environment to their full integration.

Enrollment overview

Applying to the University of Siena for an evaluation of candidate's qualifications is easy. Here are the steps to follow. You can apply via our online application system - https://apply.unisi.it/ - for up to two first or second level degree courses (Bachelor Degree and Masters' programmes), and the evaluation will be communicated within approximately one month, after the closing date of the related intake. The application fee is 30 euros per course. After the registration, for further entries in your online application you just need to sign in with your personal access code. Please note that you can work on your application throughout the intake period for applications.
Normally the period for application is open from early November to late April, with possible variations depending on the different Programmes; the final calendar will be available in the above mentioned application platform.
Application process
Step 1: Find the right programme (you can choose up to two programs).
Step 2: Click on "Become an applicant" to start your application. Shortly after you will receive your personal access code via email.
Step 3: Create your application package (as required by the specific programme of your choice).
Step 4: Wait for the response to your applica-

tion. After you have applied, an Enrolment Committee will assess your background and skills against the requirements of the degree programmes you have chosen.

You will be notified about acceptance within approximately one month of the closing date of the intake. In case of a large number of applications, students who will pass the selection based on the submitted documents should be invited to take part in a remote written test, possibly followed by an interview. The dates of the remote written test will be communicated to the admitted students at the email address used for the application.

Step 5: Check the university enrolment regulation at the Italian Embassy/Consulate of your country.

Step 6: If you are a non-EU citizen resident abroad, the pre-enrolment procedure for obtaining your VISA study is to be done at the Italian diplomatic representation of your country.

Important notice for international students

For international students admission purposes the University of Siena does not make use of recruiters based abroad.

The University of Siena independently manages student admissions to degree programmes.

All personnel and offices of the University of Siena communicate exclusively through their unisi.it email addresses, any other email addresses do not come from personnel or offices of the University of Siena.

If you wish to verify the authenticity of an admission letter please contact internationalplace@unisi.it and enclose a copy of the letter.

https://apply.unisi.it/

Non European union citizens resident abroad

After the evaluation, if positive, candidates will receive a letter of acceptance from the University of Siena. Each candidate must pre-enroll at the appropriate Italian Diplomatic Representation according to specific procedures available at each IDR.

Italian language test

The Italian language test is compulsory for those non-EU applicants who want to enroll at a University Degree course taught in Italian. Normally at the University of Siena this test is planned in early September.

Candidates possessing a certified knowledge of Italian or those applying for courses delivered in English, must not take this test.

TUITION FEES & SUPPORT

Academic fees

University education in Italy is founded by the Italian government. This is the reason why the tuition fees are generally lower than in many other countries.

The University of Siena publishes the regulations on student fees on an annual basis. Students enrolled on first cycle, second cycle and long single cycle degree programmes pay from one to four instalments of tuition fees. The amount for each international student is based on his/her country of origin and the course chosen. The amount to be paid can be calculated using this tool www.maprin.unisi.it/tasse18_19/ric_tax.php

DSU scholarship

Students can apply for a scholarship provided by the DSU (Regional "Right to Study" Programme) and based on their family income; this will generate a ranking of assignment and only students in a good position will get this benefit.

The annual call for applications for DSU scholarships is published in the month of July on the DSU Toscana website www.dsu.toscana.it

Accommodation & students' facilities

The DSU Tuscany Agency handles a wide range of students' support services, like accommodation, university restaurants, sport.

Accommodation

In Siena there are different housing options, from university halls of residence to private accommodation (individual/shared apartments or single/double rooms).

The University of Siena has no student residences as such, but can use places in the dormitories owned by the DSU. There are 11 University Residences in Siena, some in the Center of the Town, some close to the City walls and well connected to the city and the Departments, all provided with free wi-fi connection.

Each Academic Year the DSU publishes an announcement for the granting of scholarships and places in accommodation, which is available at the following webpage:
www.dsu.toscana.it/servizi/benefici-a-gli-studenti/borsa-di-studio-e-posto-alloggio
More info on DSU scholarship and services at: www.dsu.toscana.it

Restaurants

The University canteens are run by the DSU Toscana which offers to the students low cost full meals (from 2.80 to 4.00 Euros) with varied menus.

In order to access the University canteens students need a smart card, which is issued upon enrolment. For exchange students this card is issued by the International Relations Office upon registration at the University.

CUS - Sports centre

In collaboration with the DSU and Siena University Sports Centre (CUS), the University promotes sports for students by offering courses for free or at reduced rates in: basketball, football, volleyball, rugby, judo, weight training, fencing and tennis.

Competitive sporting events recognized by the respective national federations are also organized. To participate in these events, students

must carry a DSU-Toscana/CUS membership card.

Career services

To come directly into contact with the job world and provide support, the Placement Office organizes career days, corporate presentations, and departmental events to provide information on companies in certain fields of interest. Furthermore, advanced apprenticeships (or "higher education and research apprenticeships") enable you to enter a company during the last year of a second cycle degree through an open-ended employment contract that allows you to simultaneously complete your degree. www.unisi.it/placement

Erasmus Siena group (ESN/GES)

If you are a former Erasmus student or a foreign student studying in Siena, you can contact the Erasmus Group Siena (GES): this is a group of volunteer students with no political or religious affiliation which helps integrate international students within the Siena university community and the city's social fabric and provides information to Italian students interested in mobility programmes.
ESN Siena GES is member of "E.S.N." (Erasmus

Student Network), a network of associations which represents international students, thus provides opportunities for cultural understandings and self development under the principle of Students Helping Students.

Every year ESN Siena delegates take part in different meetings of ESN to discuss about common strategies to promote mobility programs. www.gruppoerasmussiena.it

Buddy System

The Buddy program is promoted by University of Siena in cooperation with ESN Siena GES association. Its purpose is not only to assist exchange students with practical matters regarding their settlement in the new country. It mainly aims at facilitating integration in the Italian academic life and the Italian student community.

The Buddy program is, above all, a great opportunity to make new friends from other parts of the world and to create long lasting intercultural friendships! In the framework of the program, the Buddy gets the opportunity to practice a foreign language, get acquainted with different cultures, develop his/her social skills; the buddy also gets the chance to participate to sponsored social events to meet his/her fellow Buddies and to participate to the exclusive ESN Siena GES events.

Finding information

Where can you find information? On the website, University social networks and department websites you will find all the institutional information required, as well as notices of meetings and events.

The University front office: the Urp and International Place

You can contact the URP - Information Office to receive general information on the University of Siena, its services, courses , facilities and opportunities. You can also find out about matriculation and enrolment and receive assistance in completing these procedures online (at the front office, by phone or email) info@unisi.it

The International Place, a part of the URP - Information Office, is dedicated to international students, in particular to those who are enrolled or wish to enrol in a first level (bachelor's and single cycle master's), second level (master's) degree course or individual module.

Students can contact the International Place to receive information on: the University and its services, residence permits, health insurance, the Italian tax code (codice fiscale), the validity of an academic qualification, recognition of foreign academic qualifications, shortening a course.
internationalplace@unisi.it

international mobility students should contact the Welcome Office at incoming@unisi.it

https://en.unisi.it/international/general-information-students/accommodation

https://en.unisi.it/international/general-information-students/entry-visa-and-temporary-residency-permit

CONTACTS

- International Office
<mark>www.unisi.it/internazionale</mark>
via San Vigilio, 6
tel. +39 0577 235182/5194/5199
incoming@unisi.it
internazionale@unisi.it
erasmus.out@unisi.it
uri@unisi.it

- International Place
<mark>www.unisi.it/internazionale/
prospective-and-enrolled-international-students</mark>

Banchi di Sotto, 55 – presso l'URP
tel. +39 0577 235122/5181
internationalplace@unisi.it

- URP, Information Office
<mark>www.unisi.it/urp</mark>
Banchi di Sotto, 55
numero verde (solo da rete fissa): 800221644
tel. 0577 235555
urp@unisi.it

- Office for students with disabilities
<mark>www.unisi.it/accoglienza-disabili-e-servizi-dsa</mark>
Banchi di Sotto, 55
tel. 0577 235518/5415
uffdisabili@unisi.it

- Santa Chiara Lab
<mark>santachiaralab.unisi.it</mark>
via Valdimontone, 1
tel. 0577 235272/5215
santachiaralab@unisi.it

https://en.unisi.it/

NOTE

NOTE

NOTE

NOTE

NOTE

www.unisi.it

UNIVERSITÀ
DI SIENA
1240

CONTACTS
International exchange students
incoming@unisi.it

Prospective and enrolled International students
internationalplace@unisi.it

PLANNING YOUR DEGREE
en.unisi.it/planning-your-degree
en.unisi.it

USiena - International Office
International Place Università di Siena

USiena
international office