UniPaOrienta

STUDY PROGRAMMES 2025/2026

Università degli Studi di Palermo

UNIPA ORIENTA

Finanziato dall'Unione europea
NextGenerationEU

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WHO WE ARE

www.unipa.it

www.orientamento.unipa.it

Founded in 1806 by Ferdinand III of Bourbon, King of Naples and the Two Sicilies, who transformed the Panormitan Academy of Studies into a university. Today, UNIPA is a major university, equally focused on teaching, research, and the third mission. Its current educational offerings include 161 courses of study, including Bachelor Degrees, Master Degrees Single Cycle, and Master Degrees, as well as 44 specialization schools and 33 research doctorates.

The educational paths represent broad fields of knowledge, combining tradition and experience with a constant openness to innovation, the productive world, and social inclusion. Important scientific figures have carried out their work at the university in Palermo, including the President of the Republic, Sergio Mattarella; the astronomer Giuseppe Piazzi; the chemist Stanislao Cannizzaro; the architect Giuseppe Venanzio Marvuglia; and Nobel Prize in Physics winner Emilio Segrè. Furthermore, Giovanni Falcone, Paolo Borsellino, and Francesca Laura Morvillo also studied at UNIPA.

THE ACADEMIC COMMUNITY

Over **45,000** Students

Over **1,700** Professors and Researchers

Over **1,300** Technical and Administrative Staff

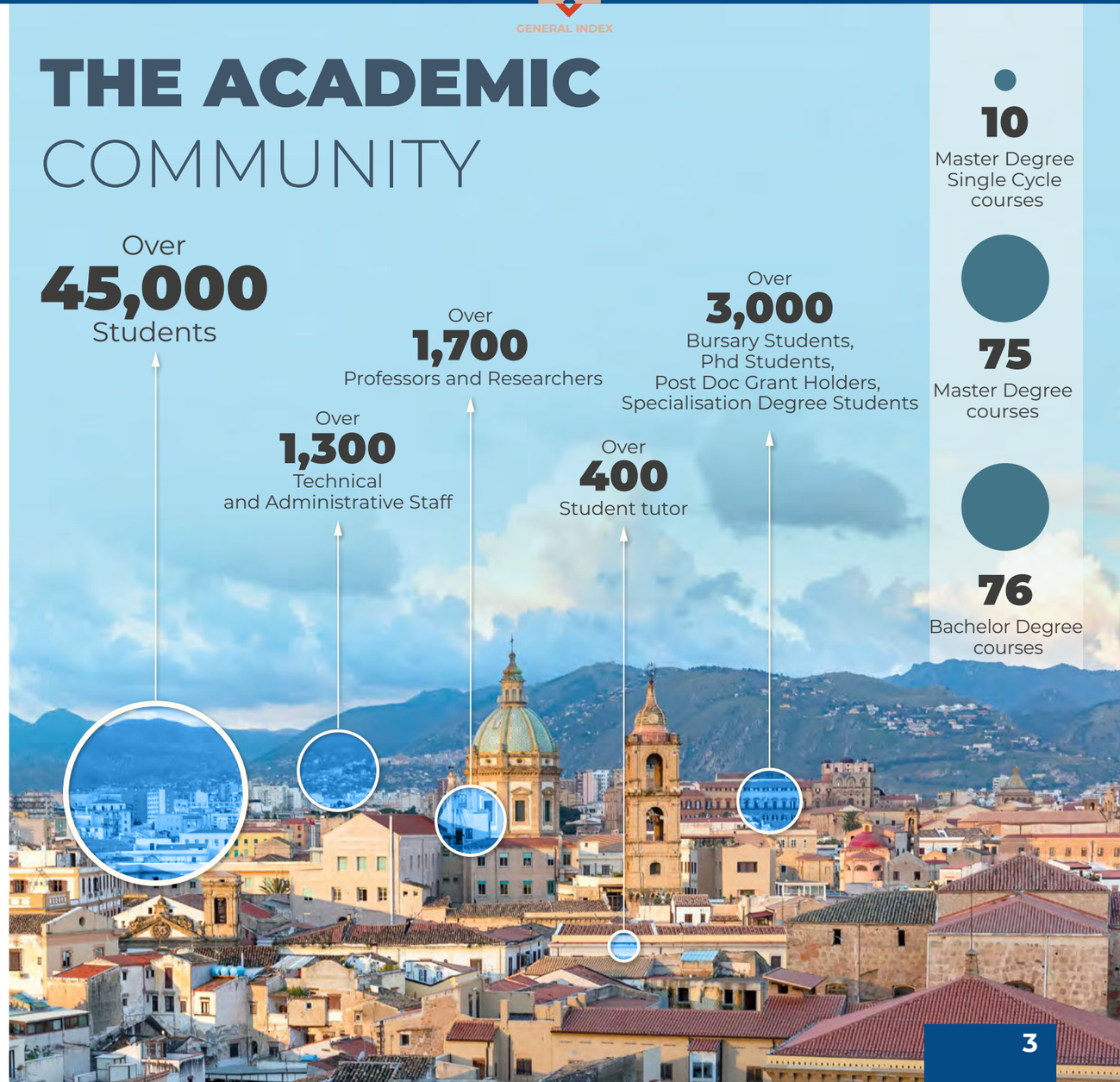
Over **400** Student tutor

Over **3,000** Bursary Students, Phd Students, Post Doc Grant Holders, Specialisation Degree Students

10 Master Degree Single Cycle courses

75 Master Degree courses

76 Bachelor Degree courses



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THE TRANSITION FROM HIGH SCHOOL TO UNIVERSITY

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CHOOSING YOUR UNIVERSITY PATH

www.orientamento.unipa.it

Who can help me choose my university path?

The University of Palermo's Guidance and Tutoring Center (COT) carries out and promotes guidance, counselling, and information activities both in-person and remotely for:

- students in the last three years of high school, to offer them in-depth knowledge of the University's educational offerings.
- students in the first two years of high school, to initiate a reflection on their personal interests.
- international students, to support them, including with administrative procedures.
- High school teachers and parents, to present the university, its educational offerings, and its services.

The center's main objectives are:

- to promote the university's educational programs and services available to students.
- to help students in the process of evaluating and choosing a degree program to enrol on.
- to intensify collaboration between schools and the university.

Who can help me choose a university?

www.unipa.it/strutture/orientamento/studenti/

www.unipa.it/strutture/orientamento/studenti-stranieri/

The **Guidance and Welcome Desk** (SOA) provides information and clarification on the university's educational offerings, orientation activities that facilitate the choice of a degree program, COT services, enrollment procedures, calls for applications, post-graduate educational opportunities, and career prospects. Through a dedicated desk, parents can find a space to explore, discuss, and reflect on topics related to university choice, so they can support their children in their future educational and professional decisions.

The **International Student Guidance and Welcome Desk** (SOAS) (both from EU and non-EU countries) serves as a first point of contact, offering a space for listening and providing support. This is especially helpful during the integration phase into a different cultural environment, where students may encounter difficulties related to adapting to university life.
The desk provides assistance with: procedures for the validation of foreign degrees, University enrollment and registration, obtaining/renewing residence permits, resolving any bureaucratic or administrative issues concerning foreign citizens.

How to Use the Service:

Meetings can be held in-person at the COT office or online through the Microsoft Teams platform.

How to Book a Meeting:

For remote meetings (**Italian students**):
Use the Booking system available at the link: https://www.unipa.it/strutture/orientamento/booking.html

For remote meetings (**International students**):
Send an email to: studentistranieri.cot@unipa.it

For in-person meetings (**Italian students**):
Contact the office at 091.23863206 or email orientamento@unipa.it

For in-person meetings (**International students**):
Use the Booking system available at the link: https://www.unipa.it/strutture/orientamento/booking.html

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GUIDANCE FOR CHOOSING

CHOOSING YOUR FUTURE

www.unipa.it/strutture/orientamento/studenti/Test-di-orientamento-Consulenza-individuale/

www.unipa.it/strutture/orientamento/studenti/Percorso-di-Orientamento-online-UniPaOrienta/

Individual orientation counselling helps students choose the right degree program. This service includes two parts: a test session (a group administration of self-assessment questionnaires about academic and professional interests, as well as personal characteristics) and an individual meeting: a one-on-one session with an guidanceorientation expert to help you make an informed decision about your educational and career path.

How to Use the Service:

Meetings can be held in-person at the COT office or online via the Microsoft Teams platform.
To book a remote meeting: use the Booking system available at this link: www.unipa.it/strutture/orientamento/booking.html

To book an in-person meeting: contact the office at 091.23863206 or email orientamento@unipa.it

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Unipa Orienta. The university orientation workshops and the online university pre-orientation platform for high school students (last three years) are designed to offer a comprehensive overview of the University of Palermo. They serve as a form of “academic literacy” to help students become familiar with the university environment.
The program covers a range of topics, including: the academic offerings (degree programs); the organization of departments and degree courses; the CFU /ECTS (University Credit) and OFA (Additional Educational Requirement); systems; the procedures for university enrollment and registration; opportunities to study abroad; student services and financial benefits.
The online platform’s goal is to guide students in choosing their course of study through self-assessment and the exploration of their professional interests, motivations, and transversal/soft skills, such as teamwork, decision-making, problem-solving, and creativity/innovation.

How to Use the Service:

To book the university orientation workshop and the online orientation platform, you need to schedule one or more meetings with the COT orientation experts by calling 091.23863206 or writing to orientamento@unipa.it.

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UNIVERSITY ORIENTATION PATHWAY

Orientation pathway for students
in their fourth year of high school

SHAPING YOUR FUTURE

www.unipa.it/strutture/orientamento/studenti/iv-e-v-anno/

This activity is designed for fourth-year high school students and includes workshops in small groups, which can also be held online. The sessions are led by an orientation expert and aim to encourage students to reflect on their future educational and professional paths. In agreement with the high school, students may be awarded educational credits for their participation.

How to Use the Service:
To book the “Shaping Your Future” activity, you must schedule one or more meetings with the COT orientation experts. You can do this by calling 091.23863206 or emailing orientamento@unipa.it.

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ORIENTATION WORKSHOPS

Orientation pathway for students
in their third year of high school

CHARTING YOUR COURSE

www.unipa.it/strutture/orientamento/studenti/III-anno/

The orientation program for third-year high school students is designed to help small groups of students begin to evaluate their own interests and attitudes regarding their future careers and, consequently, their choice of a degree program.

How to Use the Service:
To book the university orientation program Charting Your Course, you need to schedule one or more meetings with the COT orientation experts by calling 091.23863206 or emailing orientamento@unipa.it.

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PNRR ORIENTATION COURSES

National Recovery and Resilience Plan (PNRR)

https://www.unipa.it/strutture/orientamento/pnrr-orientamento/

The courses, which are part of the PNRR Orientation (National Recovery and Resilience Plan, Mission 4 “Education and Research,” Investment 1.6, funded by the European Union - NextGenerationEU), are designed for high school students. They are conducted in collaboration with orientation experts from the Guidance and Tutoring Center (COT) and delegates for orientation from various departments. The main goal is to facilitate and encourage the transition from high school to university. The courses support students in choosing their academic path by helping them gain a greater awareness of their skills and by highlighting their personal aptitudes and professional interests.

To get information on how to activate the program and to see the available courses, you should send an email to: pnrrcot@unipa.it.
You can also download the University Catalog and the Guidelines for Schools directly from the dedicated webpage: https://www.unipa.it/strutture/orientamento/pnrr-orientamento/.

The courses delivered under the PNRR Orientation program also count as PCTO -Pathways for Transversal Skills and Orientation -and can be included in the students’ 30 hours of mandatory orientation.

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SCHOOL-TO-UNIVERSITY TRANSITION

Pathways for Transversal Skills and Orientation

The PCTO -Pathways for Transversal Skills and Orientation- (formerly known as School-Work Alternating Programs ASL), are designed for students in the last three years of high school. The programs take place in the laboratories and facilities of the University of Palermo. Their goal is to develop personal aptitudes, interests, and individual learning styles.
To get information on how to activate the program and to see the available courses, you must email orientamento@unipa.it.

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TOWARDS UNIPA

www.unipa.it/strutture/orientamento/preparazione-alle-prove-daccesso/

Workshop "How to Face Admission Tests"

This workshop is approximately three hours long and is designed to help you prepare for university admission test. It covers: analyzing the application announcements and bureaucratic requirements; effective strategies to tackle and pass the tests; practice with sample questions to help you understand the test structure, difficulty level, and time management.

Workshop "How to Study at UniPa, From High School to University"

This workshop is designed to support students as they transition from high school to the university environment. It provides effective solutions to help you: organize your study time and manage your workload and increase your determination and motivation to face this new academic journey.

Preparation Courses

The preparation courses for admission tests include 30 hours of lessons and exercises to deepen knowledge in a specific subject area covered by the tests. The available subjects are: Biology, Chemistry, Physics, Logic and General Knowledge, Mathematics. The courses are taught by university professors and are free of charge.
There are two sessions offered:

- Winter session: From December to April, with afternoon lessons.
- Summer session: From July to August, with daily "full immersion" lessons.

Admission Test Simulation

This activity is approximately two hours long and includes a simulation of the university admission tests. It measures your current knowledge of the subjects covered in the simulated test, which helps you plan a study path to address any gaps in your knowledge.

INFO SERVICE ACCESS METHODS::
eventietest.cot@unipa.it
+39 091 238 65502
+39 091 238 65503

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UNIPA ORIENTATION EVENTS

www.unipa.it/strutture/orientamento/eventi/

The Guidance and Tutoring Centre (COT), in collaboration with the university's departments, organizes informative orientation events. These events are designed to promote knowledge of the university's: Bachelor Degree Programs; Master Degree Single Cycle Programs; Master Degree Programs; student services and university facilities; opportunities for professional growth and development that the university provides both during and after your academic journey.

INFO SERVICE ACCESS METHODS:
eventietest.cot@unipa.it
+39 091 238 65502
+39 091 238 65503

SUMMER AT COT
This summer program is designed for prospective students and their families. It runs during the summer to support future students and their families during the important phase of choosing a degree program. The initiatives include: informational sessions on the academic offerings, as well as the deadlines and procedures for enrollment; orientation consultations and workshops/ simulations on admission tests.

WELCOME WEEK
This initiative is for fourth and fifth-year high school students, as well as school principals, teachers, and parents.
During the event, all Bachelor Degree courses and Master Degree Single Cycle courses for the upcoming academic year are presented.

DEPARTMENT OPEN DAYS
The departments at the University of Palermo organize Open Days, which are welcome events for high school students. These days include orientation activities and cultural deep dives. During an Open Day, high school students have the chance to: visit laboratories, museums, and exhibitions; attend university lectures; meet with university faculty and students.

WELCOME DAY MASTER DEGREE COURSES
This event is for both graduates and soon-to-be graduates. During the event, all Master Degree programs for the upcoming academic year are presented.

OPEN DAYS AT HIGH SCHOOLS
The Guidance and Tutoring Centre (COT) participates in events organized at high schools. The goal is to promote and present the University of Palermo's academic programs and student services directly to prospective students.

ORIENTATION FAIRS
The COT participates in various fairs, upon invitation from the organizers, to present the university's academic offerings and the services available to students.

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STUDY METHODOLOGY AND TUTORING

I'm a Newly Enrolled Student... Now What?

University of Palermo's Guidance and Tutoring Centre provides a series of services for newly enrolled students in order to:

- facilitate the transition from high school to university;
- promote the learning process by helping students acquire a personalized study method;
- address any obstacles that prevent students from succeeding on university exams.

What tutoring services are offered by UniPa?

www.unipa.it/strutture/orientamento/metodologia-e-tutorato/

Personalized Study Methodology Consultation

This service is for all university students, including those who are behind on exams, aren't taking exams, are working students, or are new freshmen. It is designed to help those who are experiencing significant distress due to slow learning or exam failures caused by an inadequate study method.
The program includes individual meetings led by a study methodology expert. These meetings can be held in-person or online, with a prior reservation.

Academic Tutoring

Academic tutors are students enrolled in master degrees, research doctorates, or specialization schools at the university. They assist students in improving their understanding of specific subject matter through exercises and in-depth workshops.
This activity is conducted in support of degree programs. The sessions can be held in-person or online, with a prior reservation.

Learning Tutoring for Students with Disabilities and Neurodiversity

Learning tutors are professionals (psychologists, neuropsychologists, psychopedagogues, and support teachers) who work closely with university departments. Their role is to identify the most suitable learning strategies for students with disabilities, neurodiversity, or other difficulties even if not officially diagnosed.
They also act as a mediator between the student, the course instructor, the degree program coordinator, disability and neurodiversity delegates, and academic and peer tutors.
Meetings can be held in-person or online, with a prior reservation.

How to Use the Service:

To book a session, you need to schedule one or more meetings with the COT's methodology experts. You can do this by calling 091.23865515 or emailing tutorato.cot@unipa.it.

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PSYCHOLOGICAL COUNSELLING SERVICE

www.unipa.it/strutture/orientamento/counselling-psicologico/

The Psychological Counselling Service is a free psychological consultation and support service offered by the Guidance and Tutoring Centre (COT) at the University of Palermo.
Students can seek psychological counselling to discuss any emotional or psychological difficulties that may arise during their university studies with a licensed psychologist-psychotherapist.
The service's main goal is to provide a safe space for listening, support, clarification, and reflection on personal, relational, and family issues. The aim is to help students find suitable strategies to cope with difficult times.
The counselling intervention is designed to prevent and/or treat psychological distress in students. Its purpose is to foster a healthy adaptation to the university environment, promote psychological well-being, and encourage individual autonomy and responsibility. It also helps students address personal, emotional-cognitive, and relational difficulties.
The counselling can be provided through individual or group psychological support.
Indiidual Sessions: the service offers short- or medium-term consultations. This can range from a few meetings up to a maximum of ten for short-term support, or from twelve to twenty-four meetings for medium-term support. Integrated interventions with the Psychiatric Service of the University Polyclinic can also be arranged.
Group Sessions: for group psychological support, the service offers bi-weekly, medium- to long-term meetings.
The service is available to all Italian and international students at the main campus, as well as those at the territorial centers of Agrigento, Caltanissetta, and Trapani, and to students on mobility programs.

You can attend the sessions in-person at the COT office or online via Microsoft Teams.
All psychological interventions are conducted with the utmost respect for your privacy and professional confidentiality, as required by the Code of Ethics for Psychologists. This applies to both the content of the consultation and the service itself.

For international students, consultations are also available in English.
The psychological counselling service managed by the COT is part of a larger university service called S.I.A.S.P.
For more information or to request an appointment, please email: counsellingpsicologico.cot@unipa.it, siasp@unipa.it

PSYCHOLOGICAL COUNSELLING Service*
*booking required
Monday/Tuesday/Wednesday/Thursday/ Friday: 9 am to 1 pm
Tuesday/Thursday: 2 to 5 pm
091 238 65518
091 238 65548
counsellingpsicologico.cot@unipa.it

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TERRITORIAL UNIVERSITY CAMPUSES

The University of Palermo has developed a strong presence across the region, thanks to its three Territorial University Campuses. These campuses bring the university's services and academic programs directly to the areas of Agrigento, Caltanissetta, and Trapani.
Each campus has a unique history deeply connected to the local region. They are lively and welcoming academic communities known for the high quality of their teaching.
The Territorial University Campuses in Agrigento, Caltanissetta, and Trapani offer a wide variety of Bachelor Degree, Master Degree Single Cycle and Master Degree Programs. These programs are designed not only to meet the educational needs of young students but also to contribute to the growth of the local socio-economic community.

Orientation Events at the Territorial Campuses

Open Day

Each year, between February and April, every Territorial Campus opens its doors to the city to showcase its facilities, laboratories, and academic programs. The events welcome fourth and fifth-year high school students, school principals, teachers, and families.
During the Open Day, all Bachelor Degree and Master Degree Single Cycle programs for the upcoming academic year are presented in detail. The days also feature themed workshops, testimonials from current students and graduates, and in-depth sessions on orientation services led by the Guidance and Tutoring Centre.

Open Day at High Schools

The Guidance and Tutoring, Centre in collaboration with staff from the Territorial Campuses, participates in events organized at high schools in their respective provinces.
The goal is to promote and present the academic programs of both the campuses and the university as a whole, as well as the student services and the orientation activities available to prospective students to help them with their choices.

Territorial Campus Info-Points

Info-Points are set up at various times of the year in popular locations throughout the city. They are designed for a primary target audience of students but also attract families and anyone interested in learning about the university's degree programs, services, and orientation activities for current and prospective students. These initiatives are open to young people, families, and the general public. Their goal is to showcase the dynamic and diverse nature of the Territorial Campuses within their respective communities.

AGRIGENTO TERRITORIAL UNIVERSITY CAMPUS
Via Ugo La Malfa - Villa Genuardi - Agrigento +39 09123897801
Via Quartararo, 6 - Agrigento +39 09123897800
polodidattico.ag@unipa.it https://www.unipa.it/poloagrigento

CALTANISSETTA TERRITORIAL UNIVERSITY CAMPUS
Corso Vittorio Emanuele, 92 - Caltanissetta +39 09123865805
Via Real Maestranza sn – Caltanissetta +39 09123865803
Via Re D'Italia 74 - Caltanissetta +39 09123865804
polodidattico.cl@unipa.it https://www.unipa.it/polocaltanissetta

TRAPANI TERRITORIAL UNIVERSITY CAMPUS
Lungomare Dante Alighieri, 2/ 4 - Erice
+39 09123864401
polouniversitario.tp@unipa.it https://www.unipa.it/polotrapani

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SUMMARY

www.orientamento.unipa.it

www.facebook.it/orientamento.unipa.it

www.unipa.it/strutture/orientamento/booking.html

The activities are free of charge and are carried out by guidance experts both remotely and on-site at the following location: CENTRO ORIENTAMENTO E TUTORATO (COT)/Guidance and Tutoring Centre (COT)
Viale delle Scienze / Building 2 / 2nd Floor / Palermo
tel. 09123865500

GUIDANCE AND WELCOME DESK / PARENTS' DESK*
*booking required

Monday/Wednesday/Friday 9 am to 1 pm, Tuesday 3-5 pm
www.unipa.it/strutture/orientamento/studenti/
+39 091 23863206 orientamento@unipa.it

INDIVIDUAL ORIENTATION COUNSELLING / ORIENTATION WORKSHOP*
*booking required

Monday/Wednesday/Friday 9 am to 1 pm, Tuesday 3-5 pm
www.unipa.it/strutture/orientamento/studenti/
+39 091 23863206 orientamento@unipa.it

SCHOOL-TO-UNIVERSITY TRANSITION PATHWAYS*
*booking required

Monday/Tuesday/Wednesday/Friday 9 am to 1 pm, Tuesday 3-5 pm
https://www.unipa.it/strutture/orientamento/pnrr-orientamento/
pnrrcot@unipa.it

PSYCHOLOGICAL COUNSELLING SERVICE*
*booking required

Monday/Tuesday/Thursday/Friday 9 am to 1 pm, Tuesday/Thursday 2-5 pm
www.unipa.it/strutture/orientamento/counselling-psicologico/
+39 091 23865518 - +39 091 23865548 counsellingpsicologico.cot@unipa.it

TOWARDS UNIPA
Workshop: "How to Face Admission Tests"*
Workshop: "How to Study at UniPa, From High School to University"*
Preparation Courses*
Admission Test Simulation*
*booking required

Monday/Wednesday/Friday 9 am to 1 pm
www.unipa.it/strutture/orientamento/preparazione-alle-prove-daccesso/
+39 091 23865502
+39 091 23865503
eventietest.cot@unipa.it

UNIPA ORIENTATION EVENTS
www.unipa.it/strutture/orientamento/eventi/
+39 091 23865502
+39 091 23865503
eventietest.cot@unipa.it

INTERNATIONAL STUDENT GUIDANCE AND WELCOME DESK*
*booking required

Monday/Wednesday/Friday 9 am to 1 pm, Tuesday 3-5 pm
www.unipa.it/strutture/orientamento/studenti-stranieri/
+39 091 23865505 studentistranieri.cot@unipa.it

STUDY METHODOLOGY AND TUTORING**
*booking required

Monday/Wednesday/Friday 9 am to 1 pm
www.unipa.it/strutture/orientamento/metodologia-e-tutorato/
+39 091 23865515 tutorato.cot@unipa.it

AGRIGENTO TERRITORIAL UNIVERSITY CAMPUS

Via Ugo La Malfa – Villa Genuardi - Agrigento +39 091 23897801
Via Quartararo, 6 - Agrigento +39 091 23897800
polodidattico.ag@unipa.it
https://www.unipa.it/poloagrigento

CALTANISSETTA TERRITORIAL UNIVERSITY CAMPUS

Corso Vittorio Emanuele, 92 - Caltanissetta +39 091 23865805
Via Real Maestranza sn – Caltanissetta +39 091 23865803
Via Re D'Italia 74 - Caltanissetta +39 091 23865804
polodidattico.cl@unipa.it
https://www.unipa.it/polocaltanissetta

TRAPANI TERRITORIAL UNIVERSITY CAMPUS

Lungomare Dante Alighieri, 2/4 - Erice
+39 09123864401
polouniversitario.tp@unipa.it
https://www.unipa.it/polotrapani

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PLACEMENT FOR COMPANIES AND CAREER SERVICE FOR STUDENTS AND GRADUATES

www.unipa.it/placement placement@unipa.it

What career assistance is available to me?

MISSION

Reducing the transition times between graduation and entering the workforce for university students/graduates by providing personalized services and supporting companies in the search and selection of highly qualified personnel to be included in their staff.

ALMALAUREA: THE UNIVERSITY JOB BANK

A free web portal to connect job seekers and employers, where graduates can fill out and update their resumes, view job/internship offers, and submit their applications. Companies can post job and internship announcements, search for and view the resumes of target graduates, and they can get in direct contact with them.

CAREER COUNSELLING

Individual meetings to build a career development plan that aligns with one's education, skills, abilities, and interests, as well as with the evolution of the job market and professions.

CAREER GUIDANCE SEMINARS AND DEPARTMENT PLACEMENT DAYS

Open days for university students and graduates to learn about Placement services (activities, initiatives, access methods, the Almalaurea-UniPa job bank) and to consider the most effective actions for entering the job market and the ways personnel selection processes are carried out.

WORKSHOP ON PERSONNEL SELECTION

Practical workshops with simulations and exercises on entering the workforce (where and how to look for job opportunities, how to write an effective resume) and the empowerment of soft skills (effective communication, how to handle one-on-one and group job interviews).

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RECRUITING DAY AND CAREER DAY WITH COMPANIES

Events where students and graduates have the opportunity to connect with managers and human resources managers from participating companies, attend company presentations, submit their resumes, and participate in one-on-one interviews.

EXTRA-CURRICULAR INTERNSHIPS

Promotion, activation, and management of extracurricular internships for those who have graduated from the University of Palermo within the last 12 months. These internships can take place in Italian or foreign companies, public bodies, professional firms, associations, foundations, and so on.
www.stage.unipa.it
stagextra@unipa.it

HIGH-LEVEL APPRENTICESHIP AND RESEARCH

Promotion and support for the activation of High-Level Apprenticeship and Research programs (permanent employment contracts) aimed at both university training or the development of a research project and youth employment. This allows companies to invest in resources to be developed and trained according to their needs and business growth, while benefiting from tax breaks and incentives.

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THE DIGITAL UNIVERSITY

COMPUTERISED TESTS
entrance tests for local fixed place graduate courses

PAGOPA AND SPID SYSTEMS
introduced by the Italian digital agency (AGID) these allow students to enrol from an internet terminal

UNIPA-ISEE ENROLMENT/ REGISTRATION
to enrol at UniPa and pay the correct university fees, it is IMPORTANT that students have a valid ISEE (equivalent economic status indicator) form to upload onto the portal at the time of enrolment

WI-FI COVER
the university's own system, in constant improvement with investments to optimise services

DIGITAL LIBRARY
a vast collection of electronic resources

THE NEW MYUNIPA APP
an app which acts as a digital tutor, guiding students through the various phases of their university career

DIGITAL REGISTRATION
of the final exam with automatic qualification issue

COMPUTERISED TESTS
Entrance tests for local fixed place graduate courses

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DIGITAL REGISTRATION
of the final exam with automatic qualification issue

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ECONOMIC BENEFITS

https://www.unipa.it/target/futuristudenti/tasse-agevolazioni/borse-di-studio-esoneri-agevolazioni/index.html

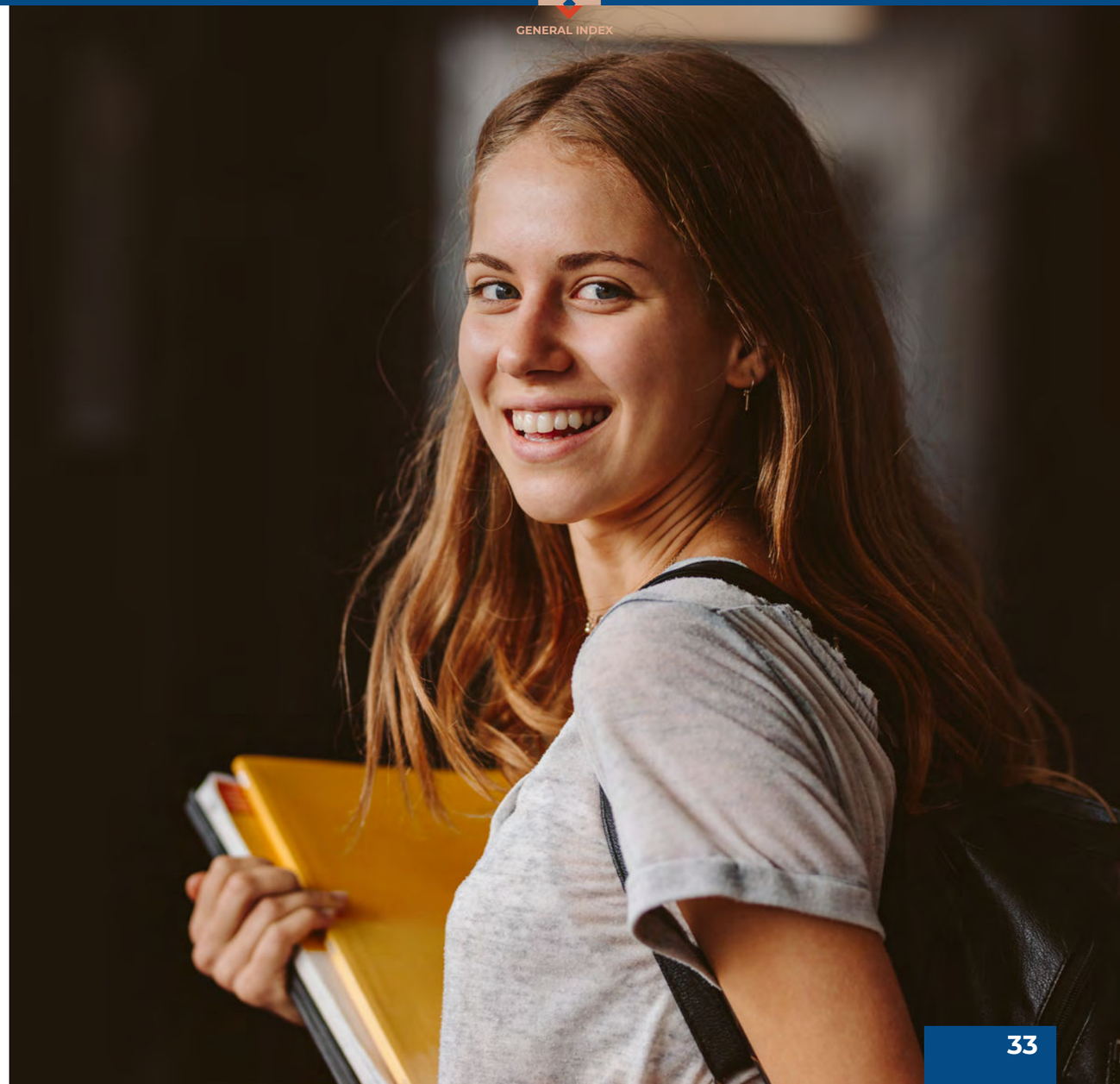
https://www.unipa.it/target/futuristudenti/tasse-agevolazioni/tasse-contributi/

https://www.ersupalermo.it/

The University of Palermo offers the possibility of a reduction or exemption of tuition fees, as outlined in the Regulations on Student Contributions. Additionally, it provides various financial benefits, scholarships, and contributions for international mobility.
Further benefits and services are available from the ERSU Regional Body for the Right to University Education (www.ersupalermo.it):

- scholarships and extraordinary subsidies (monetary contributions);
- residential services (beds in university residences for students from out of town);
- catering services (meals at university canteens);
- cultural services (free subscriptions/ tickets for theater and music shows, use of institutional rooms, theater workshops, dance classes, photography courses, photography competitions, library services, video library, music listening rooms, study rooms, services dedicated to the protection and promotion of physical and psychological well-being, and a career guidance desk).

GENERAL INDEX



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SERVICES FOR STUDENTS WITH DISABILITIES AND NEURODIVERSITY

https://www.unipa.it/strutture/cendis/ cendis@unipa.it

The University of Palermo guarantees services to students with disabilities and neurodiversity who are enrolled in first, second, or third-cycle university programs. These services are outlined in the "Charter of services for students with disabilities and neurodiversity" (https://www.unipa.it/strutture/cendis/.content/documenti/decreto-carta-dei-servizi.pdf) and aim to ensure the full exercise of the right to study from university access through to their entry into the workforce.

The University Center for Disability and Neurodiversity (Ce.N.Dis.) is the university's body that serves students with temporary or permanent disabilities and/or neurodiversity. It provides technical and/or educational aids and specialized services, which are identified based on specific needs. To ensure equal opportunities for all students and promote the highest possible degree of participation and autonomy, the Ce.N.Dis. provides support from the moment a student enters the university and throughout their studies, offering the following services:

Services Offered by Ce.N.Dis.

- individualized Treatment: Students with disabilities and neurodiversity can request adaptations for admission tests, and mediation with faculty to resolve critical issues, agree on exam and lecture adaptations, and adapt language tests.
- tutoring: Ce.N.Dis. offers students with disabilities and neurodiversity the opportunity to request a peer tutor, learning tutor, or teaching tutor.
- transport Service: Transport is guaranteed for students with disabilities who are enrolled in courses at the University of Palermo and reside in Palermo and its province.
- support for International Exchanges: Ce.N.Dis. can support students going on an international exchange by facilitating preliminary contact with foreign universities to understand the services and adaptations available for exams and lectures, thereby helping them make a better choice. Incoming students can also contact Ce.N.Dis. to specify their needs and evaluate possible exam adaptations and available services.
- educational Materials and Technological Supports: Students can request educational materials, aids, and technological supports from Ce.N.Dis. to better attend lectures, take exams, and ensure productive individual study. For example, they can use concept maps, digital texts, educational materials in accessible formats, digital recorders, PCs with spell checkers, voice synthesis software, dedicated educational software, and other suitable supports.
- LIS Interpreting and Communication Assistance Service: Students can use an LIS (Italian Sign Language) interpreter to follow lectures, conferences, and cultural events. A Communication Assistant is also available to act as a linguistic-communicative mediator, offering support with lesson content through both LIS and integrated communication methods. This service can also be requested to facilitate peer interaction and group work in classes that use active and participatory methods or in workshops.

GENERAL INDEX

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INTERNATIONAL STUDENT MOBILITY

https://www.unipa.it/mobilita/relazioni-internazionali-00001/

https://www.forthem-alliance.eu/

Unipa offers students the chance to study abroad, both within and outside the European space, through the following programs:

- Erasmus+ for study and internships, including within the FORTHEM alliance
- Double Degree
- Integrated Study Path
- Visiting

Erasmus+ for study

This program allows you to spend part of your university course - from two to twelve months - in a European or non-European country. With "Erasmus+ student status," you can attend classes, take exams, complete an internship, prepare your thesis, and have the activities you've completed officially recognized.

Erasmus+ for Traineeship

The program enables students and recent graduates to complete training internships, lasting from two to twelve months, at companies, training centers, and research centers in one of the countries participating in the program.

Double Degree

The program involves obtaining two Degrees, one from your home university and one from a partner university abroad. Selected students will complete part of their studies at the partner university based on a common study plan. At the end of the program, they will receive two Degrees or a single Joint Degree.

Integrated Study Path

This program, established between the University of Palermo and one or more foreign universities, allows students to complete part of their academic career at their home university and part at the partner universities involved. It is open to all enrolled students for both EU and non-EU destinations and requires a minimum mobility period of 3 months and a minimum of 15 credits CFU/ECTS.

Visiting

This program promotes voluntary participation in international mobility, even outside of specific conventional agreements. After being accepted for a study period at a foreign partner institution, the student must contact a professor within their degree program. This professor will act as a tutor for the study abroad period and help the student agree on and complete a specific Learning Agreement. This document will specify the courses to be taken abroad, their corresponding Italian course equivalents for validation, and the respective credits CFU/ECTS.

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LIBRARY SYSTEM

www.unipa.it/biblioteche

The University of Palermo includes, among its Special Services, the University Library System and Historical Archive (SBA), which consists of 18 libraries with 35 service points, the Historical Archive, and coordination offices. The university libraries offer access to study areas, rich bibliographic collections, both in print and digital, and various services.

From the library portal, www.unipa.it/biblioteche, it is possible to:

- find out the opening hours, contact details, and locations of the university libraries;
- access the collections, use bibliographic search tools to find out if a work is available for consultation and loan, use the services offered both on-site and online, and learn about the procedures for accessing and using the services.

Through the "Biblioteca in tasca" (Library in your pocket) app (www.unipa.it/biblioteche/scopri-i-servizi/APP-Biblioteca-in-Tasca), accessible from the MyUniPa app, it is possible to:

- locate libraries;
- check the real-time availability of seats in reading rooms and book your spot online;
- find out about opening hours, events, and news;

conduct bibliographic searches on catalogs and search tools (www.unipa.it/biblioteche/collezioni/cataloghi-strumenti) and on the digital loan platform for e-books, newspapers, and periodicals MLOL (https://unipa.medialibrary.it/home/index.aspx);

- book and renew loans online;
- access digital services and collections;
- request information from librarians via phone, email, and chat.

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STUDYING LANGUAGES AT UNIPA

https://www.unipa.it/strutture/cla/

www.unipa.it/strutture/scuolaitalianastranieri/

The University Language Center (CLA)

- free online and in-person language courses (English, French, Spanish, Arabic, Russian, German, Chinese)
- learning with native-speaking Language Experts
- Language Proficiency Test (TAL) to obtain the eligibility required by the degree program
- validation of Language Certificates
- e-learning
- language Open Badge (a digital micro-credential also useful for Erasmus mobility)
- Open Badge Schools for early acquisition of language eligibility
- preparation for the IELTS exam in agreement with the British Council.

School of Italian Language for Foreigners/ITASTRA

- Educational, training, consulting, and research activities in the field of teaching Italian as a second and foreign language.

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UNIVERSITY SPORTS CENTRE/CUS

www.cuspalermo.it

The University Sports Center (CUS) Palermo is the beating heart of active and dynamic life on our university campus. In close collaboration with the University Sports Committee, CUS promotes sports as a means of well-being, inclusion, and social interaction within the academic community.
Here, students, faculty, and staff of the University of Palermo and external members find a welcoming and stimulating environment where they can engage in sports, stay fit, and enjoy moments of leisure and connection.
The modern, well-equipped facilities support an ample range of activities: soccer, volleyball, basketball, fitness, music and group classes, taekwondo, handball, athletics, tennis, swimming, aqua gym, rowing, and much more. The center's highlight is its large, heated swimming pool, which users highly appreciate.
CUS regularly organizes university tournaments and sporting events to promote a healthy lifestyle and a strong sense of community within the university.
Services are offered to students at discounted rates compared to those for external members, and free quarterly vouchers have been introduced to encourage further participation in sports activities.

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HEALTH

University Medical Centre (AMU)

www.unipa.it/strutture/amu

The University Medical Centre (AMU) was created through an initiative of the University of Palermo in partnership with the "Paolo Giaccone" University Hospital. It offers a free multidisciplinary outpatient medical service to the university's students, doctoral candidates, specialty trainees, research fellows, and scholarship holders.
It provides a free multi-specialty clinic with specialized services (medical and psychological). The AMU does not provide emergency room services.
The AMU also has an Anti-Violence Desk for equal opportunities.

STUDY PROGRAMMES 2025/2026

GENERAL INDEX

PHYSICS AND CHEMISTRY

Emilio Segrè

www.unipa.it/dipartimenti/difc

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

LMR/02	Cultural Heritage Conservation And Restoration	PA
L-30 R	Optics and Optometry	PA
L-30 R	Physical Sciences	PA

MASTER DEGREE

LM-54 R	Chemistry	PA
LM-17 R	Physics	PA

CULTURAL HERITAGE CONSERVATION AND RESTORATION

(QUALIFYING PURSUANT TO LEGISLATIVE DECREE NO. 42/2004)

CLASS LMR/02
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree Single Cycle in Cultural Heritage Conservation and Restoration is a Master Degree Single Cycle requiring a total of 300 ECTS. LMR/02 Master Degree graduates are capable of autonomous operational decision-making, identifying the state of conservation of historical and artistic artefacts and, on the basis of an interdisciplinary approach and modern restoration canons, implement maintenance, prevention and restoration work ensuring conservation over time and contextualising the artistic and cultural value of works of art.
This course of study is a joint project renewed on 21 July 2020 – with the Cultural Heritage and Sicilian Identity department via the Centro Regionale per la Progettazione e il Restauro.

What do you learn?

Master's Degree Single Cycle graduates possess the knowledge and skills to distinguish between traditional and innovative methodologies on the basis of historic-artistic and scientific studies and interact with the various professionals working in the field of cultural heritage conservation and restoration.
This course of studies teaching staff come from six different departments: STEBICEF, Di-FC, DiSTEM, Engineering, Architecture, Culture And Society.
Its practical work falls into four professional training course categories:

- PFP1
  - Stone material derivatives;
  - Decorated architecture surfaces;
- PFP2
  - Artefacts painted onto wooden and textile supports;
  - Wooden furniture and statues, artefacts in worked, assembled and/or painted synthetic materials;
- PFP3
  - Textile and leather materials and artefacts;
- PFP5
  - Book and archive materials, paper artefacts, photographic, film and digital materials.

What can you do with it?

The Master's Degree is qualifying for the profession of Cultural Heritage Restorer pursuant to legislative decree no. 42/2004.
Potential career openings are:

- Restoration workshops and firms;
- Cultural Heritage Department institutions working in conservation and protection (archives, libraries, museums and superintendencies);
- Public and private research institutions and bodies working in the cultural heritage conservation and restoration fields;
- Professional sector firms and organisations. Unipa Master Degree students were hired on permanent contracts as qualified restorers at Cultural Heritage Department institutions across Italy.

OPTICS AND OPTOMETRY

(EXPERIMENTAL PROFESSIONAL ORIENTATION)

CLASS L-30 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Spain

What is the objective of the course? What is it?

The Bachelor's Degree of study in Optics and Optometry is a three-year degree programme, for a total of 180 ECTS.
This professionally oriented course of study in Optics and Optometry is a highly professional training course for opticians and optometrists.
It is aimed both at young people wanting to enter the optometrist profession and professionals already working in the field and to study the knowledge on which their professionalism is based in greater depth and then access higher university education.
Today, the field of optics and optometry is full of technological challenges in both industrial applications, as well as in the improvement of eyesight and, therefore, of human health.
For this reason, this course of study also intends to train highly qualified professionals suitable for employment in industry and research thanks to skills acquired in interdisciplinary application areas such as lenses for use in astrophysics, the use of instrumentation involving microscopy and molecular spectroscopy in biophysics and biomedicine and knowledge of modern biomaterials for optics and innovative 3D printing techniques.

What do you learn?

This Bachelor's Degree of professionally-oriented studies in Optics and Optometry provides a single path whose educational activities are divided into lectures, exercises and laboratories, theoretical and practical training and internships.
Year I: students acquire adequate basic knowledge of physics, chemistry, mathematics and computer science, as well as aspects more closely related to optician training, knowledge of geometric optics and anatomy.
Year II: students study advanced basic physics including Modern Physics and, as regards aspects more closely related to optician training, acquire biochemistry, physiology, ocular pathology and hygiene knowledge.
Year III: students acquire skills related to the study of the structure of matter, materials and biomaterials for optics, optical instrumentation for astronomy and molecular biophysics.
The three years of the course include 50 ECTS of Curricular Theoretical-Practical Internships in Ophthalmic Lenses, Optometry and Contactology. These internships are held in companies in agreement with the university, by sector professionals who transfer: theoretical and practical knowledge in specific technical subjects in optics and optometry fields together with operational and laboratory skills with particular regard to the use of the most modern instrumentation and new materials used in optics, optometry and contactology.

What can you do with it?

The graduate in Optics and Optometry is well-prepared for professional roles in industrial, commercial, and academic settings in the fields of optics and optometry.
The graduate assesses visual impairments using optometric techniques, dispenses, repairs, and sells, under medical prescription, glasses and lenses to correct or protect against vision issues caused by refraction.
They conduct lens property characterization and develop new optical materials, manage complex optical and optometric equipment available on the market, and provide specialized technical/scientific support in scientific research and the optical industry.
In the industrial sector, their expertise can be utilized by optical industries involved in technical instruments for optics and vision applications.
In the commercial sector, their skills cover product development assistance, post-sales support, applications development for optical products, and quality control in production processes.
In the professional sector, competencies extend to roles as entrepreneurs, independent professionals, or technicians in companies manufacturing ophthalmic and contact lenses.
In the public sector, their expertise applies to roles as technical professionals/technologists in research institutions, universities, for example, as quality control and process managers for optical instrumentation.

PHYSICAL SCIENCES

CLASS L-30 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Germany
Greece
Poland
Romania
Spain

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The Bachelor's Degree in Science in Physical Sciences has a three-year duration for a total of 180 CFU and aims to provide the student with a solid basic training in classical and modern physics.
The training acquired enables the graduate to enter jobs that require familiarity with the scientific method and the ability to use innovative methodologies and complex equipment.
At the end of his training, the student in Physical Sciences will have acquired:

- Basic knowledge common to the various branches of physics (classical and modern);
- An experimental scientific method, aptitude for observation and quantitative analysis of physical phenomena;
- The ability to use mathematical and computer tools;
- Technological and laboratory skills;
- The ability to work in a team but also autonomously;
- The ability to adapt quickly to new working environments;
- The methodological tools and basic knowledge necessary to be able to pursue further education (second-level degree, Master's degree).

The course of study prepares for the profession of Physicist, Astronomer and Astrophysicist, Researcher and Graduate Technician in the Physical Sciences.

What do you learn?

The training activities (lectures, tutorials and laboratory activities) provide students with basic knowledge of classical and relativistic mechanics, thermodynamics, electromagnetism, quantum mechanics and the structure of matter, as well as nuclear physics, particle physics and astronomy.
The student acquires operational and laboratory skills, learns to apply mathematical tools to physics, and acquires computer and programming skills.
The subjects taught are: in the first year, Geometry and Algebra, Mathematical Analysis I, Programming Methods for Physics, Chemistry, Physics I, Physics Laboratory I, English language level B1; in the second year, Mathematical Analysis II, Physics II, Physics Laboratory II, Analytical and Relativistic Mechanics, Numerical Methods for Physics; in the third year, Quantum Mechanics, Nuclear and Particle Physics, Statistical Mechanics, Structure of Matter, Astronomy, Institutions of Mathematical Methods for Physics, Modern Physics Laboratory.
Choice subjects are Complements of Classical Physics, History of Physics, Introduction to Complexity, Machine Learning for Physics.
A Path of Excellence (24 CFU) is also offered to selected students (max 6) with access to a higher level of training that includes new or supplementary, or more advanced topics and methodologies, through lectures, seminars, internships, and an in-depth project.

What can you do with it?

Almost all graduates in Physical Sciences (class L-30 R) continue their studies by enrolling in a Master's Degree Course.
Enrolment in a Master's degree course in Physics (class LM-17 R) does not entail any educational debts for graduates in Physical Sciences.
Three-year graduates in Physical Sciences can attend Level I Masters courses and/or can enter the world of work in public/private organisations and companies, research laboratories, banks, health care companies, etc.

The main employment outlets for a graduate in Physical Sciences are therefore: Universities and public and private research organisations and centres; National and Regional Agencies for the protection of Cultural Heritage and the Environment and the study and prevention of risks; Laboratories for study and design in public and private companies; Laboratories for quality certification of industrial production; Data processing and modelling centres; High-tech companies; Banking and financial advisory institutions; Measurement laboratories in industry and research; Services related to medical and health physics; Services related to environmental safety; Companies and industries in the field of microelectronics, computer science, optoelectronics.
A degree in the L-30 R class is a qualification for admission to the qualifying examinations for registration in both the Register of Chemists and Physicists and the List of Qualified Experts.

CHEMISTRY

CLASS LM-54 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Greece
Spain

What is the objective of the course? What is it?

The Master's Degree in Chemistry is a two-year programme accessible to students possessing a Bachelor Degree in Chemistry or any other degree provided that 60 credits have been acquired in the following fi elds: Maths and Physics (12), General and Inorganic Chemistry (12), Organic Chemistry (12), Physical Chemistry (12) and Analytical Chemistry (12).
The types of knowledge and skills that the student will acquire through the Chemistry Master Degree programme include thorough knowledge of research-related topics in the main four chemical disciplines (Inorganic, Physical/Theoretical, Organic, and Analytical Chemistry) and a good level of independence to work as a researcher in an academic or industrial laboratory.
The Master Degree in Chemistry includes 190 hours of laboratory experience, 75 hours of professional traineeship and 850 hours of experimental thesis development in a research lab.
At the end of the programme the Chemistry Master Degree graduate can access the state exam to become a senior professional chemist and register with the Professional Order of Chemists, access PhD programmes in scientifi c or technological fi elds or be employed by the public or private sector entities in areas where chemical competence is needed.

What do you learn?

Master's Degree in Chemistry students will learn about the most advanced concepts and techniques required to study and resolve complex problems in the various fi elds of chemistry.
Apart from mandatory courses such as Theoretical Chemistry, Supramolecular Chemistry, Spectroscopy, and Advanced Inorganic and Analytical Chemistry, the program can be arranged with fl exible personalized curricula studiorum where the student can choose from optional courses including Green Chemistry, Materials Chemistry, Environmental Chemistry, Forensic Chemistry and Chemistry Teaching Methodologies.
Additionally, through practice sessions in research laboratories, Master Degree in Chemistry students will benefi t from an extensive training-by-doing program during which they will solve problems of real research.

What can you do with it?

Master's Degree graduates in Chemistry can find employment as: Chemical researcher in the industrial field; Self-employed professional chemist; Senior Chemical Staff in public or private laboratories; Academic researchers (requires PhD); Research manager in industrial R&D facilities; Junior-high and High-school teacher of scientific courses.

PHYSICS

CLASS LM-17 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Finland
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
China
Finland
Germany
Kenya
Poland
Romania
Spain

What is the objective of the course? What is it?

The Course has the dual objective of completing and deepening the basic preparation in Physics and preparing Master's graduates for their entry into the world of work and research.
The Master's Degree Course in Physics in particular aims to provide students with the knowledge and ability to enter the world of research, knowledge that can later be further developed in PhD courses; the ability to promote and develop scientific and technological innovation, to manage technologies in areas related to physics disciplines in industry, the environment, health, cultural heritage and public administration.

What do you learn?

The Master's Degree Course in Physics is structured in compulsory courses, which aim to complete the basic physics preparation, and optional courses aimed at providing the Master's graduates with specific competences in one of the following fields of physics: astrophysics, biophysics, physics of materials, physics of complex systems, theoretical physics, particle physics.
The courses take place in the two semesters of the first year and in the first semester of the second year, as in the second semester of the second year the student prepares the Master's thesis, in which he/she deals with original research problems in one of the research groups of the Department of Physics and Chemistry or also at universities or research institutions abroad.

What can you do with it?

The main fields of employment for master's degree graduates in physics are: scientific research at universities and research institutions; the development and management of instrumentation and laboratories in various areas of industry (microelectronics, optoelectronics, telecommunications, IT, space, biomedical, optics), the environment, health, cultural heritage and public administration; the realisation and use of models of complex realities in the financial and socio-economic fields; the teaching and dissemination of scientific culture with particular reference to the various aspects, theoretical, experimental and applied, of classical and modern physics.

MATHEMATICS AND INFORMATICS

www.unipa.it/dipartimenti/matematicaeinformatica

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-31 R	Artificial Intelligence	PA
L-31 R	Computer Science	PA
L-35 R	Mathematics	PA

MASTER DEGREE

LM-18	Computer Science and Artificial Intelligence	PA
LM-40 R	Mathematics	PA

ARTIFICIAL INTELLIGENCE

CLASS L-31 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Croatia
Czech Republic
France
Germany
Hungary
Lithuania
Spain

What is the objective of the course? What is it?

Artificial Intelligence (AI) is an expanding scientific discipline of great relevance and impact for digital transformation, aiming to study how human intelligence can be imitated by digital systems in one or multiple aspects.
The technological applications of AI are increasingly numerous, necessitating AI experts at all levels of complexity.
This demand makes it essential to propose, starting from the Bachelor's degree level, an educational offering oriented towards this discipline.
The AI degree course aims to train professionals with specific methodological and technological skills, capable of understanding and exploiting various aspects of AI and applying this knowledge in different application contexts.
AI students will learn to conceive, analyze, and design AI software systems, acquiring solid logical-mathematical foundations and in-depth knowledge of models, tools, and computer technologies.
Particular attention is given to data analysis and management, even when dealing with large volumes.
In addition, interdisciplinary skills related to legal, ethical, environmental, and psychological implications of AI are provided.
Graduates students in AI will enter the world of work with significant technical skills, such as the ability to work in teams, high critical autonomy, and specific conceptual and technological competencies in AI.

What do you learn?

During the three years, students will acquire knowledge on fundamental topics for artificial intelligence in the areas of mathematics, computer science, and cognitive sciences.
The program provides a basic education on logical-mathematical and probabilistic tools, as well as fundamental aspects of computer science, to address more specific AI topics with scientific and methodological rigor.
Legal and ethical knowledge is also provided for a more conscious use of the acquired skills and abilities. Internship activities in public or private companies are planned, to experiment with the use of AI in a working environment.

- FIRST YEAR Programming and Laboratory Linear Algebra Computational Logic Psychology and Cognitive Ergonomics Algorithms for Artificial Intelligence Mathematical Analysis I Fundamentals of Data Science English;
- SECOND YEAR Mathematical Analysis II Databases Principles of Artificial Intelligence Probability Fundamentals of Mechanics and Thermodynamics Machine Learning Computational Models Ethical and Legal Aspects of Artificial Intelligence;
- THIRD YEAR Natural Language Processing Software Engineering for Artificial Intelligence Applications of Artificial Intelligence Artificial Vision.

Elective Courses

- Machine Learning for Bioinformatics;
- Artificial Intelligence for Medicine;
- Autonomous Agents;
- Sustainability and Environmental Innovation;
- Eco-design of Systems and Processes;
- Statistics and Demography for Migration;
- Business Organization.

What can you do with it?

The Bachelor's Degree Course prepares students for the professions of "Programming Technicians" and "Application Experts".
More specifically, the program trains professionals to become "Experts in Artificial Intelligence applied to data analysis" and "Experts in Artificial Intelligence applied to interaction." Meetings with industry professionals are organized as opportunities to guide students in their future career choices and provide them with additional technical and professional tools.
Graduates will be capable of designing and implementing innovative solutions based on AI techniques and models in both the public and private sectors.
Graduates in Artificial Intelligence can enroll in all Master's degree programs in the LM-18 class without the burden of additional educational requirements.
Specifically, the Department of Mathematics and Computer Science offers an international Master's degree program in "Computer Science and Artificial Intelligence." This program caters to the growing demand for professionals and specialists with advanced scientific and technological skills, with the aim of contributing to the advancement of computer science in both fundamental and various applied aspects.
Notably, the Master's degree in "Computer Science and Artificial Intelligence" offers a curriculum that can be tailored to three specializations:

- Artificial Intelligence;
- Cybersecurity;
- Methodologies.

COMPUTER SCIENCE

CLASS L-31 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
China
Croatia
Czech Republic
France
Germany
Hungary
Lithuania
Poland
Spain

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The objective of the Bachelor's Degree in Computer Science (CS) is to provide students with the knowledge and skills necessary to design, and develop (new) computer systems and applications.
The course provides a solid scientific and methodological foundation, enabling students to critically and flexibly approach the resolution of complex problems through innovative strategies in the field of information technologies.
Both the more theoretical aspects of computer science and those more closely related to the application of the most current technologies are covered, providing students with important technical skills that will characterize their future cultural baggage.
Students will be able to design effective and efficient algorithms, implement them through various programming languages and paradigms, and understand the various implications of digital transformation.
They will gain the ability to work in teams and integrate into work environments, design complex and articulated software systems according to appropriate quality standards, and in compliance with security and data and application protection.
They will develop skills in the field of Information and Communication Technologies (ICT) for the development, management, and testing of computer systems.
It is expected that the new graduate in Computer Science will enter the world of work with high autonomy and critical skills, which will enable them to subsequently learn new concepts and tools during the time.

What do you learn?

The first year of the course is oriented towards building the scientific and methodological foundations that will allow students to approach the characteristic topics of computer science with a scientific, critical, and creative spirit.

GENERAL INDEX
DEPARTMENT INDEX

In addition to Mathematics and Physics teachings, students will learn the fundamentals of Programming, the logical organization of the various internal components of a computer, and how they are optimally programmed by users.
From the second year, the study plan also includes professional courses, aimed at specializing students' skills in the Computer Science field.
Mathematics teachings will cover students until the third year of the course.

- First year: Calculus I Discrete Mathematics Programming and Laboratory (I and II) Physics Geometry Computer Architectures English;
- Second year: Calculus II Databases Operating Systems Algorithms and Data Structures Theoretical Computer Science Programming Languages Probability Calculus;
- Third year: Numerical Analysis Computer Networks Software Engineering and Security Artificial Vision;

Optional courses:

- Foundations of Data Science
- Machine Learning
- Web Programming and Front End Elements
- Principles of Artificial Intelligence;

Recommended courses:

- Environmental Sustainability and Innovation
- Ecodesign of Systems and Processes
- Ethical and Legal Aspects of Artificial Intelligence
- Business Organization.

What can you do with it?

Given the increasing demand from society for computer science professionals experts, a graduate in computer science has no difficulty receiving job offer.
In detail, a graduate in Computer Science can access the following professions: Programmer Technician Applications Expert Technician Web Technician Database Manager Technician Network Systems Manager Technician Software Analyst and Designer System Analyst Junior Information Engineer (subject to passing the State Exam) Furthermore, a graduate in Computer Science can access all Master's degree courses in the LM-18 class without any additional educational debt.
Specifically, the Department of Mathematics and Computer Science offers an international Master's degree course in "Computer Science and Artificial Intelligence", which meets the growing demand for professional figures and specialists with high scientific and technological skills, to contribute to the progress of computer science both in basic aspects and in various application areas.
In particular, the Master's Degree in "Computer Science and Artificial Intelligence" offers a study plan that can be tailored to three orientations:

- Artificial Intelligence;
- Cybersecurity and Cloud Computing;
- Methodologies.

MATHEMATICS

CLASS L-35 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
Hungary
Latvia
Poland
Portugal
Spain

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

Mathematics is recognized as a discipline characterized by a rigorous theoretical-formal structure as well as by significant applications useful for solving concrete problems in various fields.
The bachelor degree in Mathematics is a three-year program and it aims to train graduates with both a high level of theoretical and practical preparation.
At the end of the enrollment process, students are required to take a test, which is not selective in nature.
If they fail the test, they are assigned Additional Formative Obligations (OFAs).
The predominantly compulsory coursework includes exams in all areas of mathematics, as well as two exams in basic physics.
It also provides an English language exam, an internship at institutions or companies, and a final exam consisting of the discussion of an essay.
At the end of the program, the graduates will be able to provide rigorous and original proofs of mathematical results; formalize problems of moderate complexity and take advantage of such formulations to clarify or solve practical questions. They also possess knowledge useful for reflecting critically on mathematics and science, their methods, their development, and their relationship to the humanities and society.

What do you learn?

While attending the Bachelor's Degree in Mathematics, students delve into various disciplines in the following areas: basic mathematics, applied mathematics, didactics and history of mathematics, computer science and basic physics.
The study of English language and the completion of an internship in institutions and companies is also planned.
The curriculum is structured as follows:

- First year: Algebra 1 (9 CFU) - Mathematical Analysis 1 (12 CFU) - Physics 1 (9 CFU) - Geometry 1 (12 CFU) - Programming with Laboratory (9 CFU) - English language skills (6 CFU);
- Second year: Algebra 2 (6 CFU) - Mathematical Analysis 2 (12 CFU) - Numerical Analysis (6 CFU) - Geometry 2 (9 CFU) - Subsidiary Mathematics (6 CFU) - Dynamical Systems with Laboratory (12 CFU) - Other educational activities (12 CFU);
- Third year: Algebra 3 (6 CFU) - Mathematical Analysis 3 (6 CFU) - Calculus of Probability (6 CFU) - Physics 2 (9 CFU) - Geometry 3 (6 CFU) - Theoretical Mechanics (6 CFU) - 2 Optional Courses (12 CFU) - Other activities useful for job placement (6 CFU) - Final examination (3 CFU);
- Optional courses (6 CFU) - Theoretical Computer Science - Financial Mathematics - Elementary Mathematics from an Advanced Standpoint - Educational Methodologies and Techniques for Computer Science - Operations Research - Statistics.

What can you do with it?

Although many graduates continue their studies with the Master's Degree in Mathematics, because of the skills they have acquired they can enter a variety of employment fields including modeling-mathematical and computational support, industry, finance, services, scientific research, teaching and public administration.
Specifically, they find, for example, employment at:

- Computer companies - Banks - Financial sector - Industries - Services and public administration - Educational institutions - Research centers.

COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

CLASS LM-18
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Croatia
Czech Republic
France
Germany
Hungary
Lithuania
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree Program in Computer Science and Artificial Intelligence is the preferred choice for students graduating from undergraduate programs in Computer Science and Artificial Intelligence, although it also welcomes students from other courses.
Delivered entirely in English, it facilitates entry into the workforce for professions increasingly geared towards interaction with international teams and provides skills that reflect current market demands.

Through a suitable combination of the offered teachings with recommended elective subjects, students will have the opportunity to specialize their course of study in one of three main areas:

- Cybersecurity (CB), with skills in cryptography, data security, applications, and systems, which are now widely required for the profession of Computer Scientist;
- Artificial Intelligence (AI), to become professionals with niche skills in a reality increasingly oriented towards the application of Artificial Intelligence in various contexts;
- Methodologies (MT), for those who intend to specialize in the field of research and teaching.

Compared to the previous degree level, through the proposed educational path, students will acquire a much higher "problem-solving" ability, as well as a much deeper understanding of the scientific, methodological, and applicative contents at the base of Computer Science and Artificial Intelligence.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

Students will acquire in-depth knowledge in the field of Cloud Computing and the management of large amounts of data; they will deepen the methodological skills already acquired from the previous course through the study of compilers, probabilistic algorithms, combinatorics, data compression, knowledge representation, and reasoning;theywilldeveloperydeeptechnological skills on the most current frameworks in the field of Big Data, Artificial Intelligence, and Cybersecurity.

- FIRST YEAR Combinatorial and Probabilistic Algorithms (MT, AI) Big data management (AI) Languages and compilers design (MT) Pattern discovery for life sciences (MT, AI) Knowledge representation and reasoning (AI) Data encryption and codes (CB) Information theory and data compression (MT) Language option Elective Subjects;
- SECOND YEAR Optional teachings* Cloud and high-performance computing Cybersecurity (CB) Deep learning (AI) *OPTIONAL TEACHINGS Information retrieval and natural language processing (AI) Open data management Nature Inspired Algorithms for Optimization (AI);
- RECOMMENDED ELECTIVE SUBJECTS IoT and cloud security (CB) Methodologies and Teaching Techniques for Computer Science (MT) Wireless Networks (CB) Foundations of Circular Economy (MT) Stochastic Processes and Stochastic Networks C.I. (AI).

What can you do with it?

At the end of the training course, graduates in Computer Science and Artificial Intelligence will be able to obtain the open badge in Data Science issued by the University of Palermo, which certifies that they have acquired the skills and competencies to fill the role of Data Scientist.
They can be hired as analysts and software designers in companies producing goods and services, in public or private organizations, with profiles for which the specific skills acquired (e.g., Cybersecurity, Artificial Intelligence, etc.) are of particular importance.
They can find employment as researchers and graduate technicians in mathematical and information sciences in private and public research centers, as well as in institutions dealing with education and universities.

MATHEMATICS

CLASS LM-40 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
Germany
Hungary
Latvia
Poland
Portugal
South Africa
Spain

What is the objective of the course? What is it?

The Master's Degree in Mathematics is the natural continuation of the Bachelor degree in Mathematics.
The aim of the program is to train graduates who possess in-depth theoretical, methodological and applied knowledge in the fundamental areas of mathematics and have communication skills even with non-experts.
The program includes various optional examinations that can indulge the cultural interests of the individual student.
In particular, the student can choose a path in pure mathematics, having in mind to apply for a Ph.D. fellowship, or the modeling-application and computer science fields may be emphasized.
In any case, the cultural and methodological deepening of the master degree allows the graduates to work even in fields that are not strictly scientific in which flexible mentality, project and managerial skills are required.
The access to the program is free.
At the beginning of each a.y. the Council appoints a committee that evaluates the personal preparation of students who intend to enroll.
This committee checks on the personal preparation of the students, focusing on basic topics of algebra, geometry, mathematical analysis and mathematical physics.
For students coming from a Bachelor Degree in Mathematics, the last check is considered automatically fulfilled.
The possession of suitable English language skills of B1 level is also verified.

What do you learn?

The Master's Degree in Mathematics includes 5 compulsory courses in algebra, mathematical analysis, geometry, mathematical physics and history of Mathematics, then it provides the choice of optional courses depending on the interests of the individual student.

The knowledge in one or more areas of pure mathematics may be emphasized; the applied content of mathematics may be studied; or the foundations of mathematics and teaching methodologies may be deepened.

The curriculum is structured as follows:

- FIRST YEAR – Superior Algebra (9 CFU) – Superior Analysis (9 CFU) – Differential Equations of Mathematical Physics (9 CFU) – History of Mathematics (6 CFU) – 2 Optional Courses (12 CFU) – English language skills (3 CFU) – Other educational activities (12 CFU);
- SECOND YEAR – Topological Groups and Lie Groups (9 CFU) – 4 Optional Courses (24 CFU) – Other knowledge useful for entering the world of work (3 CFU) – Final Examination (24 CFU) 6CFU OPTIONAL COURSES – Noncommutative Algebra – Nonlinear Analysis – Numerical Calculus – Complements of Mathematical Analysis – mathematics Didactics and Teaching Methodology – Mathematical Physics – Physics – Laboratory – Algebraic Geometry – Mathematical Methods and Models for Applications – Uncertain Reasoning and Probability – Theory of Codes and Cryptography – Representation Theory – Theories and Techniques of Images Analysis.

What can you do with it?

Graduates in Mathematics can pursue professional activities in various fields.
They can work with profit and satisfaction in banks, financial and insurance companies, or in companies and firms in applied fields.
They can enter research either at the university, through PhD courses, or in other public or private research centers.
They can engage in the field of dissemination of scientific culture or in public administration.
They can also teach in schools of various orders, according to the regulations currently in force.

AGRICULTURAL, FOOD AND FORESTRY SCIENCES

www.unipa.it/dipartimenti/saaf

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-25 R	Agricultural Engineering	PA
L-25 R	Agricultural Sciences and Technologies	PA, CL
L-26 R	Agrifood Sciences and Technologies	PA
L-25 R	Forestry and Environmental Sciences	PA
L/GASTR R	Gastronomic Sciences	PA, TP
L-25 R	Mediterranean Agricultural Systems	TP
LM-42 R	Veterinary Medicine	PA
L-25 R	Viticulture and Oenology	TP

MASTER DEGREE

LM-69 R	Agricultural Productions and Technologies	PA
LM-69 & LM-73 R	Agroengineering and Forestry Sciences and Technologies	PA
LM-69 R	Entrepeneurship and quality for the agrifood system	PA
LM-70 R	Mediterranean Food Science and Technology	PA
LM-69 R	Precision Agriculture	PA
LM-69 R	Sciences and Technologies for Soil Protection and Conservation	PA

AGRICULTURAL ENGINEERING

CLASS L-25 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
China
Croatia
Fiji
Germany
Greece
Hungary
Malta
Lithuania
Mauritius
Netherlands
Poland
Portugal
Romania
Senegal
Slovakia
Spain
Turkey

What is the objective of the course? What is it?

The Bachelor's Degree in Agricultural Engineering provides knowledge in the field of agricultural production disciplines and techniques for surveying the rural territory, the main methodologies and techniques for designing, implementing and managing interventions for the agricultural enterprise.
The aim is to train a graduate with specific agronomic skills, who can also apply agricultural engineering techniques to the management of the farm and the rural area.
To obtain the degree, the student must have acquired 180 university credits (CFU).
The didactic path is made up of 19 compulsory exams, an English test, practical training in approved establishments and a final exam (interview).
The didactics, in addition to classroom lectures, includes at least 25% of laboratory activities, practical exercises and field activities for each course.
The training programme is completed by 12 CFUs freely chosen by the student, including some taught in English.
The acquisition of 3 CFUs is also foreseen for professional activities useful for the graduate's entry into the working world.
At the end of the course, the student is awarded the title of Doctor of Agricultural Engineering and, subject to passing the State examination on professional qualifications, is registered in Section B (Junior Agronomist) of the professional register of the Order of Agronomists and Forestry Doctors.

What do you learn?

The graduate in Agricultural Engineering acquires knowledge in disciplines such as mathematics, physics, chemistry and biology; he/she learns the methods of economic analysis of the farm, of drawing up estimates in the field of land and rural territory representation; the morpho-physiological and agro-ecological characteristics of the main herbaceous, horticultural and tree species; phytophagous insects and phytopathogenic agents; the management of livestock farms; the characteristics of buildings and plants of interest to the agri-food industry.
The training acquired will enable the junior professional to carry out and manage consultancy and first-level design activities relating to farm buildings, irrigation and drainage systems, greenhouses, stables, buildings and rural roads; the selection of machinery and equipment for the production chains of agricultural products; the drafting of projects aimed at the granting of subsidies for land investment works in agricultural holdings and agri-food businesses included in regional and national rural development plans.
The main areas of study in the agricultural engineering field focus on agroforestry land and agricultural systems.

What can you do with it?

The course council encourages graduates to enter the world of work through the placement of curricular and extra-curricular internships, the organisation of events dedicated to work Green Job Days -, the organisation of seminars and meetings with the world of work and the establishment of conventions and agreements with public and private organisations;
What can you do with this degree?

- Business creation: conquer the market;
- Entrepreneurship: to organise and manage businesses operating in rural areas;
- Consultancy and planning: improve the performance of agricultural businesses;
- Public and private institutions: at the forefront of land protection;
- Implementing EU programmes to improve the quality of life in rural areas;
- Public administrations: serving the community;
- Private practice (freelance): to participate also in multidisciplinary working teams.

Registration in the professional register of agronomists and foresters, section B (junior) is provided for after passing the state examination for professional qualification.
Continuation of studies is guaranteed in the Master's Degree Programme in "Agroengineering and Forestry Sciences and Technology".
Other useful information available on the "Agroingegneria UniPa" Facebook page.

AGRICULTURAL SCIENCES AND TECHNOLOGIES

CLASS L-25
CAMPUS Palermo, Caltanissetta
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Bachelor's Degree in Agricultural Sciences and Technologies is divided into two curricula: Agricultural Sciences and Sciences for Organic Agriculture.
Both courses prepare for the profession of agronomist, paying attention to providing future professionals with the skills required for the management of plant and animal production, for the transformation and marketing of agricultural products, for the technical-economic management of the agricultural and agri-food business, for the adoption of agricultural policies and rural development, for the economic and appraisal evaluations of agricultural land assets and capital.
Full professional competence is achieved by continuing studies in the Master's Degrees.
The specific skills also take into account the quantitative-qualitative and hygienic-sanitary aspects of food, environmental and landscape issues, biotic and climatic adversities, the potential of local agricultural products and non-agricultural activities: agritourism, enjoyment of the natural environment, protection of traditions and promotion of quality and the Mediterranean Diet.
The curriculum dedicated to organic agriculture develops a more specific competence in the organic production system which is a consolidated component of food consumption and an expression of agro-environmental policies, widely spread in Sicily.

What do you learn?

The graduate in the Bachelor's Degree in Agricultural Sciences and Technologies consolidates basic scientific knowledge: Mathematics, Chemistry, Plant and Animal Biology and Agricultural Genetics; this knowledge is essential to develop professional skills.
The doctor in Agricultural Sciences and Technologies, in fact, is the competent professional for the agronomic aspects, cultivation techniques and defense of agricultural production, and aspects relating to livestock farming, as well as the principles of agricultural economics, knowledge of rural development policies, tools for the evaluation of land assets, for the design of cultivation systems and the technical-economic management of agricultural companies.
Furthermore, the graduate acquires the skills relating to the transformation and marketing processes of the final products of the agri-food chain, also obtained by applying the organic method.

What can you do with it?

To complete their education, graduates can continue their studies in the wide range of Master's Degrees offered by the University of Palermo in the field of agricultural sciences, identifying their preferred professional branch and directing their professionalism in the areas they consider most interesting.
With the achievement of the professional qualification, they can practice the profession as a Junior Agronomist, registered in the Professional Register of the Order of Doctors of Agronomy and Doctors of Forestry (Section B), and can operate in the following areas:

- Design and consultancy of agricultural;
- Zootechnical;
- Forestry and environmental systems;
- Food transformation and product marketing.

They can work in the defense and recovery of agricultural and forestry ecosystems, in the fight against desertification and in the conservation of biodiversity.
They can carry out appraisal, cadastral, topographic and cartographic activities.
They can provide technical, accounting and fiscal assistance for the production of goods and technical means.
They can be involved in quality certification and analysis of plant, animal and forestry production, both primary and transformed.
Further areas of application of the skills are identified in the entrepreneurial function, in the performance of tasks within public bodies, public administration and research, in international institutions, in private companies that offer services to agriculture.

AGRIFOOD SCIENCES AND TECHNOLOGIES

CLASS L-26 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Hungary
Ireland
Portugal
Spain

What is the objective of the course? What is it?

The Bachelor's Degree Course in Agri-food Sciences and Technologies aims to prepare graduates with good basic knowledge, application and professional skills that guarantee a complete vision of the problems of food and beverages from production to consumption.
The Bachelor Degree Course aims, with a view to protecting the quality and typicality of food, to train qualified personnel capable of carrying out technical tasks in the management and control of the processing, conservation, distribution and marketing of food and beverages.
They will also be capable of reconciling economy and ethics, as well as intervening with measures to guarantee the safety, hygiene, quality and wholesomeness of food, and to reduce waste and the environmental impact.
The specificity of this course lies precisely in training a figure equipped with a complete 'from field to fork' vision, capable of integrating the most specific skills of the food technologist with fundamental knowledge elements of the primary production system vegetable, animal and fish- and with the aspects related to the consumption and quality, nutraceutical, functional and gastronomic, of food.

What do you learn?

The Bachelor's Degree provides fundamental knowledge of: production chains and procurement of the products of cultivated plant species and livestock and fish production; technologies for processing products of plant and animal origin; microbiology and food hygiene; nutraceutical chemistry, functional foods and physiological bases of human nutrition and the Mediterranean diet; environmental sustainability, machinery and water resources for the agri-food industry; economics of the food and catering system; semiotics, history and anthropology of food and nutrition.

What can you do with it?

Graduates carry out management, planning, control, coordination and training activities in production and in the formulation, conservation, distribution and administration of food products.
They are able to autonomously plan and develop innovative solutions in the food industry and in the free profession.
The targeted management of functions is fundamental for the graduate in Food Science and Technology, producing professionals who aim to improving food products from a sustainability stance and to reduce waste in industrial activities, improving the overall quality of small and medium-sized businesses enterprise.
The broad spectrum of knowledge connotes a professional who can cover all functions useful in the food industry and related production activities such as: coordination and responsibility of processes related to food transformation and marketing, the selection of suppliers of raw materials, additives, adjuvants, packaging materials and implants; the study, design and optimization of food processing processes: from modelling in pilot tests and subsequent scaling-up by evaluating the shelf-life of the end product; integrated quality management in the production chain, aimed at achieving the objectives of product safety and quality, social responsibility and environmental protection; the ability to develop innovative analytical protocols for security control, the identification of emerging risks and the assessment of the quality requirements of food productions.

FORESTRY AND ENVIRONMENTAL SCIENCES

CLASS L-25 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
China
Croatia
Czech Republic
Fiji
Germany
Greece
Hungary
Lithuania
Malta
Mauritius
Netherland
Poland
Portugal
Romania
Senegal
Slovakia
Spain
Turkey

What is the objective of the course? What is it?

The Forestry and Environmental Sciences Bachelor's Degree programme prepares graduates who are competent and able to work in the field of forest, land and environmental management, using modern, advanced and sustainable approaches, methods and techniques. Graduates will have the knowledge and skills to manage the forest and rural area, to guarantee and enhance the various ecosystem services it provides, to combat hydrogeological instability, to combat climate change, to prevent and fight forest fires, to manage the wood supply chain, tourism and recreation and, last but not least, to protect and defend natural resources and biodiversity.
The graduate has a multidisciplinary vision of the forest and rural environment, with a distinct and unique ability to read, interpret and develop the needs and resources of the territories in which he/she works. To obtain the final qualification, the student must have acquired 180 CFU, divided into 19 compulsory examinations, a foreign language test, activities chosen by the student (12 CFU), an internship carried out in companies in the sector, 3 CFU for professional activities.
In addition to classroom lectures, there are numerous practical, laboratory and field activities.

GENERAL INDEX
DEPARTMENT INDEX

The degree entitles the student to register in Section B of the Professional Register of the Order of Agronomists and Foresters, after passing the State Examination.

What do you learn?

In addition to basic knowledge in mathematics, chemistry and plant biology, the Forestry and Environmental Sciences graduate will acquire knowledge and skills in plant morphology, anatomy and physiology, taxonomy, diagnosis of the main plant diseases and their possible prevention, economic aspects of forestry and the environment, mechanisation and forest operations (including the design and management of construction sites and safety), prevention of hydrogeological instability and therefore hydraulic-forestry systems for soil protection and conservation, surveying and cartographic representation of the territory.
In addition, forest ecology, dendrometry, silviculture and forest management, subjects that characterise the competences of the Forestry Doctor, are studied in detail. 25% of the teaching time is devoted to exercises, workshops and study visits organised in the regional and national territory.
The graduate learns to plan and design interventions in the following areas:

- Sustainable management and enhancement of the forest and environmental heritage;
- Defence of forests and the environment against biotic and abiotic adversities;
- Protection against hydrogeological instability;
- Advice to companies (public and private), also with a view to obtaining European funding;
- Timber and forest products industry;
- Forest fire prevention and control.

What can you do with it?

The course council accompanies the graduates' entry into the world of work with placement actions such as curricular and extra-curricular placements, the organisation of events dedicated to work - Green Job Day -, the organisation of seminars and meetings with the world of work and the establishment of agreements with public and private organisations;
Main professional opportunities (but not limited to)

- Freelance work: independent, but also in multidisciplinary teams;
- Start-up: a way to conquer the market;
- Self-employment: creation and management of businesses operating in mountain, forestry and rural areas;
- Consulting and planning activities: for public and private companies, also in the development of green business;
- Public and private institutions: to take care of the health and protection of the territory and to enhance natural resources;
- Implementation of EU programmes to improve the quality of the environment in rural and forest areas;
- Public administrations;
- NGOs: at the service of the environment;

Registration in the Professional Register of Agronomists and Foresters, Section B (Junior Graduates) is possible after passing the State Examination.
Continuation of studies is guaranteed in the Master's Degree in "Agroengineering and Forestry Science and Technology".
Further information can be found on the Facebook and Instagram pages "Scienze Forestali Unipa".

GASTRONOMIC SCIENCES

CLASS L/GASTR R
CAMPUS Palermo, Trapani
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Hungary
Ireland
Portugal
Spain
Turkey

What is the objective of the course? What is it?

The Bachelor's Degree Course in Gastronomic Sciences aims to train the professional figure of the Gastronome.
The Gastronome is able to manage the food and wine peculiarities of the territory and promote them by identifying opportunities and conveniences; moreover, he is a professional capable of analyzing food and wine systems consisting of the processes of production, transformation, and consumption of food, within the framework of knowledge also of aspects related to historical, artistic, environmental, social, biological and nutritional components.

The figure of the Gastronome takes on a crucial role particularly in Italy, a country where the agri-food sector is a key sector of the economy and invests heavily in promoting its typical products.
In fact, of the more than 3 thousand PDO, PGI, and TSG products existing in Europe, more than 800 are Italian.
In addition, the Bachelor Degree Course in Gastronomic Sciences aims to promote and enhance the Mediterranean Diet, which has been recognized by UNESCO as an intangible cultural heritage of humanity.

What do you learn?

The graduate in Gastronomic Sciences acquires highly professionalizing knowledge, methodologies, and techniques with specific reference to the food and wine sector in order to practice the profession of Gastronome.
As part of the Bachelor Degree program, one learns about the basic scientific, technical, and nutritional aspects of food and the development of historical, anthropological, and psychological skills related to the world of food.
The Gastronomic Sciences graduate matures an empirical knowledge of the Gastronomic Sciences through a structured program of educational trips, internships, and apprenticeships with national and international destinations.

What can you do with it?

The employment potential of the professional figure of the graduate in Gastronomic Sciences is manifold and ranges from the world of production (production, processing, conservation companies in the agri-food sector) to the world of distribution (small and large-scale food distribution, including e-commerce, mass catering, and catering) including companies in the world of gastronomy (restaurants, stores, wine shops, etc.).
Given the skills of the professional figure, communication activities (media, advertising sector, promotion of the territory and the food and wine supply chain) and collaboration with national and international institutions, governmental and non-governmental, operating in the fields of agribusiness, nutrition, and development of the territory and tourism are also among the possible employment outlets.

The graduate in Gastronomic Sciences can enroll in Master's and Master's Degree programs at the undergraduate level.

MEDITERRANEAN AGRICULTURAL SYSTEMS

CLASS L-25 R
CAMPUS Trapani
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Greece
Lithuania
Malta
Netherlands
Portugal
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Mediterranean Agricultural Systems aims to train professionals capable of dealing with primary production (plant and animal production) with a supply chain perspective in regions within the Mediterranean basin, characterized by significant environmental fragility.
This aligns with the main international quality certification standards for production processes and with the principles of sustainable development set out in the 2030 Agenda adheres to the principles of sustainable development outlined in the Agenda 2030, with particular reference to Goals No. 2 (Zero Hunger) and No. 12 (Responsible Consumption and Production).
Graduates in Mediterranean Agricultural Systems will have skills in:

- Modeling primary and agri-food production systems, including organization and interpretation of experimental and production data;
- Assessing agricultural production factors and their impact on the quantitative and qualitative aspects of plant and animal production;
- Food production practices and their application for improving the quality of agri-food products;
- Economic and financial management of agricultural and livestock enterprises within the context of current climate change.

Professionals will have a comprehensive understanding of the use of non-renewable resources and the enhanced efficiency of technical means made available by agronomic sciences, ensuring benefits for both the agricultural entrepreneur and the final consumer.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The educational program includes basic courses (mathematics, physics, chemistry, botany, genetics, and genetic improvement), characterizing and related courses (soil fertility, hydraulic design in Mediterranean environments, agronomy and dry farming practices, phytoremediation and reuse of wastewater in agriculture, management of the olive supply chain, supply chain of tropical and subtropical fruit crops in Mediterranean environments, principles of nursery management and horticultural and floricultural production, herbaceous cropping systems for hot and arid environments, principles of mechanics and agricultural mechanization, agricultural economics and rural appraisal, certifications applicable to the primary production sector, livestock farming, and crop protection).

What can you do with it?

Graduates in Mediterranean Agricultural Systems have a professional profile that enables them to find employment as operators in the primary production sector (agricultural enterprises, producer associations, producer organizations) and in public or private local authorities, through public competitions, operating in the primary production sector or related fields.
Graduates in Mediterranean Agricultural Systems can also work as independent professionals (Junior Agronomists), with access to section "A" of the Professional Register of Agronomists and Foresters.
The degree in Mediterranean Agricultural Systems prepares graduates for the profession codified by ISTAT with the following code: Agronomists and Foresters (2.3.1.3.0).
Furthermore, they can continue their university studies to obtain a master's degree or a first-level master's degree.

VETERINARY MEDICINE

(QUALIFYING FOR THE VETERINARY PROFESSION)

CLASS LM-42 R
CAMPUS Palermo
TYPE OF ACCESS Open semester
SEAT OF INTERNATIONAL AGREEMENTS
Tunisia
United Kingdom

What is the objective of the course? What is it?

The objectives of the Master's Degree Single Cycle Course in Veterinary Medicine are to provide students with an appropriate preparation from a technical, professional and ethical point of view, in order to train professionals capable of:

- ascertain and protect the health status and welfare of domestic pets, farm and wild animals;
- prevent and treat infectious and parasitic animal diseases;
- inspect and control animal health;
- supervise the production and marketing of food of animal origin;
- anaging genetic selection schemes and aspects of breeding technology, nutrition and reproduction; solving clinical contingencies in animals.

What do you learn?

- Diagnostics, treatment and prophylaxis of animal diseases belonging to the various species, especially those of zootechnical and pet interest by assessing any pathological states of the animal;
- Safeguarding animal welfare in the production chain of food of animal origin, pet food and food used for scientific purposes;
- Epidemiological monitoring of the territory, in the control of foodstuffs of animal origin in order to guarantee their wholesomeness for human safety, in animal welfare and in the prevention of diseases, especially zoonotic diseases with a one health perspective, in the productive, reproductive and nutritional management of farmed species, in the control and certification of the agri-food chain;
- Working at the interface between animal and human health in a perspective that takes into account environmental determinants, with a focus on emerging infections, non-communicable diseases and the alteration of structures and thus of the functioning of biodiversity most often as a consequence of anthropogenic impact;
- Support to relevant industrial sectors (zootechnical, pharmaceutical, feed, production and distribution of food of animal origin);
- Knowledge from the one health perspective, skills and experience to be applied to a range of health issues such as food safety, antibiotic resistance, animal health and welfare topics, environmental protection.

What can you do with it?

- Professional activities related to the veterinary profession, i.e. clinical (including behavioural), surgical and obstetric-gynaecological activities, both ambulatory and field, in livestock and pets;
- Work in public and private industry (zootechnical, pharmaceutical, feed, food processing of animal origin);
- Third-cycle studies (phd and postgraduate school), second-level university masters, research grants, postgraduate scholarships and thus access to teaching and research careers within universities;
- After obtaining the appropriate qualifications, the graduate can work in the veterinary functional areas (animal health, food, environment and animal welfare) of the national health service and in other national public bodies (region, province, iss, ministries), both at ministerial level and in local health authorities, experimental zooprophylactic institutes and the armed forces;
- Subject to successful completion of a specific post-graduate training course: activities within quality assessment and certification bodies, quality assurance in production chains.

VITICULTURE AND OENOLOGY

(QUALIFYING FOR THE PROFESSION OF ENOLOGIST)

CLASS L-25 R
CAMPUS Trapani
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Georgia
Hungary
Portugal
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Viticulture and Enology is a three-year Degree Course, for a total of 180 CFU. The Course provides basic knowledge of Biology, Enological Technologies, Business and Market Economics, Production and qualitative evaluation of viticultural products, Elements of management of the winemaking supply chain.

What do you learn?

Skills are acquired in vine biology, physical, chemical and biological quality of the soil, vineyard planting and management (agronomics, disease control, etc.), oenological technologies and processes, chemical-physical, sensorial and microbiological analyses, sector regulations, business economics and marketing, development and management of businesses, plants and wine-growing products.

What can you do with it?

- The graduate is qualified to work as an Oenologist, whose title is recognized in all EU countries;
- The activity of Junior Agronomist, after passing the qualification exam for the profession of Agronomist;
- Management, administration, consultancy of wine companies for the production and transformation of grapes and derived products.

GENERAL INDEX
DEPARTMENT INDEX

AGRICULTURAL PRODUCTIONS AND TECHNOLOGIES

CLASS LM-69 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master's Degree in Agricultural Production Sciences and Technologies aims to train professionals in the agricultural sector and is aimed at: improving and consolidating technical and scientific skills for the design, management and control of productive agricultural systems with connotations of sustainability and multifunctionality; acquiring specific skills in agroecological management and enhancement of multifunctional greenery (technical, ornamental, historical, sports and recreational) in urban and extra-urban areas; applying community and market policies and evaluating investments.
The Master's Degree is divided into two curricula: Plant Production and Rural and Urban Agroecology.

What do you learn?

The training course allows to acquire knowledge in the field of propagation, production, management and defense of shrubby species, fruit and ornamental trees, industrial and medicinal herbaceous plants, horticultural and floricultural plants, also through field and laboratory surveys, data processing and interpretation.
Specific aspects in the field of community policies, the market and investment evaluation are also studied.
The understanding of the aspects related to agroecological management and enhancement of multifunctional greenery, also for recreational and sports use, is pursued through specific disciplines included in the educational course.

What can you do with it?

The graduate in Agricultural Production Sciences and Technologies can work in: Individual or associated agricultural companies; Producer organizations (PO) and category organizations; Large-scale retail trade (GDO); National and international public and private research and consultancy bodies (FAO, European Commission, etc.); Government institutions.
With the professional qualification, one can register with the Order of Agronomists and Forestry Doctors (Section A), and carry out freelance work in the following fields (taken from the Order of Agronomists and Forestry Doctors CONAF):

- Consultancy on cultivation and breeding programs, to the feed industry and to breeders;
- Prevention and treatment of diseases of cultivated plants;
- Genetic research;
- Quality control of agricultural products and agri-food transformation processes, including quality certification;
- Economic evaluations and management of company accounting;
- Design and management of construction works for rural buildings, agri-food plants and structures for agritourism;
- Execution of cadastral, topographic and cartographic works;
- Consultancy on reclamation and irrigation works.

AGROENGINEERING AND FORESTRY SCIENCES AND TECHNOLOGIES

CLASS LM-69 R/LM-73 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
France
Greece
Hungary
Lithuania
Mauritius
Poland
Portugal
Romania
Spain

What is the objective of the course? What is it?

The Master's Degree Course consists of two cultural profiles: the first is 'Agricultural Sciences and Technologies' (LM-69 R) and the second is 'Forestry and Environmental Sciences and Technologies' (LM-73 R).

Students choose from these two classes when they enrol and make their final choice in the 2nd year.
The course is suitable for all graduates in Forestry and Environmental Sciences, Agroengineering and Agricultural Sciences and Technologies and all those who care about environmental protection and the sustainable development of the territory, in line with the principles of the EU Green Deal and UN Sustainable Development Goals adopted by all United Nations member states in 2015.
The course includes a common curricular path in the 1st year, while in the 2nd year it is organised into two profiles: LM-69 R "Agroengineering Sciences and Technologies" trains graduates for the appropriate management of biotic and abiotic resources using precision agriculture systems and agro-engineering technologies applied to agro-environmental systems.
LM-73 R "Forest Sciences and Technologies" trains graduates to work in management and defence of forest resources, use and enhancement of forest products, planning and defence of the territory, management of agro-forestry companies.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

With a view to environmental, economic and social sustainability and climate change mitigation students acquire specific skills in each of the two profiles, to prevent and manage hydrogeological and environmental risk, manage and enhance forest resources (LM-73 R), use engineering and precision farming technologies (LM-69 R), plan forest systems and manage agroforestry businesses.
Furthermore, the course provides GIS, green marketing and certification, natural engineering techniques, environmental impact assessment and environmental asset assessment, sustainable defence and biodiversity preservation skills.
This Master Degree Course provides graduates with everything they need to solve complex situations related to the management of rural areas.

What can you do with it?

Graduates will be able to work in the following areas:
Entrepreneurship:

- managing companies operating in mountain and forest territory;
- Consultancy and planning: improving business performance and developing green paths;
- Start-ups: a way to conquer the market;
- Public administrations: serving the community for the protection of the territory and to enhance natural resources;
- NGOs: serving the environment; Universities: PhD;
- Private practice: supporting both private and public companies for sustainable management of resources;
- State examination and registration on the Professional Register of Agronomists and Foresters, section A (Senior Graduates).

ENTREPRENEURSHIP AND QUALITY FOR THE AGRI-FOOD SYSTEM

CLASS LM-69 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master's Degree Course in Entrepreneurship and Quality for the Agri-food System aims to train professionals aimed at enhancing entrepreneurial skills and enhancing quality requirements; in particular, in reference to the awareness that Sicily is characterized by a strong potential for the production of foods with high organoleptic, hygienic-sanitary, but also cultural, historical and environmental requirements.
The professional that the course prepares must be able to operate in a global economic system, to start business and supply chain initiatives with a view to sustainability, through the various forms of coordination of production, organizational and logistics activities.
The course also responds to the need to train professionals in quality certification and food safety, for the enhancement of agricultural and livestock production, fresh and processed, and the organization of quality agri-food supply chains.
The Course of Study is divided into two curricula: Business Management and Quality Enhancement and Management of the Livestock Business.

What do you learn?

The Master's Degree provides the skills needed to obtain high-quality and safe agri-food products.
To this end, the courses focus on techniques for qualifying food production "in the field": in herbaceous, horticultural and arboreal crops and in livestock production. Skills related to "post-harvest" are also provided, on the technological processes of food transformation and those aimed at eliminating fungal and microbiological risks.
Qualitative enhancement is addressed through skills related to quality certifications and food safety, combined with knowledge of marketing and business management, logistics and food packaging, within the framework of EU agricultural policies.

What can you do with it?

The graduate in Entrepreneurship and Quality for the Agri-food System can work in the field of adopting quality management systems (QMS) or as an auditor for certification bodies.
In the distribution and Producer Organizations (PO), and within agro-industry companies, he/she can be responsible for procurement and quality, marketing and logistics organization.
He/she can work within public administration and research bodies, in national and international institutions (FAO, European Commission, etc.).
With the professional qualification, he/she can register with the Order of Agronomists and Forestry Doctors (Section A), and work as a freelancer in the following fields (taken from the Order of Agronomists and Forestry Doctors CONAF):

- Consultancy on cultivation and breeding programs, to the feed industry and breeders;
- Prevention and treatment of diseases of cultivated plants;
- Genetic research;
- Quality control of agricultural products and agri-food transformation processes, including quality certification;
- Economic assessments and management of company accounting;
- Design and management of construction works for rural buildings, agri-food plants and structures for agritourism;
- Execution of cadastral, topographic and cartographic works;
- Consulting on land reclamation and irrigation works.

MEDITERRANEAN FOOD SCIENCE AND TECHNOLOGY

CLASS LM-70 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Hungary
Ireland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree Course in Mediterranean Food Science and Technology has the specific training objective of providing the advanced knowledge required to rationally choose the most suitable processes and transformation phases for food and beverage production and for the management of the agri-food company.
Contents are also developed relating to the management of agri-food industry plants, circular economy, main solutions for improving energy and environmental performance of the agro-industrial systems, environmental product labels, standards on life cycle assessment (LCA).
The Course also deepens knowledge of the standards relating to quality and safety assurance, as well as business economics, consumer and marketing skills, preparing a multidisciplinary professional figure, able to face the challenges of the food industry oriented towards HO.RE.CA., large-scale retail trade, but also towards niches of excellence (Protected Designation of Origin, quality assurance label, Protected Geographical Indication).

What do you learn?

The Master's Degree Course specifically addresses the problems relating to technologies applied to the management of raw materials and foods specific to the Mediterranean environment, also in relation to the various food distribution chains, including the areas of public catering, nutrition, and control of food safety and products of Mediterranean origin; food trade and safety legislation; the economics and management of agri-food business, marketing and, in particular, analysis of consumer behavior.

What makes the Master Degree Program unique is its focus on the sustainability of the agri-food industry processes and on the biological and microbiological control of food Mediterranean Agri-food chains, including those of animal and marine origin.
The course will focus on the nutritional aspect and food safety control of products of Mediterranean origin.
The basic concepts of circular economy and industrial symbiosis will be applied to identify the main solutions for improving the energy and environmental performance of products and services.

What can you do with it?

The graduate in Mediterranean Food Sciences and Technologies can carry out management, planning, control, coordination and training activities in the production and conservation, distribution and administration of food products.
He will be capable of autonomously developing innovative solutions in the food industry and in the freelance profession.
He will be involved in companies connected to processing and marketing of food products, in the Large-Scale Distribution, in collective catering, in public and private research institution for planning, analysis, control, certification, information and communication activities.

PRECISION AGRICULTURE

CLASS LM-69 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master's Degree Course in "Precision Agriculture" is an in-depth study for graduates who intend to consolidate and expand their professional and scientific training in the sector of agricultural and livestock production with precision technologies.

The Degree Course is aimed at:

- Improving the technical and scientific skills useful for the "real-time" design, management and control of agricultural production systems, with connotations of sustainability and multifunctionality;
- Consolidating professional skills in the management and valorization of quality products;
- Deepening knowledge of the market and economic evaluation of investments with technologies of agriculture 4.0.

What do you learn?

The first year includes 3 courses (1CFU = 10 hours of assisted teaching activity) per semester whose topics are the fundamentals of precision agriculture with GNSS positioning systems, the management of Big Data, the use of the Cloud and the application of the IoT (Internet of Things), remote sensing, agronomy, herbaceous, horticultural and fruit crops and their defense from adversities with precision agriculture technologies.
The second year includes the programming and economic management of the smart company, irrigation systems with sensors and intelligent technologies, precision livestock farming and the use of drones and machines for precision agriculture.

What can you do with it?

- Technicians for the precision management of fruit-bearing tree systems;
- Technicians for the precision management of the livestock system Technicians for the precision management of horticultural, flower and herbaceous crops in open fields and in protected environments;
- Technicians for the provision of consultancy services to agricultural and livestock companies for the application of precision technologies.

GENERAL INDEX
DEPARTMENT INDEX

SCIENCES AND TECHNOLOGIES FOR SOIL PROTECTION AND CONSERVATION

CLASS LM-69 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Bulgaria
Greece
Hungary
Lithuania
Mauritius
Poland
Portugal
Romania
Spain

What is the objective of the course? What is it?

The STEDIS Master's Degree Course aims to mainly deepen the cultural, scientific and professional fields related to soil protection in the context of climate change, agricultural and forestry uses, sustainable management and enhancement of agricultural and forestry resources in the perspective of an organization and management of the agro-forestry company that takes into account the principles of the circular economy.
The Master Degree Course trains professionals specialized in the sustainable management of the soil ecosystem with reference to its multidisciplinary aspects ranging from the chemical-physical aspects of the system, to its conservation over time also for production purposes, to defense against erosive processes and the consequent problems of hydrogeological instability, to the arrangement of slopes and watercourses also with naturalistic engineering techniques.
The Master Degree Course prepares a professional figure adhering to the skills of the senior Agronomist and to the following professions codified by ISTAT:

- Hydrologists (2.1.1.6.5);
- Planners, landscape architects and specialists in land recovery and conservation (2.2 .2.1.2);
- Botanists (2.3.1.1.5);
- Agronomists and Foresters (2.3.1.3.0);
- Researchers and Graduate Technicians in Earth Sciences (2.6.2.1.4).

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The skills that STEDIS graduates can acquire are based on the acquisition of the most innovative technical-scientific knowledge of the disciplines of surveying and territorial information systems, applied botany, soil conservation and protection, hydrology and the physical quality of soils.
The skills that can be acquired are completed by the topics of geomorphological hazards, environmental legislation and related evaluation techniques, soil microbiology, agronomic techniques and the choice of wood species for soil conservation purposes as well as prevention and protection from forest fires.
The complex of these disciplines, which underlie the implementation of soil defence, conservation and sustainable management techniques, can be completed with a "student's choice" section aimed at enriching skills and abilities in the fields of biotechnics of plant species and naturalistic engineering also with reference to the degradation of wooden materials, bioindicators of soil quality and the recovery of degraded areas.

What can you do with it?

STEDIS graduates have a professional profile that allows them to find a job placement, subject to public competition, in various state structures and apparatuses, such as the State Forestry Corps, or in the Regions, Provinces, Mountain Communities, Municipalities, Park authorities, nature reserves, agricultural engineering companies and companies and organizations operating in the field of defense, sustainable management and soil conservation.
The Soil Protection Technician can also collaborate in the activities of environmental associations also with reference to the sector of environmental dissemination; another relevant professional outlet is that of freelance activity, as the graduate in Sciences and Technologies for the defense and conservation of the soil can access the Professional Register of Doctors of Agronomy and Forestry.

EARTH AND SEA SCIENCES

www.unipa.it/dipartimenti/distem

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-32 R	Biodiversity and Technological Innovation	TP
L-34 R	Geological Sciences	PA
L-32 R	Natural and Environmental Sciences	PA

MASTER DEGREE

LM-60 R	Conservation and Valorization of Natural System	PA
LM-75 R	Environmental Science and Tecnologies	PA
LM-74 R	Georisks and Georesources	PA
LM-6 R	Marine Biology	PA

BIODIVERSITY AND TECHNOLOGICAL INNOVATION

CLASS L 32 R
CAMPUS Trapani
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Tunisia

What is the objective of the course? What is it?

The Bachelor's Degree aims to provide the scientific and methodological bases for a systemic approach to biodiversity, socio-environmental issues and for the analysis of process components, concerning the natural environment and those modified by anthropogenic actions.
In the construction of the training project, particular attention was paid to ensuring that the student encounters, from the first year, all the disciplines, mathematics, physics, chemistry, earth sciences, biology, law, economics and medicine.
This will allow the formation of an attitude to the trans-disciplinary approach and to problem solving in a holistic way.
The courses themselves, where possible, will be characterized by trans-disciplinary paths with the co-presence of teachers belonging to different scientific areas.
The degree course aims to define a professionalism that, thanks to the heterogeneity of the methodological aspects and basic knowledge present in the training offer, allows graduates both to directly access the world of work and to subsequent master's courses

What do you learn?

Monitor and increase knowledge relating to the biodiversity heritage and map distribution, value and peculiarities in ecosystems; Know how to read the biological complexity and the relationships between organisms to define support tools for functional biodiversity and ecosystem resilience in a One-health context that includes ecosystem and human health; Work to promote the economic, social and environmental value of biodiversity also thanks to circular economy and restoration economy processes; Know the technologies in terms of Key Enabling Technologies (biotechnologies, artificial intelligence and digitalization, technologies for life sciences) to enhance and restore biodiversity based on the design of new early warning technologies and forecasting models; Operate in the field of biodiversity by proposing new observation tools and detection technology integrated into a system of science support for political actions (conservation, restoration, remediation, recovery, ecosystem services, enhancement, health, etc.) and innovation from micro to macro-scale.

What can you do with it?

Operator specialized in the characterization of biodiversity, innovation and environmental sustainability in public bodies, regional agencies and private companies aimed at environmental monitoring, companies that use biodiversity for the creation of economic value and that use raw materials of biological origin and residual biomass to replace high-impact production thanks to innovative and sustainable technologies.
Companies producing new products, drugs, foods, more efficient and sustainable materials.
Employment in public facilities with tasks of planning and management of environmental risk protection interventions, territorial planning and design companies, environmental certification and analysis companies, entities that operate and design in the field of environmental health science and direct outcomes on human health, in the context of integrative technological solutions for environmental sustainability.
Employment in public and private research centers and analysis laboratories in the environmental, research and biomedical industry sectors.
Employment in public administration offices and training institutions that deal with characterizing natural materials and professional development in the field of innovative and sustainable technologies.

GEOLOGICAL SCIENCES

CLASS L-34 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Malta
Portugal

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The Geological Sciences Bachelor's Degree lasts three years and the acquisition of 180 CFU. It is aimed to develop the full knowledge of content and methods in Earth Science, as well as process and dynamics of the Earth system. Geological Sciences prepares students for the challenges of higher education in Earth Science, from a sustainable development perspective.

What do you learn?

Students will acquire a first level preparation in Earth Science and a robust knowledge of mathematics, physics, chemistry and informatics. Each course includes a robust laboratory activity, field trips and 3 CFU for professional traineesheeps, that promotes occupational integration. Students will be able to plan geological surveys and will have acquired skills and competence, for the interpretation of earth processes and dynamics.

What can you do with it?

The Bachelor's Degree allows to pursue the Geologist Junior profession, after the state exam or may continue the academic career to Georisks and Georesources Master Degree (LM-74 R).

GENERAL INDEX
DEPARTMENT INDEX

NATURAL AND ENVIRONMENTAL SCIENCES

CLASS L-32 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Greece
Portugal
Spain

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The Bachelor's Degree provides the scientific and methodological foundations for a solid knowledge of the natural world, seen in its biotic and abiotic components, in their relationships and in their historical development. Lectures, exercises and field activities give the graduate familiarity with naturalistic and environmental methods, making him/her capable of carrying out sampling and analysing the data obtained with the appropriate statistical tools to support public and private research centres. The Degree Course provides the scientific and methodological foundations to carry out junior professional activities in the various sectors of natural and environmental sciences and to collaborate with other professional figures in public administration. The graduate will be able to effectively use at least one European Union language, in the specific area of expertise. The Course includes both basic and characterizing courses, which provide the fundamental notions in the fields of Life and Earth Sciences, integrated with environmental, ecological and legal-economic courses. The course's strengths are multidisciplinary excursions, field and laboratory activities, training internships and other activities for entering the world of work, as well as study visits at Italian and European universities, also within the framework of national and international agreements.

What do you learn?

The Bachelor's Degree in Natural and Environmental Sciences includes training courses aimed at developing skills in Natural Sciences through botanical, zoological, ecological and geological disciplines, and in Environmental Sciences through chemical, physical, legal and contextual disciplines. The Course is divided into semesters and includes 20 courses for 180 CFU. The Course is organized into basic courses (mathematics and statistics, chemistry, physics) and characterizing courses (Ecology, Zoology, Botany, Earth Sciences), which provide the fundamental notions in the fields of Life and Earth Sciences, integrated with courses of a more environmental, ecological and legal-economic nature.

What can you do with it?

In addition to continuing with the Master's Degrees in Natural Sciences (LM-60 R), Analysis and Enviromental Management (LM-75 R) and Marine Biology (LM-6 R) at the University of Palermo, the graduate in Natural and Environmental Sciences can find opportunities in junior professional roles such as collaborator in the field of monitoring and conservation of natural and environmental systems, collaborator in the field of definition, implementation and management of integrated programs of urban, territorial and environmental transformation and regeneration, the organizational manager for nature tourism, the educator and naturalistic/environmental disseminator.

CONSERVATION AND VALORIZATION OF NATURAL SYSTEM

CLASS LM-60 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree in Conservation and Valorization of Natural System (open access) aims to create a professional figure with a solid cultural preparation in the systemic analysis of the natural environment, seen as a whole of its biotic and abiotic components and in their interactions, taking also into consideration its historical-evolutionary dimension. The Course prepares for various professions, including Ecologist, Zoologist and Botanist (both in the technical-scientific branch and in the communicative one) and teacher of scientific subjects in schools.

What do you learn?

The graduate in Conservation and Valorization of Natural System learns to address problems for the management and conservation of quality in the natural environment, with skills for wildlife management, biodiversity conservation and for the management of natural and environmental data. Adequate knowledge will be provided for the systemic analysis of the natural environment of the recent past, the study of terrestrial and aquatic ecosystems to combine the exploitation of resources with the protection of natural heritage. The educational path will be integrated with laboratory activities, internships and placements, at public institutions and private structures, and field experimentation.

What can you do with it?

Graduates of the Master's Degree in Conservation and Valorization of Natural System will be able to work as Botanist, Zoologist and Ecologist. They will be able to plan, illustrate and interpret field and laboratory informations, through data processing, analysis and synthesis procedures, aimed at impact studies and impact assessment; they will be able to draft thematic maps. Professional opportunities in the public and private sectors include, among others, museum activities in scientific or naturalistic museums; scientific dissemination activities and scientific journalism; planning of natural parks and drafting of Park Plans, management of protected areas.

ENVIRONMENTAL SCIENCE AND TECNOLOGIES

CLASS LM-75 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Spain

What is the objective of the course? What is it?

The Master's Degree Program in Environmental Science and Tecnologiesis structured as a multidisciplinary pathway aimed at: providing an in-depth cultural foundation with a systemic focus on the environment and a solid grasp of the scientific method; developing the ability to identify and organize the interactions among various factors involved in complex environmental processes, systems, and issues; building the capacity to apply diverse investigative methodologies for understanding and managing complex environmental situations linked to restoration and environmental remediation initiatives; acquiring skills in environmental biotechnology; gaining expertise in remote sensing techniques and geographic information systems; using bioindicators in environmental analysis, management, and rehabilitation; working with responsibility in the coordination of environmental analysis, management, and rehabilitation fields; providing the knowledge to assess environmental resources and formulate strategies for land management, planning, and environmental conservation, also integrating environmental variables; managing sustainable processes and procedures for mitigating environmental impacts and risks. The degree program is delivered in two languages, Italian and English.

What do you learn?

Graduates in Environmental Science and Tecnologies must have multidisciplinary knowledge based on the following concepts: the definition of natural ecosystems with reference to their composition, and their chemical, ecological, geochemical, geomorphological, and biochemical characteristics, as well as various levels of animal and plant biodiversity; an understanding of natural processes and environmental pollution processes; knowledge and comprehension of advanced tools to be adopted for environmental protection, management, sustainability, and rehabilitation. Achievement of the general objectives is attained through an integrated understanding of physical, mathematical, biological, chemical, ecological, earth sciences, and legal-economic-assessment disciplines. Additionally, courses in communication and circular economy have been introduced. Teaching activities are conducted through lectures, laboratory and field exercises, specialized seminars, and case study analyses. The curriculum includes 12 compulsory exams, one elective exam, a practical/applied internship at affiliated institutions, and a final examination on specific program topics, preferably carried out in collaboration with external entities or companies. The educational pathway is made more flexible by the inclusion of two optional courses, selectable from a list of 9 courses offered within the program.

What can you do with it?

The Master's Degree program prepares students for careers as:

- Agronomist (independent professional);
- Researcher at research organizations and institutes;
- Biologist (independent professional);
- Geologist (independent professional);
- Senior Technician for Environmental Systems Management and Monitoring;
- Senior Technician specializing in Environmental Safety and Protection;
- Environmental Sustainability Expert;
- Public Engagement Specialist.

GEORISKS AND GEORESOURCES

CLASS LM-74 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Portugal
Malta

What is the objective of the course? What is it?

The Georisks and Georesources Master's Degree lasts two years and the acquisition of 120 CFU. It is aimed to develop the full mastery of content and methods in Earth Science, as well as skills and competence for Geologo Senior profession. The educational path is organised in four mandatory courses and elective courses, that allow the student to customise their own learning. Georisks and Georesources prepares students for the challenges of higher education and a competitive work environment, from a sustainable development perspective.

What do you learn?

Students will develop a critical awareness, in a multi-disciplinary framework, on interpretative models and scenarios, in which the geologist is involved. Each course includes a robust laboratory activity, field trips and 9 CFU for professional traineesheeps, that promotes occupational integration. Students will be able to plan strategy analysis and geological models to assess hazard and vulnerability or to estimate resources, in a sustainable development perspective.

What can you do with it?

The Master's Degree allows to pursue the Geologist Senior profession, after the state exam. Geologo Senior may be a self-employed person as a geologist, employed either by government agencies or private industries.

GENERAL INDEX
DEPARTMENT INDEX

MARINE BIOLOGY

CLASS LM-6 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
France
Lithuania
Portugal
Spain

What is the objective of the course? What is it?

The objective of the Master's Degree is to train Marine Biologists with a strong background in basic and applied marine biology, with particular reference to the conservation and management of the marine environment and of fishing and aquaculture resources, environmental monitoring and restoration and environmental impact assessment.

What do you learn?

Students will gain theoretical and experimental skills in marine biology and ecology, conservation and restoration of marine ecosystems, protected marine areas, management of the coastal zone and of fishery and aquaculture resources, sustainable aquaculture, environmental monitoring and assessment, effects of human activities and climate change. Skills will be acquired through participation in lectures, seminars, laboratory exercises, excursions and fieldworks, curricular internships and the preparation of the final dissertation.

What can you do with it?

Master's Degree graduates in Marine Biology are employed in public and private research centres; local authorities responsible for the management of marine protected areas, environmental monitoring and assessment; public bodies and consulting companies in the field of fishery and coastal zone management; fishery and fish processing enterprises; aquaculture and mariculture enterprises; marine protected areas; public and private schools after teaching qualification. They can enrol in PhD courses and high-profile specializations and can register with the National Order of Biologists as Senior Biologists.

BIOLOGICAL, CHEMICAL AND PHARMACEUTICAL SCIENCES AND TECHNOLOGIES

www.unipa.it/dipartimenti/stebicef

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-29 R	Animal Pharmaceuticals and Nutraceuticals	PA
L-2 R	Biotechnology	PA
L-27 R	Chemistry	PA
L-13 R	Life Science	PA
LM-13 R	Pharmaceutical Chemistry and Technology CTF	PA
LM-13 R	Pharmacy	PA, CL
L-43 R	Technologies and Diagnostics for the Conservation of Cultural Heritage	AG

MASTER DEGREE

LM-8 R	Biomolecular Industrial Biotechnology	PA
LM-61 R	Food Science and Human Nutrition	PA
LM-6 R	Molecular Biology and Health	PA

ANIMAL PHARMACEUTICALS AND NUTRACEUTICALS

CLASS L-29 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Bachelor's Degree Program in Animal Pharmaceuticals and Nutraceuticals aims to train experts with in-depth knowledge in the field of pharmaceutical sciences, with a particular focus on drugs/medications, on nutraceuticals, functional foods, medical foods, and dietary supplements for animals.
The program offers a curriculum specifically designed to train professionals with knowledge of veterinary drugs and medications, and their impact on animal health and the environment, with particular emphasis on knowledge of the chemical composition and nutritional value of animal feed, supplements, and nutraceuticals, as well as on the quality control and safety of drugs/medications and nutraceuticals intended for animals.
The specific objectives of the course take into account the competencies needed for potential professional placement at the end of the three-year program.
In the third year, an obligatory internship is scheduled to allow students to acquire practical skills and tailor their educational path, also through elective courses, toward specific sectors within pharmaceutical sciences applied to the veterinary field.

What do you learn?

The graduate will acquire skills related to products and processes in the pharmaceutical, chemical, agrochemical, food, medical device, and animal health industries; in quality control methodologies and techniques for processes and products in the manufacturing industry; in regulatory processes concerning veterinary drugs, from registration and authorization to market release; and in research and development activities within the pharmaceutical and animal health product sectors.
The skills acquired, in compliance with the principles of European harmonization, meet the requirements of the Dublin Descriptors system:

- Autonomy of Judgment: Evaluation and interpretation of experimental and process data; economic evaluation of processes; scientific approach to issues related to the development of drugs, medicines, nutraceuticals, and animal feeds;
- Communication Skills: Acquisition of knowledge for scientific communication in both Italian and English, computer skills, and skills in data processing, presentation, and discussion;
- Learning Ability: Acquisition of skills related to the understanding of scientific articles, bibliographic consultations, and database searches relevant to pharmaceutical and nutraceutical sciences; ability to integrate knowledge to assess the social and environmental impact of pharmaceutical and nutraceutical research.

What can you do with it?

The Bachelor's Degree program in Animal Pharmaceuticals and Nutraceuticals offers prospects in a growing field like animal health and specialized nutrition.
Graduates can work as technical specialists in the production processes of the pharmaceutical, feed, and animal health product industries.
They may pursue their professional activities in private and public companies within the chemical-pharmaceutical sector that conduct analysis, research, and design of drugs and animal health products.
They can be involved in research and development, production, or management of veterinary pharmaceutical products that enhance animal health, well-being, and performance; in public and private research laboratories conducting trials on drugs and animal health products.
Within farms and livestock companies, they can provide recommendations on dietary strategies and the use of nutraceuticals to optimize animal health and productivity.
They can also participate in quality control and safety assessment of pharmaceutical and nutraceutical products intended for animals, ensuring compliance with current regulations (especially those codified in pharmacopeias).
Additionally, they can work as scientific advisors and disseminators, providing expertise on drugs and specialized products for animal health to support industry professionals.

BIOTECHNOLOGY

CLASS L-2 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Portugal
Spain

What is the objective of the course? What is it?

The three-year Bachelor's Degree in Biotechnology aims to train highly qualified professionals, able of tackling the challenges of a constantly evolving sector.
The course provides a solid theoretical preparation and numerous practical laboratory activities necessary for the development of advanced skills in the various biotechnological fields, including industrial, biomedical and agri-food.

What do you learn?

The training course integrates lectures and laboratory activities, utilizing modern methodologies to study biological phenomena at the molecular, cellular and tissue level.
Students will acquire not only theoretical knowledge, but also practical skills, and will become familiar with the most cutting-edge technologies.
In response to rapid scientific advancements and the ethical and regulatory challenges of the sector, particular attention is given to developing the ability for continuous self-updating.

What can you do with it?

The graduate in Biotechnology will be ready to enter the workforce, equipped with practical and theoretical training applicable in industries ranging from biomedical research to sustainable agriculture, and environmental management.
Alternatively, they may continue their studies with a Master's Degree, gaining access to innovative and highly specialized career paths in the field.

CHEMISTRY

CLASS L-27 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Lituania
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Chemistry program is exploited in 3 years for a total of 180 credit and provides: basic knowledge of chemistry required for professional activities where scientific methods and technologies need to be applied also through the use of specific equipment; a solid basic theoretical knowledge of the matter, fundamentals of chemistry, chemical processes and phenomena; a thorough training in chemical laboratories (general, inorganic, organic, analytical, and physical chemistry) acquiring a variety of experimental skills; a well-defined level of independence in the chemical workplace, from industry to analytical and research labs in the fields of green and sustainable chemistry, synthesis and characterization of new materials and bioactive compounds, environmental chemistry, health, nutrition, renewable energy, preservation of cultural heritage.
The Chemistry program includes training on workplace safety and security, 420 hours of laboratory experience, 150 hours of professional traineeship.
At the end of the program the graduated BS in Chemistry can access the state exam to become a professional junior chemist and register within the B-category of the Professional Order of Chemists.

What do you learn?

Besides fundamentals of Maths and Physics, Chemistry students will learn about the fundamental laws of thermodynamics, basic principles of general chemistry (chemical equilibria and chemical kinetics), properties and reactivity of the chemical elements, relationships between molecular properties and macroscopic features, instrumental methods for chemical analyses, chemical nomenclature of organic and inorganic compounds, physical, chemical and spectroscopic properties of classes of organic and inorganic compounds, chirality, aromaticity, properties and functions of biomolecules.
Additionally, through the practice sessions in the teaching laboratories, Chemistry students will benefit from an extensive training-by-doing program to resolve problems of real physical and chemical systems, perform stoichiometrical calculations to apply the quantitative laws of chemistry, perform operations in chemical laboratory in order to prepare, isolate and characterize chemical compounds, perform experiments in the fields of general chemistry, inorganic chemistry, analytical chemistry (from sampling to reporting), organic chemistry and physical chemistry, and to obtain structural information from instrumental analysis and spectroscopic investigation, elucidate reaction mechanisms through experimental and computational tools.

What can you do with it?

Graduates in Chemistry can be enrolled as: Chemical technician in the industrial field; Self-employed junior professional chemist Freelance chemical technician; Chemical technician in public environmental protection bodies; Chemical technician in public laboratories for the protection and conservation of cultural heritage; Chemical technician in police corps and crime scene investigation laboratories; Chemical technician in private analysis laboratories, with the following duties:

- To draw up and validate reports or analysis results;
- To process data and / or information;
- To manage the chemical laboratory;
- To manage the safety and protection of workplaces and working environments;
- To analyze samples;
- To prepare certifications;
- To check compliance with safety regulations;
- To carry out chemical analyses relevant to the conservation of cultural and environmental heritage;
- To carry out chemical analyses for environment protection and monitoring;
- Drafting and submitting technical reports.

Graduates in Chemistry can continue their studies in Master of Sciences in Chemistry program as well as other Master or PhD programs in the scientific and technological field.

LIFE SCIENCE

CLASS L-13 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
France
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Germany
Poland
Portugal
Spain
United Kingdom

What is the objective of the course? What is it?

The Bachelor's Degree Life Sciences of the Università di Palermo is a First Cycle Degree.
It follows a 3-year undergraduate program, and schedules a total of 180 credits (ECTS), about 60 ECTS per year.
The Degree class is Biology (code L-13).
The name of the Degree course in Italian is "Scienze biologiche" (L-13) The Bachelor program in Life Sciences is planned to provide students with a sound basic knowledge of the areas of Biological Sciences and a good mastery of the methodologies and technologies related to all the lectures, providing adequate preparation for assimilation of scientific progress and ensuring that the students know and properly understand all kind of living organisms and related processes.
The Bachelor Degree Life Sciences program covers a very wide range of topics through several learning activities, including lectures, exercises, lab practice, seminars, and innovative educational activities.
The Bachelor Degree Life Sciences program supports Erasmus mobility thanks to the numerous agreements in place.
Students can spend a period abroad and attend authorized courses which can be included in the curriculum.

What do you learn?

At the end of the Bachelo'sr Degree course, the graduates will be able to work with a good degree of autonomy and adequate knowledge in performing professional activities and applying techniques in private and public institutions.
The course will train students as biologists able to classify and manage living organisms; analyse biological samples; perform environmental assessments; participate in conservation biology or molecular biology projects, examine natural processes; and, on the whole, understand how the biological systems from the cells to the human body work and can be investigated.

What can you do with it?

The University of Palermo offers Master's Degree programs under the Life Sciences fields; Biodiversity and Evolutionary Biology, Biology Applied to Research in Biomedicine, Applied Biology in Nutritional Sciences, Molecular Biology of the Cell, and Conservation Biology.
The Bachelor's Degree in Life Sciences affords admission to the Biologists' Professional Register (Section B, Junior Biologists), subject to a pass in the professional qualifying exam, enabling the graduate to perform the activities recognized by Italian law.
The Junior Biologist can find a technician job in different fields, from healthcare to bioinformatics, and in the field of agriculture, agro-food industries, and environmental service centres.

PHARMACEUTICAL CHEMISTRY AND TECHNOLOGY

(QUALIFYING FOR THE PROFESSION OF PHARMACIST)

CLASS LM-13 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
France
Hungary
Lithuania
Poland
Portugal
Spain
Germany

What is the objective of the course? What is it?

The Master's Degree Single Cycle program has the main objective of training graduates equipped with the necessary scientific basis to operate in the pharmaceutical industry, in every sector of the multidisciplinary process that starts from the design of potentially active molecules and leads to the synthesis, experimentation, recording, production, control and marketing of the drug, according to the rules codified in the Italian and European Pharmacopoeias.
Furthermore, it provides the required preparation to practicing the profession of Pharmacist in local and hospital settings and more generally in the consulting, dissemination and distribution of drugs.

What do you learn?

Master's Degree Single Cycle program, the graduate will acquire:

- An advanced methodological preparation that will provide the skills to design and synthesize new active compounds and to prepare and control pharmaceutical formulations;
- The ability to develop and apply protocols for the quality control of pharmaceuticals and healthcare products;
- The ability to supervise and manage industrial drug production facilities;
- The ability to analyze natural and synthetic compounds.

The training curriculum includes basic disciplines preparatory to understand the chemical and structural features of active molecules pharmaceutical forms, as well as to study their pharmacological activity.
The professionalizing courses include individual workshops for a total of one hundred and twenty hours.
Practical-professional training in public, private or affiliated hospital pharmacies is also expected.

What can you do with it?

Key Account Manager; Sales Manager; Researcher and technician in the fields of drug design, synthesis and production, both in the industrial and university fields; Responsible for quality controls in pharmaceutical industries; Pharmacist (Director, collaborator, Hospital); Pharma company salesperson; Operator in chemical and biological laborawtories; Analyst in chemical laboratories.
In addition, it is possible to deepen professional preparation with master, PhD courses and specialization schools.

The CTF degree is a qualifying course for the profession of Pharmacist, it is not required to pass an examination to be entered in the professional board of Pharmacists.
CTF graduates can take the qualification exam for the profession of Chemist and register in the relative professional board.

PHARMACY

(QUALIFYING FOR THE PROFESSION OF PHARMACIST)

CLASS LM-13 R
CAMPUS Caltanissetta, Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
France
Germany
Hungary
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree Single Cycle program provides the theoretical and practical preparation necessary to practice the profession of Pharmacist, in accordance with the requirements of Directive 85/432/CEE.
The Pharmacist must be prepared to perform the duties of a qualified multidisciplinary health worker who has completed scientific studies in the field of objectives of the national health service, redefined by the SSN in accordance under law 69/09.

What do you learn?

At the end of the Master's Degree Single Cycle program, the graduate will acquire:

- An advanced methodological preparation that will provide the skills to develop and control of pharmaceutical formulations;
- Knowledge of the effects of drugs and biotechnological medicinal products;
- Knowledge of the legislation regulating the marketing and distribution of healthcare products;
- The ability to analyze competition and conditions in the pharmaceutical market in order to manage production marketing;
- The ability to develop and apply protocols for the quality control of medicines and healthcare products;
- Knowledge of drug economics and drug utilization;
- Knowledge of biology, food science and dietetic products.

The training curriculum includes basic disciplines preparatory to understand the chemical and structural features of active molecules pharmaceutical forms, as well as to study their pharmacological activity.

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The professionalizing courses include individual workshops for a total of one hundred and twenty hours.
Practical-professional training in public, private or affiliated hospital pharmacies is also expected, for a total of nine hundred hours.

What can you do with it?

Pharmacist (Director, collaborator, Hospital); Pharma company salesperson; Researcher and technician in the fields of drug design, synthesis and production, both in the industrial and university fields; Responsible for quality controls in pharmaceutical industries; Trade Marketing Manager; Operator in chemical and biological laboratories. In addition, it is possible to deepen professional preparation with master, PhD courses and specialization schools.
The degree in Pharmacy is a qualifying course for the profession of Pharmacist, it is not required to pass an examination to be entered in the professional board of Pharmacists.

TECHNOLOGIES AND DIAGNOSTICS FOR THE CONSERVATION OF CULTURAL HERITAGE

CLASS L-43 R
CAMPUS Agrigento
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The course trains graduates to play a key role in the diagnostics, protection, conservation, and enhancement of cultural heritage.
Recognized under DM n. 244/2019 as "professionals qualified to perform interventions on cultural assets," the program focuses on the Expert in Diagnostics and Applied Sciences for Cultural Heritage (conservation scientist) at EQF level
This professional uses innovative technologies and scientific methods to analyze materials of artifacts and artworks, assess their preservation state, and develop conservation strategies.

The course prepares graduates to analyze and document the composition and degradation of cultural assets, contribute to diagnostic studies of materials, production techniques, and conservation status, and participate in monitoring, digitization, and data management.

Graduates master diagnostic techniques, linking degradation to conservation environments and assessing intervention effectiveness.
These skills enable planning of sustainable interventions that respect historical and artistic integrity while addressing authenticity and provenance issues.
The program also fosters interdisciplinary collaboration with restorers, art historians, and archaeologists, providing technical-scientific support through non-invasive diagnostics, digital technologies, and integrated approaches.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The training program offers a solid interdisciplinary foundation that integrates skills in chemistry, statistics, biology, and geology with methodological knowledge and core content from historical-archaeological and historical-artistic disciplines, construction sciences, and cultural heritage legislation.
Special emphasis is placed on cutting-edge technical and scientific knowledge, particularly regarding the material characteristics of cultural heritage, the properties of constituent materials, advanced instrumentation and technologies, archeometry methods, and protocols for acquiring and utilizing diagnostic data.
Graduates will acquire knowledge of the physical chemistry of materials, conservation techniques and materials, major archaeological and conservation challenges, as well as legislative and ethical standards relevant to various aspects of professional practice.
The program includes an English language proficiency certification and an internship at a public institution, research body, or private company.
For the final examination, students will prepare and discuss a project or research-based paper, which may include experimental or bibliographic work.

What can you do with it?

Graduates may pursue a Master's Degree in Conservation Science for Cultural Heritage, Technology for Cultural Heritage Conservation, or other scientific and technological fields related to heritage preservation, in accordance with DM 270/2004 and the requirements of individual universities and degree programs.
The Cultural Heritage Diagnostician is a highly specialized and versatile figure with opportunities in both the public and private sectors, in Italy and abroad.
Career prospects include roles in conservation, research, and cultural heritage management.
Experts in diagnostics can work for public entities involved in the protection, conservation, and promotion of cultural heritage, such as archaeological, artistic, or landscape superintendencies.
In the private sector, they can work for companies that develop diagnostic instruments, provide consultancy services to institutions, restorers, and private clients, or collaborate with cultural organizations and media to promote awareness of cultural heritage.
They may also work as researchers in universities and research centers, developing new diagnostic techniques or studying the materials and artistic techniques of the past.
Additionally, they can collaborate with organizations such as UNESCO, ICOMOS, or ICCROM for the preservation of cultural heritage in international contexts.

BIOMOLECULAR INDUSTRIAL BIOTECHNOLOGY

CLASS LM-8 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Portugal
Spain
Switzerland

What is the objective of the course? What is it?

The Master's Degree aims to train experts in applied research-based professional activities on the use of biotechnology.
Students will be able to work in laboratories where genetic engineering techniques are used, in biomedical or food control laboratories, in laboratories specialized on proteins, drugs and vaccines production.

What do you learn?

Students will learn modern technologies, such as genomics, proteomics, nanotechnologies and bioinformatics, complemented by chemicals knowledge useful for bioreactors industrial productions.
Students will acquire several skills to develop: specific experimental analysis methods and gene, genomes and proteins editing and recombination; genomic and proteomic analyses and use of molecular biosensors; bioinformatics methods to access different databases for data extraction and analysis; production, purification and analysis of biomolecules; use of microbial and animal models for the study of human diseases; application of biochemical processes for biopolymers and bioactive molecules production; critical analysis of biotechnology scientific articles.

What can you do with it?

The employment opportunities for graduates are: national and international universities and research centres, with the possibility to continue their training in specialization schools, second-level Master's Degree and research doctorate; companies specialized in biotechnological, biomedical, agri-food, pharmaceutical and environmental sectors; analysis laboratories; freelancer (subject to registration in the Biologists Register and/or the National Association of Italians Biotechnologists–ANBI);agenciesorcompaniesfor scientific dissemination and the specialized press; companies and bodies for quality certification.

FOOD SCIENCE AND HUMAN NUTRITION

CLASS LM-61 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Spain

What is the objective of the course? What is it?

The Master's Degree in Food Science and Human Nutrition (LM-61 R) prepares for the profession of Biologist, with specific training as a Nutrition Biologist In particular, the Master's Degree Course trains a professional figure aimed at carrying out, in the public and private sectors, activities aimed at the correct application of human nutrition and food.

What do you learn?

The Master's Degree in Food Science and Human Nutrition aims to provide the following skills:

- In-depth knowledge of food quality control and potential health risks;
- Ability to assess nutritional status, eating habits, and nutritional needs in different stages of life conditions of individuals and population;
- Ability to design nutritional plans for individuals and population groups at different ages or in physiological and pathological conditions;
- Training, education, and dissemination on nutritional quality and healthy lifestyles In particular: during the first year, students will deepen their knowledge in characterizing disciplines such as nutritional biochemistry, food chemistry, and pharmacology together with more clinical subjects such as gastroenterology and internal medicine.

The second year is mainly aimed at the study of eating disorders and hormonal control, nutritional analysis methodologies, nutrition in physiological and pathological conditions, and metabolic syndrome.
The second year also includes an internship to be carried out both in the university environment and in public and private companies affiliated with the University of Palermo, as well as the preparation of the Degree Thesis.

What can you do with it?

The Nutrition Biologist will be able to carry out his/her professional activity at: Agro-food sector companies (in the evaluation of the nutritional characteristics of raw materials, food products, functional foods, and bioavailability of nutrients and bioactive compounds) Food control laboratories with skills regarding food control and safety in the food processing and distribution chains Bodies responsible for labelling, Nutritional indications of foods, and The formulation of health claims.
Public and private health with the following skills: Evaluation of nutritional status, eating habits, and nutritional needs in individuals in different stages and conditions of life and population groups Nutrition and health: nutritional interventions for the prevention of diseases at the population and individual level.
Collaboration with other professionals in the management of nutritional aspects of specific pathologies (e.g. eating disorders, malnutrition in the elderly, etc.) Nutritional education.
Free profession with the following skills: Development of personalized nutritional programs and nutritional education interventions aimed at well-being and maintaining health (subject to registration with the Professional Order of Biologists).
Formulation of personalized nutritional plans in physiological and pathological conditions.

MOLECULAR BIOLOGY AND HEALTH

CLASS LM-6 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
Germany
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Germany
Spain
Portugal

What is the objective of the course? What is it?

The Master's Degree in Molecular Biology and Health builds upon undergraduate studies in biological sciences, equipping graduates to tackle biological challenges using advanced biomolecular techniques.
The program offers two distinct curricula: one centered on cellular and molecular biology and another emphasizing factors influencing human health.
Students acquire comprehensive knowledge of cellular, biochemical, and physiological processes in prokaryotes, eukaryotes, and humans, with a focus on homeostatic imbalances and health-related issues.
The training includes lectures, practical exercises, and an intensive experimental thesis in the second year, designed to enhance critical thinking and leadership skills.
Graduates are well-prepared for roles in research or health-related laboratories and are excellently positioned to pursue advanced studies, including PhD programs.

What do you learn?

The course emphasizes the normal functioning of organisms and the molecular, cellular, and organ-level causes of homeostatic imbalances.
Students can choose between two curricula: one focused on the cellular and molecular aspects of biology, and another emphasizing factors affecting human health.

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Graduates will be equipped to work in basic research laboratories or health-related sectors, such as environmental, nutritional, or pharmacological fields.
The program involves lectures, practical exercises, and self-study, with mandatory attendance for core subjects in fields such as BIO/06, BIO/09, BIO/10, BIO/11, and BIO/18.
During the second year, the program prioritizes thesis development, offering students extensive laboratory experience to enhance critical analysis, cultural competence, and leadership skills.
This Master's Degree Single Cycle also provides a strong foundation for pursuing advanced studies, including PhD programs.

What can you do with it?

Graduates in Molecular Biology and Health can pursue various professional roles thanks to their interdisciplinary training.
As researchers, they can contribute to significant and innovative discoveries in fields such as health biology, environmental science, and biotechnology.
Their skills encompass the scientific method, experimental design, and the collection, interpretation, and statistical analysis of data.
This role primarily involves working in public and private research institutes.
As nutritionists, they can design personalized dietary plans for individuals, considering specific pathophysiological conditions, or develop diets for groups such as school canteens, sports teams, hospitals, and nursing homes, tailored to the characteristics of the target population.
Their expertise includes nutrition biology, metabolic disorders, and the ability to assess human nutritional and energy needs.
They can work as independent professionals or in public and private institutions.
As science communicators, graduates can engage with health and wellness professionals, such as pharmacists, doctors, and herbalists, to disseminate scientific knowledge and promote technological innovation.
They can work in private companies focused on health and well-being, fostering a greater understanding of scientific advancements.
This diverse skill set enables graduates to excel in both professional practice and research, meeting the demands of various sectors.

THE SCHOOL OF MEDICINE

www.unipa.it/scuole/dimedicinaechirurgia/

BIOMEDICINE, NEUROSCIENCE AND ADVANCED DIAGNOSTICS

www.unipa.it/dipartimenti/bi.n.d.

PRECISION MEDICINE IN MEDICAL, SURGICAL AND CRITICAL CARE AREA

www.unipa.it/dipartimenti/me.pre.c.c.

HEALTH PROMOTION, MATERNAL-CHILD, INTERNAL AND SPECIALIST MEDICINE OF EXCELLENCE "G. D'ALESSANDRO"

www.unipa.it/dipartimenti/promise

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L/SNT3	Audioprothesic Techniques	PA
L/SNT3	Biomedical Laboratory Techniques	PA, TP
L/SNT3	Dental hygiene	PA
LM-46 R	Dentistry and Dental Prosthodontics	PA
L/SNT3	Dietistic	PA
L/SNT4	Health Care Assistance	PA
LM-41 R	Medicine and Surgery	PA, CL
LM-41 R	Medicine and Surgery, Technological Program	PA, CL
L/SNT1	Midwifery	PA, TP
L/SNT1	Nursing (in Italian language)	PA, AG, CL, TP
L/SNT1	Nursing	PA
L/SNT2	Orthoptics and Ophthalmological Assistance	PA
L/SNT2	Physiotherapy	PA
L/SNT4	Prevention Techniques in the Environment and Workplaces	PA
L/SNT2	Professional Education	PA
L/SNT2	Psychiatric Rehabilitation Technique	PA
L/SNT3	Radiology, Diagnostic Imaging and Radiotherapy Techniques	PA, TP
L/SNT2	Speech Therapy	PA
L/SNT3	Technics of Neurophysiopatology	PA

MASTER DEGREE

LM/SNT3	Diagnostic technical health professions sciences	PA
LM/SNT1	Health Profession of Prevention Sciences	PA
LM/SNT4	Health Professions Rehabilitation Sciences	PA
LM-9 R	Medical Biotechnology and Molecular Medicine	PA
LM-6 R	Neuroscience	PA
LM/SNT2	Nursing and Midwifery Sciences	PA

AUDIOPROTHESIC TECHNIQUES

(QUALIFYING FOR THE HEALTH PROFESSION OF AUDIOLOGIST)

CLASS L/SNT3
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Bachelor's Degree in Audioprothesic Techniques prepares students for a career as Hearing Aid Specialists.
Through this programme students acquire the following skills: interviewing the patient, testing the patient's hearing, analysing test results, selecting the appropriate hearing instrument, fitting and dispensing hearing aids to patients, verification of the fitting and patient follow-up.
They are also responsible for taking moulds of patients' ears and preparing or designing earmolds and other coupling systems.
Hearing Aid Specialists instruct clients on proper hearing aid use and perform procedures such as real ear measurements and cochlear implant mapping.

What do you learn?

This Bachelor's Degree aims to prepare students in the core subjects required for a comprehensive knowledge of audiology and hearing aid related topics such as: anatomy and physiology in which they learn the morphology and functional aspects of the ear and the hearing system; Acoustic physics; Materials science and technology; Data processing systems; Audiology; Otolaryngology; Audiometry and cochlear implants combined with wide ranging professional training gives students everything they need to take on the challenges of the job.
To complete their learning, students are also trained in other subjects: psychiatry, radiology, neurology, ear surgery, occupational medicine and business economics.

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What can you do with it?

Hearing Aid Specialists can work in the public and private sector, as employees or freelance.
They can complete their training with a Master's Degree Course of the same class (not yet available at other universities).
Professional training at other facilities during the course gives students the opportunity for direct contact with other hearing aid specialists who can assist them in finding employment.
They can liaise with colleagues in the field, scholarly journals, and professional trade organisations to ensure they are aware of relevant updates in audiology.

BIOMEDICAL LABORATORY TECHNIQUES

(QUALIFYING FOR THE HEALTH PROFESSION OF BIOMEDICAL LABORATORY TECHNICIAN)

CLASS L/SNT3
CAMPUS Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Belgium

What is the objective of the course? What is it?

The aim of this course is to train healthcare professionals in the technical-diagnostic area to enable them to acquire theoretical preparation and effective practical experience with the behavioural skills required to work in a team and for immediate entry into the job market.
Knowledge of the core disciplines gives Biomedical Laboratory Technicians (BLT) an understanding of the elements underlying the major human pathological processes.

Graduate BLTs will have acquired the ability to:
- Perform technical services independently, demonstrating an ability to work in a team with other professionals;
- Manage laboratory equipment and perform the predefined scientific analysis methods necessary to produce reliable and top quality results;
- Assess the correspondence between the services provided and indicators and reference standards;
- Manage the biological/chemical risk;
- Provide information on how to collect, transport and store biological materials;
- Participate in work planning and organisation.

What do you learn?

Theoretical lectures cover several thematic areas:
- Core sciences: chemistry, biology, biochemistry, physics, statistics, physiology, microbiology, pathology;
- Laboratory medicine sciences: clinical biochemistry, clinical microbiology, clinical pathology, pathological anatomy;
- Biomedical laboratory techniques: technical laboratory medicine sciences, clinical molecular medicine, informatics, molecular pathology;
- Clinical sciences: endocrinology, internal medicine, gastroenterology;
- Prevention and safety in laboratories: occupational medicine, imaging diagnostics and radiotherapy;
- Health management: ethics and history of medicine, psychology, business organisation.

Qualifying training activities take place in the diagnostic laboratories of public hospitals under the supervision of expert tutors, and in research laboratories.
At the end of the course, BLTs sit a final qualifying test for the profession of Biomedical Laboratory Technician.

What can you do with it?

Biomedical Laboratory Technicians (BLT) work in national health service hospitals and non-hospital laboratories.
They also work in similar private/affiliated facilities, in the Experimental Zooprophylactic Disease Institutes (IZS) and also freelance.
Specifically, they can work in:
- Clinical diagnostic laboratories: biochemistry, pathology, microbiology, pathological anatomy, immunology, haematology, transfusion services;
- Quality control laboratories in the biomedical field and the pharmaceutical industry;
- Regional environmental prevention and protection agency analysis and control laboratories;
- Manufacturing industries and laboratory diagnostics sector marketing agencies;
- University and non-university research biomedical sector laboratories.

Furthermore, BLT graduates can continue their studies in a Master's degree, I level Master's and Ph.Ds.

DENTAL HYGIENE

(QUALIFYING FOR THE HEALTH PROFESSION OF DENTAL HYGIENE)

CLASS L/SNT3
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

Training of a professional health technician capable of using methodologies and technologies of the dental field.

What do you learn?

Knowledge of the basic disciplines for the understanding of oro-dental pathologies, diagnostic means and the entire field of knowledge for the performance of relevant technical activities of the professional profile.

What can you do with it?

Activities in the public, private, social.

GENERAL INDEX
DEPARTMENT INDEX

DENTISTRY AND DENTAL PROSTHODONTICS

(QUALIFYING FOR THE DENTAL PROFESSION)

CLASS LM-46 R
CAMPUS Palermo
TYPE OF ACCESS Open semester
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Malta
Poland
Portugal
Turkey

What is the objective of the course? What is it?

The primary objective of the course is to train professionals who practice the full range of general dentistry with a holistic approach to oral health, both for prevention and cure.
The Master's Degree Programme provides 360 ECTS of which at least 90 are to be acquired in clinical activities, integrated with in-person teaching.

Graduates in Dentistry and Prosthodontics can practice as dentists both in private practice and within the National Health Service.

What do you learn?

Some fundamental learning that the Master Degree Single Cycle Programme covers includes:

- Anamnestic assessment of patients, with particular attention to diseases that may affect oral tissues and/or be relevant to the definition of a treatment plan;
- Clinical examination of the oral cavity and the stomatognathic system;
- Diagnosis of congenital and acquired diseases of teeth, oral mucosa, jaws, temporomandibular joints and related tissues;
- Oral disease prevention for individuals and populations;
- Therapy of congenital and acquired diseases of teeth, oral mucosa, jaws, temporomandibular joints and related tissues, as well as oral rehabilitation;
- Prescription of drugs and devices for the treatment oral diseases;
- The educational offer of the Master Degree Single Cycle Programme also includes the study of courses in the Bio-Medical and Medical areas.

Preclinical and clinical internship participation is also mandatory.
Undertaking the Practical Evaluative Apprenticeship within the curriculum means that you will qualify as a Professional Dentist alongside your degree studies and examinations.

What can you do with it?

Graduates in Dentistry and Prosthodontics have career opportunities in private dental practice, in clinics, in single and poly-medical facilities, as well as in those affiliated with or accredited by the Regional Health Service.
Career opportunities are also available, according to current legislation, by the facilities of the National Health Service, including hospitals.

Graduates may also work in Universities and Research Centres (public or private) in the fields of clinical, biomedical and material research.
Graduates of this Master's Degree Single Cycle programme also develop the learning skills necessary for postgraduate specialisation and further training (Masters, PhD and Specialty programmes).

DIETISTIC

(QUALIFYING FOR THE HEALTH PROFESSION OF DIETICIAN)

CLASS L/SNT3
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
France
Portugal
Spain

What is the objective of the course? What is it?

Graduates in Dietetics are, in accordance with Law No. 251 of August 10, 2000, (L. 251/2000), practitioners of the health professions in the technical-health area who carry out, with professional autonomy, activities directed toward the prevention, treatment and protection of individual and collective health.

The areas of competence of the dietitian are:

- Organizes and coordinates specific activities related to nutrition in general and dietetics in particular;
- Collaborates with the bodies in charge of the protection of the hygienic and sanitary aspect of the food service;
- Elaborates, formulates and implements the diets prescribed by the doctor and monitors their acceptability by the patient;
- Collaborates with other figures in the multidisciplinary treatment of eating disorders;
- Studies and works out the composition of food rations suitable to meet the nutritional needs of population groups and plans the organization of community feeding services of healthy and sick people;
- Carries out didactic-educational and information activities aimed at the dissemination of principles of proper nutrition such as to enable the recovery and maintenance of a good state of health of the individual, communities and population groups;
- Carries out his or her professional activity in the public or private sphere.

What do you learn?

The curriculum of the Degree Course, which can be downloaded here (https://offertaformativa.unipa.it/offweb/public/corso/visualizzaCurriculum.seam?cid=19060&oidCurriculum=22985) is organized in six semesters and includes theoretical-practical teachings through lectures, tutorials, teaching laboratories and seminar activities concerning basic and clinical disciplines; internships of the specific professional field, in the clinical field, in the field of catering for school canteens, nursing homes, etc.
The basic disciplines are essentially concentrated in the first year of the course and ensure the acquisition of the cognitive tools necessary to develop the training that will continue in the following years through the characterizing disciplines.
The latter are centered on the objectives of providing cultural elements aimed at understanding the different clinical settings in which nutritional intervention takes shape, to the understanding and organization of dietary treatment and prevention through nutritional intervention, including the description and understanding of the social and relational dynamics both with the patient and among the different professionals who contribute to the well-being of the individual patient or particular population groups.
The mandatory internship allows the student to explore specific and professionalizing techniques in a different context than classroom activities.

What can you do with it?

Graduates in Dietetics, referred to as Dietitians, are health professions professionals who carry out, with professional autonomy, activities directed toward the prevention, treatment and protection of individual and collective health, implementing the provisions of the regulations concerning the identification of the figure and the relevant professional profile defined by decree of the Ministry of Health.
They use scientific principles and methodology in the study of nutrition and apply these findings to their profession.
They are competent in all aspects of human nutrition with reference to the state of health and well-being.
Dietitians organize and coordinate specific activities related to nutrition in general and dietetics in particular; they cooperate with the bodies responsible for the protection of the hygienic and sanitary aspect of the nutrition service; they elaborate, formulate and implement the diets prescribed by the doctor and monitor their acceptability to the patient; collaborate with other figures in the multidisciplinary treatment of eating disorders; study and elaborate the composition of food rations to meet the nutritional needs of population groups and plan the organization of nutrition services of healthy and sick communities; carry out didactic-educational activities.

HEALTH CARE ASSISTANCE

(QUALIFYING FOR THE HEALTH PROFESSION OF HEALTHCARE ASSISTANT)

CLASS L/SNT4
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Bachelor's Degree in Health Care Assistance aims to train health workers with the scientific and technical knowledge required to carry out the profession of Health Assistant Technicians responsibly.
The AS is responsible for prevention, promotion and health education.
The Health Assistant Technicians could work in public and private structures, identifying health needs and preventive, educational and recovery intervention priorities.
In particular, the Health Assistant Technicians can organize vaccination campaigns according to national and regional programs, carry out vaccination sessions, organize cancer screening campaigns, manage health surveillance for the prevention of infectious diseases, deliver personalized advice on preventive measures for travellers, collect data in epidemiological studies on the main risk factors for contagious, oncological, and chronic-degenerative diseases; perform community supervision and control activities, collaborate on national lifestyle research projects and act as a consultant in court.

What do you learn?

The Bachelor's Degree includes frontal lessons and professionalizing internship activities, with compulsory attendance.
The frontal lessons are on defined thematic areas, as follows:

- Biomedical sciences (Biochemistry, Biology, Histology with elements of anatomy, Physiology, Microbiology, Pharmacology and Hygiene);
- Preliminary and interdisciplinary sciences (Psychology, Sociology, Hygiene and Social Statistics);
- Medical Surgical Sciences and Health Care Sciences (Internal Medicine, Infectious Diseases, Pediatrics, Gynecology and Obstetrics, Epidemiological Methodology, Applied Medical Techniques, Nursing and Neuropsychiatric and Rehabilitation Techniques, Applied Dietary Techniques Sciences, and Nursing Techniques, Neurology and Physical and rehabilitative medicine).
  The course is completed with subjects such as Public Law, Forensic Medicine, Occupational Medicine, Protection, and specific programs of radiation protection.

The practical training activities carried out in the field of public health (in prevention, epidemiology, health promotion, communication, organization, and health planning) are particularly important.
At the end of the studies, the student will take a final test that qualifies him/her to practice the profession.

What can you do with it?

Graduates can be employed in Departments and National Health Service Structures such as Prevention Departments, Hygiene and Public Health Services, Vaccination Services, Birthing centers, Consultants for Foreigners, Health Education Services for Preventive and Community Medicine, Occupational Medicine, Sports Medicine, Food Hygiene and Nutrition Service, International Vaccinations Centre-Travel Medicine, Hospital Health Management, Epidemiology and Research Unit, Prevention and Research Institutes oncology field, prisons.
Graduates can continue their studies by accessing the master's degree courses currently available at other universities located throughout the national territory.
I and II-level university master's degrees are available at the regional level.

MEDICINE AND SURGERY

(QUALIFYING FOR THE MEDICAL PROFESSION)

CLASS LM-41 R
CAMPUS Caltanissetta, Palermo
TYPE OF ACCESS Open semester
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Czech Republic
France
Germany
Poland
Portugal
Romania
Slovenia
Spain

What is the objective of the course? What is it?

This Master's Degree Single Cycle in Medicine and Surgery prepares students for the medical surgeon profession.
Medical surgeons treat and cure the most common and prevalent dysfunctions, diseases and lesions in the population; develop and implement early diagnosis of serious diseases in patients at risk; prescribe drugs and non-drug treatments, clinical examinations for diagnosis, hospital admission and specialist visits; monitor the course of diseases and their treatment; demand and implement preventive measures for patients or the organisations they work in.

What do you learn?

The Medicine and Surgery Master's Degree Single Cycle programme includes the study of bio-medical and medical subjects, as well as a thorough knowledge of English and psychology based on a medical-patient approach.
Attendance at preclinical and clinical internships is mandatory.
Practical evaluation internships in the medical area for the state exam (TPVES) within the curricular course of the Master's Degree in Medicine and Surgery allow students to achieve a degree in medicine and a full license to practice medicine at the same time.

What can you do with it?

Career opportunities for graduates in Medicine and Surgery are offered by:
- Universities and research centres;
- Hospitals and specialist national health system centres;
- Public and private clinics,
- national and international health and humanitarian organisations.

A Master's Degre Single Cycle e is also a requirement for admission to Medical Speciality Schools.

MEDICINE AND SURGERY, TECHNOLOGICAL PROGRAM

MEDIT
(QUALIFYING FOR THE MEDICAL PROFESSION)

CLASS LM-41 R
CAMPUS Caltanissetta, Palermo
TYPE OF ACCESS Open semester

What is the objective of the course? What is it?

The specific educational objectives that characterize the Master's Degree Single Cycle in Medicine and Surgery with a Technological focus (MED-IT) are to train a professional figure of Medical Surgeon (with the possibility of simultaneously obtaining a degree in Biomedical Engineering, taking an additional 40 CFU distributed over 5 Area 09 courses, starting from the second year of the course) with a wealth of skills enriched with the acquisition of knowledge and methodological and technological capabilities specific to engineering. The MED-IT graduate will be able to tackle, analyze and solve problems of medical-biological interest with innovative methodologies. In line with these objectives, the MED-IT Degree Course is characterized by a balanced vertical and transversal integration between the basic sciences, which must be broad and include knowledge of evolutionary biology, molecular biology, genetics and biological complexity knowledge of pathological processes and the mechanisms that cause them, with particular attention to individual variability and gender differences; the methodology and clinical medical practice, which must be sound and based on extensive use of professionalized tutorial-type teaching; the acquisition of scientific, medical, clinical and professional methodology, based on evidence, addressed to the health problems of the individual and the community; the technologies used in the clinical setting, necessary for the effective and safe use of instrumentation and implants; biomedical instrumentation and implants aimed at diagnosis and patient care.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The graduate must be able to gather information from the patient and know how to interpret it, know how to make clinical decisions that lead to a correct diagnosis and targeted therapeutic interventions, also and through the expert use of technology, to which he/she will have been able to contribute in specific application development. His decisions must be deduced from the best clinical practices, the correct application of technology, and scientific evidence, without forgetting the needs of the patient and the requirements of the healthcare system of the country in which he works.
His or her clinical activity must therefore be based on extremely up-to-date knowledge, must be ethical and capable of ensuring the efficient use of the resources available; on the other hand, it must be conducted in close 'collaboration-sharing' with the patient and his or her family and with the other members of the intra-professional-inter-professional team.
Thanks to the contribution of the biomedical engineering courses, the master's graduate will also be able to solve methodological and technological problems in the physiological and clinical fields, to deal with analysis and modelling of biosignals and bioimaging and with medical robotics and computational biomechanics, and to use appropriate medical software for diagnostic assistance, including those based on Artificial Intelligence.

What can you do with it?

The degree course trains an innovative professional figure in an actively growing sector that offers graduates new opportunities to enter the world of work.
In particular, the course aims to integrate the medical doctor's cultural education, training professional figures with strong interdisciplinary skills in the fields of biomaterials engineering, biomechanics, information, hardware and software technologies, bioscience and regenerative medicine, biomedical devices (mechanical, electronic, robotic), as well as the testing, maintenance and programming of equipment used in healthcare facilities.
An integral part of the training pathway is the professional/qualifying internship, both within the University Hospital and externally, at numerous healthcare and hospital facilities, as well as at general practitioners affiliated with the University, in collaboration with the Provincial Associations of General Practitioners.
The main job outlets are represented by the positions available at the NHS health facilities and hospitals; universities and research centers; health service management bodies; national health organization's; companies in the pharmaceutical, biomedical and biotechnological sectors; territorial and service medicine; and health area specialization schools.

MIDWIFERY

(QUALIFYING FOR THE HEALTH PROFESSION OF MIDWIFE)

CLASS L/SNT1
CAMPUS Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Slovenia

What is the objective of the course? What is it?

The Bachelor's Degree in Midwifery aims to train midwives, able to carry out with professional autonomy activities aimed to the prevention, care and protection of individual and collective health, women and families.
To this end, the course identifies the specific training paths of the midwife profession.
The achievement of professional skills is obtained through theoretical and practical training.
Particular importance is given to the practical and clinical training activity, through the supervision and guidance of high-level professional tutors.

What do you learn?

Graduates in Midwifery will acquire the skills of the professional profile: to Assist and advise women during pregnancy, childbirth and puerperium; Conduct and complete eutocic births and provide assistance to the newborn; Participate in health and sexual education interventions both within the family and in the community; Participate in psycho-prophylactic preparation for childbirth; Participate in preparation and assistance for gynecological interventions; Participate in the prevention and assessment of tumors of the female genital sphere.
Participate in assistance programs for the mother and newborn; Participate in health and sexual education interventions both within the family and in the community; Manage, as members of the health team, in compliance with professional ethics, care interventions within their competence; Identify potentially pathological situations that require medical intervention and practice, where necessary, the related measures of particular emergency; Carry out their activity in health facilities.

GENERAL INDEX
DEPARTMENT INDEX

The training path provides adequate preparation in basic disciplines, such as to allow them both the best understanding of the processes to which their preventive and therapeutic intervention is aimed, and maximum integration with other professions.

What can you do with it?

Graduates in Midwifery are healthcare professionals responsible for:

- Management of maternal and neonatal physiology;
- Ability to diagnose potentially pathological situations concerning pregnancy, childbirth and the puerperium and the consequent ability to collaborate with the gynecologist specialist;
- Ability to undertake measures and provisions in the event of an emergency, while waiting for medical intervention and/or transfer to a suitable facility (STAM: Assisted Maternal Transport-STEN: Neonatal Emergency Transport);
- Conducts and completes eutocic births with their own responsibility and provides assistance to the newborn;
- Management of health and sexual education interventions both within the family and the community;
- Psychoprophylactic preparation for childbirth;
- Preparation and assistance for gynecological interventions;
- Prevention and assessment of tumors of the female genital sphere;
- Maternal and neonatal assistance programs.

Skills: Private Practice Area, Public and Private Health Companies (delivery room, operating room, hospital wards, gynecological clinics, pregnancy and full-term pregnancy clinics, prenatal diagnosis clinic, activities at Family Counseling Centers).
Outcomes: Access Master's Degree; Professional activity in public or private health facilities, as an employee or freelancer.

NURSING IN ITALIAN LANGUAGE

(QUALIFYING FOR THE HEALTH PROFESSION OF NURSE)

CLASS L/SNT1
CAMPUS Agrigento, Caltanissetta, Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Spain

What is the objective of the course? What is it?

Graduates of the Bachelor's Degree will possess an adequate preparation in the basic disciplines, such as to allow them an optimal understanding of the phenomena underlying the physiological and pathological processes towards which their preventive and therapeutic intervention is directed.
They must also be able to use at least one European Union language, in addition to Italian.
They must also achieve the professional skills related to the professional profile identified by provision of the competent ministerial authority.

Particularly important, as an integral and qualifying part of professional training, is practical clinical training and internship under the supervision and the guidance of dedicated tutors coordinated by the director of professionalizing activities.
Objectives:

- Provide the knowledge necessary to understand the biological and physiological phenomena underlying the normal functioning;
- Provide knowledge necessary to understand the etiopathogenesis, physiopathology, clinical-instrumental diagnosis of human pathology;
- Provide the theoretical and technical-practical skills adequate for the prevention of the main human pathologies;
- Provide the student with the theoretical and technical-practical skills adequate to allow the performance of the care tasks envisaged by the professional profile of the nurse.

Provide the student with the theoretical and technical-practical skills adequate in the field of Forensic Medicine, Professional ethics.

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DEPARTMENT INDEX

What do you learn?

Graduates must have the ability to understand the organic complex of knowledge obtained with a systematic process of acquisition of the same, in order to arrive at a precise description of the laws according to which phenomena occur, therefore through the experimental observation of a natural event, the bibliographic research, the use of databases and other sources of information and the collection and interpretation of data in the nursing field considered useful to determine autonomous judgments, including reflection on social, scientific or ethical issues related to them.
The acquisition of this ability will be assessed through: the discussion of clinical cases with relative verification of the topics covered.
Communication skills:Graduates must be able to communicate information, ideas, problems and solutions; the ability to adapt one's relational style to healthcare situations and within the team, according to the situation and needs that arise.
These skills are assessed through work activities in a multidisciplinary team and final report.
Learning ability:Graduates must possess the theoretical and practical skills necessary for the practice of the profession of Nursing acquired during the training course of the course of study.
The skills acquired must allow the graduate not only to be able to continue and deepen his knowledge in the field of Nursing through updating and continuous training.
These skills are assessed through ongoing tests, thesis writing and final exam.

What can you do with it?

Pursuant to the law of 10 August 2000, n. 251, article 1, paragraph 1, graduates of the Nursing Degree Course, are health professionals in the area of nursing sciences who carry out activities with professional autonomy for the prevention, treatment and protection of individual and collective health, carrying out the functions identified by the professional profile 739/94 as well as the deontological codeand using planning methodologies for assistance objectives in the evolutionary , adult and geriatric age.
Graduates of the degree course in Nursing will carry out their professional activity in a very broad territorial context: public or private health facilities, territorial facilities, home assistance, as employees or freelance.
They will contribute to the training of support staff and will directly contribute to the updating of their professional profile and research.
They can continue their studies in the Master's Degree in Nursing and Midwifery Sciences, or to the Master's Degree in Nursing and Health available in Italy or in other European Union countries.

NURSING

(QUALIFYING FOR THE HEALTH PROFESSION OF NURSE)

CLASS LSN/T1
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
China
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Serbia
Spain

What is the objective of the course? What is it?

Graduates in Nursing, in English, will be equipped with adequate preparation to allow them both an optimal understanding of the pathophysiological processes towards which their preventive and therapeutic intervention is aimed, and maximum integration with other professionals in the field in Italy, in Europe and beyond.
They will have to be able to use the English language adequately (level B2 of the CEFR) to interact within an international context, in the specific area of the professional skills acquired.

The achievement of professional skills will be obtained through theoretical-practical training that also and above all includes the acquisition of behavioral and ethical skills in the work context, such as to guarantee, at the end of the training course, full mastery of all the necessary skills and their immediate practical application in the Italian and foreign work environment.
Of particular importance, as an integral and qualifying part of professional training, is the clinical-practical training activity and internship, which will be carried out at the IRCCS-ISMETT with the supervision and guidance of specifically dedicated English-speaking tutors and coordinated by the director of professionalizing activities.
Specifically, the course of study will be divided into three years, including 6 semesters, in which the acquisition of 180 CFU is expected.

What do you learn?

The 1st year of the course is aimed at providing biomedical knowledge and the fundamentals of the professional discipline as requirements for the internship.

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DEPARTMENT INDEX

During the 2nd year, the pathophysiological, pharmacological and clinical-assistance knowledge will be acquired to address the most common medical problems in the internal medicine and surgical fields through interventions aimed at the diagnosis and management of the acute and chronic phase of the disease.
During this path, the student also acquires knowledge and skills related to nursing care in the medical, surgical and rehabilitative fields.
Training activities are also planned aimed at developing methodological skills to understand scientific and nursing research.
The 3rd year is aimed at specialist in-depth study and the acquisition of methodologies inherent to professional practice and the ability to work in a team; professionalizing skills will be acquired in the maternal-infant field and in the emergency-urgency area.
The relational skills necessary to interact with the person assisted, the caregivers, will be developed through the teachings of human sciences and psycho-pedagogical sciences.
In addition to the classroom teaching activity in English, there is a parallel guided internship path, also divided into three years, in which the student, supported by an English-speaking clinical tutor, learns and applies the interventions aimed at planning nursing work.

What can you do with it?

The nurse is the healthcare worker responsible for preventive, curative, palliative and rehabilitative nursing care.
The main functions are disease prevention, assistance to the sick and disabled of all ages and health education in Italy and abroad.
Graduate nurses from the degree course in Nursing will carry out their professional activity in a very broad territorial context: public or private health facilities, territorial facilities, home care, as an employee or freelancer.
They will contribute to the training of support staff and will directly contribute to the updating related to their professional profile and in the field of research.
Studies can be continued with access to the Master's Degree in Nursing and Midwifery Sciences, or to the Master Degree in Nursing and Health available in Italy or in other European Union countries.

ORTHOPTICS AND OPHTHALMOLOGICAL ASSISTANCE

(QUALIFYING FOR THE HEALTH PROFESSION OF ORTHOPTIC)

CLASS L/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

This Bachelor's Degree Course in Orthoptics and Ophthalmological Assistance aims to train orthoptist-ophthalmology assistants.
The Bachelor Degree Course's educational modules are designed to give students an adequate mastery of general scientific methods and contents, as well specific professional knowledge in the area of science orthotics.

What do you learn?

The Bachelor's Degree Course's educational modules are designed to give students an adequate mastery of general scientific methods and contents and specific professional knowledge in science orthotics.
These activities include both in their core aspects and through disciplines characterising in relation to the specific objectives of the degree course, teachings and activities in the field of preparatory, biological and psychological sciences, orthoptics and ophthalmology, medical-surgical assistance, prevention and health services, clinical interdisciplinary, health management, interdisciplinary, human and psycho-pedagogical sciences.

What can you do with it?

Orthoptists treat motor and sensory vision disorders and perform clinical-instrumental semeiology technique ophthalmology.
They are responsible for the evaluation and rehabilitation of strabismus and amblyopia.
They assist ophthalmologists in the diagnostics and surgical correction fields.
They can work in territorial health units or hospitals, private or accredited nursing homes, private eye doctors' studios or as consultants, ONLUS operating regionally and nationally.
They can work as freelance professionals independently of competences.
An Orthoptics degree gives graduates access to the specialist degree in Rehabilitation Sciences in the Health Professions course.

PHYSIOTHERAPY

(QUALIFYING FOR THE HEALTH PROFESSION OF PHYSIOTHERAPIST)

CLASS L/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Spain

What is the objective of the course? What is it?

This Bachelor's Degree is designed for physiotherapist scientific and professional training (DM no. 741/94 - Professional Profile of the Physiotherapist), a graduate professional dealing with recovery from pathological conditions concerning motor impairment, from strictly physical features to the psychomotor and cognitive domains, managing patients at all ages (from newborns to the elderly).
Physiotherapists autonomously apply therapeutic activity to the functional re-education of motor, psychomotor and cognitive disabilities using therapeutic exercise, physical, manual, massage and occupational therapies.
They plan the timing of application of the various techniques, consider indications and contraindications and verify the appropriateness of the rehabilitative methodology chosen to the final functional recovery goal.
The course's priority is the theoretical/practical study of rehabilitation sciences and physiotherapy, performed through lectures, exercises, teaching laboratories and professional training in the rehabilitation of the musculoskeletal, neuromotor, respiratory and visceral cardio apparatus in all age groups. 19 integrated course are distributed over 3 years, divided into semesters, with 3 integrated internships for a total of 180 ECTS.
To graduate students have to pass all course exams and a final test with a qualifying examination and dissertation.
Exams take place in 3 sessions x year, each with 3 different examination dates.

What do you learn?

The Bachelor's Degree aims to structure the methodological path in the physiotherapy-rehabilitation field, and in particular to teach how to perform an assessment of the function, how to identify the lesion and formulate a correct treatment program in the various pathological conditions to achieve the functional recovery objectives.
Based on clinical reasoning, the student is trained to: choose the most suitable rehabilitation-physiotherapy technique and use highly specialized therapeutic approaches, including manual, physical, occupational therapies and therapeutic exercises based on scientific and clinical evidence criteria; verify the applied rehabilitation methodology.
It also aims to deepen the adoption of prostheses and aids, train in their use and verify their effectiveness.
Knowledge is acquired in the disciplines of Physics, Biology and Biochemistry, Psychology and Pedagogy, Human Anatomy and Physiology.
The study of the main diseases of interest for rehabilitation is deepened, with particular reference to pathologies in the cardiovascular, pneumological, orthopedic-traumatological, neurological fields, etc., both in developmental age and in adulthood.
In the disciplinary field of Prevention, the objective is to provide data on the basic concepts of epidemiology, public health and essential elements of corporate organization with particular reference to the field of health services.

What can you do with it?

Physiotherapists work in public, private-accredited or private health facilities in an employment or freelance capacity.
Existing laws allow them to work in individual or associated professional studies.
Physiotherapy graduates generally find work within one year of graduation and can continue their studies to obtain a master's degree in rehabilitation health professions.

PREVENTION TECHNIQUES IN THE ENVIRONMENT AND WORKPLACES

(QUALIFYING FOR THE HEALTH PROFESSION OF ENVIRONMENTAL AND WORKPLACE PREVENTION TECHNICIAN)

CLASS L/SNT4
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Course of Study in Prevention Techniques in the Environment and Workplaces aims to train health workers with the scientific and technical knowledge necessary to responsibly carry out the function of the profession of Prevention Technician, that is, prevention, training, verification and control activities in the field of hygiene and safety in the workplace, environmental protection, public, veterinary and food hygiene and health.

The Prevention Technician carries out activities in the following areas: environmental safety (sampling from environmental matrices, monitoring of automatic detection networks, verification of the production and marketing of cosmetics, verification of phytosanitary products); safety at work (drafting of the Risk Assessment Document and the Operational Safety Plan, sampling of dust or airborne substances, detection of microclimate, noise and brightness); food safety (development of self-control plans based on HACCP principles, food sampling, management of the animal health registry, formulation of opinions on the Registration of Food Businesses, management of health emergencies and alert states and management of emergencies concerning feed).

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DEPARTMENT INDEX

The Degree Course includes lectures and practical internship activities with mandatory attendance.
At the end of the studies, the student will take a final exam qualifying them to practice the profession.

What do you learn?

The course includes frontal lessons, and professional training experience gained in public facilities.
The frontal lessons concern different thematic areas in the context of:

- Basic sciences (Chemistry, Biology and Genetics, Biochemistry, Histology with elements of Human Anatomy and Human Physiology);
- Prevention (Internal Medicine, Infectious Diseases, Microbiology, Epidemiological Methodology, Hygiene and Occupational Medicine);
- Environmental safety (Applied Physics, Environmental Technical Physics, Environmental Health Engineering, Applied Medical Sciences and Techniques);
- Occupational safety (Radiology and Radioprotection, Pharmacology, Occupational Safety, Biological Risk, Applied Medical Sciences and Techniques);
- Food security (food chemistry, food science and technology, food hygiene, inspection of food of animal origin, applied medical sciences and techniques) The bachelor's degree Course completes the training in General Sociology, Labour Law and Legal Medicine.

The practical training experience at the Prevention Department of Palermo is significant.

What can you do with it?

At the end of the course, the student obtains a degree that qualifies him/her for the Environmental and Workplace Prevention Technician profession.
After graduation, the Prevention Technician can work in Public Health Facilities and the private sector as an employee or consultant in food safety, safety in the workplace, environmental safety, and as a Technical Consultant for the Court.
He or she can also operate as a freelancer.
The student can also continue his or her studies by accessing the master's degree course in "Sciences of the Healthcare Professions of Prevention" available at other universities in Italy and by attending the I Master level at the regional level.

PROFESSIONAL EDUCATION

(QUALIFYING FOR THE HEALTH PROFESSION OF PROFESSIONAL EDUCATOR)

CLASS L/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The mission of the Bachelor's Degree in "Professional Education habilitating to the Health Profession of Professional Educator" is to train highly qualified personnel with specialized biomedical and psychosocial knowledge capable of working in prevention, care and habilitation/rehabilitation. Different teachings will be delivered during the course, of which a good part will be divided into modules.

These, thanks to the complementarity and/or affinity of the topics covered, will make it possible to address and provide all the knowledge about key topics of the training pathway of the Health Professional Educator, which will be divided into the following disciplinary areas:

- Biomedical and health area;
- Psychological and sociological area;
- Area of social health professional education;
- Interdisciplinary linguistic and computer area.

The CdS will prepare students to become Professional Educators, i.e., social/health workers capable of implementing specific care and rehabilitation projects aimed at balanced personality development in a context of participation and recovery in daily life and the positive psychosocial integration or reintegration of complex individuals.

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DEPARTMENT INDEX

What do you learn?

The Bachelor's Degree will provide, to learners, the valuable tools to develop different skills including: designing, managing and evaluating rehabilitative interventions; identifying interventions aimed at wellness helpful in preventing the onset of possible diseases; planning and managing the rehabilitation processes underlying the recovery of patients with addiction problems and suffering from disabling neurological pathologies; acquiring the skills helpful in coping with the needs of users with chronic pathologies; know how to evaluate the effectiveness of therapeutic strategies aimed at the treatment of diseases of the geriatric and pediatric age; work in the social and family contexts of patients with the disease, in order to facilitate their reintegration into their community; acquire the skills necessary to implement secondary and tertiary prevention interventions; contribute to the training of students and the training of support staff and contribute directly to the updating related to their professional profile.
The maturation of these student skills will be achieved by taking care of, through face-to-face teaching, transmitting a wealth of theoretical knowledge and emphasizing design aspects and operational issues in exercises and project writing during internships.

What can you do with it?

The Professional Educator carries out his or her activities in a dependent or freelance capacity in the public and/or private social sector.
Specifically, he or she works at the Provincial Health Authorities in services that offer health care of an outpatient nature (services for pathological addictions to and without substances, mental health centers, first reception centers, etc.); daytime (socio-educational centers, rehabilitative day hospitals, psychiatric day centers, integrated day centers, youth aggregation centers); residential (socio-rehabilitative therapeutic communities, assisted health residences, psychiatric communities, communities for people with disabilities).

Moreover, obtaining the degree would allow for further education by enrolling in Master's Degree Programs (CdLM), such as the one in Rehabilitation Sciences of Health Professions, rather than participating in different Master's degrees (Methods and Techniques of Cognitive and Behavioral Rehabilitation, Health Management, Clinical Applications in Pediatric Psychology, etc.) and PhDs (Health Sciences and Technologies, Social Sciences, etc.) in the field of professional care and rehabilitation.

PSYCHIATRIC REHABILITATION TECHNIQUE

(QUALIFYING FOR THE HEALTH PROFESSION OF PSYCHIATRIC REHABILITATION TECHNICIAN)

CLASS L/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Spain

What is the objective of the course? What is it?

Acquire the competences needed to understand the structural and anatomic organisation of the central nervous system and of the relevant biological, neuro-chemical and physiological phenomena;

- Know the fundamental traits of psychological development and family dynamics;
- Understand the etiopathogenesis, physiopathology, diagnostics and symptoms of the principal mental disorders of childhood, adolescence and adult age;
- Know the main psychodiagnostics tools and the most common rating scales;
- Know the fundamental traits of both pharmacological and psychotherapeutic psychiatric care;
- Understand the basic principles, the underlying theories, the models, techniques and intervention strategies of psychiatric rehabilitation;
- Acquire the ability to design tailor made rehabilitation interventions and their evaluation procedures;
- Understand the basic principles of mental hygiene and of the prevention of psychic disease in various life contexts;
- Acquire appropriate knowledge of the regulations related to psychiatry and to the organisation of mental healthcare services.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The Bachelor's Degree in Psychiatric Rehabilitation Technician provides 180 total university training credits (CFU), divided into three years of course, of which at least 60 to be acquired in training activities aimed at the maturation of basic, class-specific and specific professional skills (internship), divided into basic, characterizing and related activities.
Basic (core) activities concern the study of preparatory and introductory subjects, necessary for the achievement of basic knowledge relating to biological, biochemical and physiological phenomena and to the main functioning mechanisms of organs and systems.
Class-specific activities consist of teachings relating to prevention, diagnosis and therapeutic-rehabilitative interventions in the field of psychiatric pathologies, with attention to the study of psychological, pharmacological and legal medical aspects.
In addition, knowledge of health management issues is provided.
The related activities allow to deepen the study of disciplines related to the field of psychiatric rehabilitation, according to a multi-disciplinary approach to mental illness.

What can you do with it?

Area of the profession

- Social welfare structures in the public and private sectors;
- Psycho-social centres;
- Rehabilitation therapy centres;
- Therapeutic communities;
- Lodging houses;
- Residences for the elderly;
- Drug addiction services.

RADIOLOGY, DIAGNOSTIC IMAGING AND RADIOTHERAPY TECHNIQUES

(QUALIFYING FOR THE HEALTH PROFESSION OF MEDICAL RADIOLOGY TECHNICIAN)

CLASS L/SNT3
CAMPUS Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
France

What is the objective of the course? What is it?

The objective of this Bachelor's Degree is to train professional Medical Radiology Technicians (TSRM) as health workers with solid core and practical knowledge in the field of diagnostic imaging and radiotherapy sciences and techniques, and capable of responsibly carrying out activities relating to diagnostic procedures, radiodiagnostics, radiotherapy, nuclear medicine and health physics in their areas of competence.

What do you learn?

Teaching activities include lectures and professional training carried out in public and private facilities.
Its integrated teaching courses are held by one or more teachers relating to the specific objectives of the course and include core sciences, prevention and safety disciplines.
Great space is provided for training on radiological, nuclear medical and radiotherapy imaging techniques and equipment, image processing and archiving systems.
Training is completed with professional management skills and other disciplines such as medical oncology, orthopaedics and odonstomatology.

What can you do with it?

Employment opportunities for graduates in medical radiology techniques for imaging and radiotherapy are: diagnostic imaging and radiotherapy departments and services operating national health system hospitals and similar private structures; production industries operating in the diagnostic imaging and radiotherapy fields.
Professionals can carry out all interventions requiring the use of both artificial and natural ionizing and non-ionizing radiation, on medical prescription.
They participate in the programme and organisation of work in the field of the facility they work in and in accordance with their skills.

SPEECH THERAPY

(QUALIFYING FOR THE HEALTH PROFESSION OF SPEECH THERAPIST)

CLASS L/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planend
SEAT OF INTERNATIONAL AGREEMENTS
Spain

What is the objective of the course? What is it?

The Bachelor's Degree Program in Speech Therapy enables students to obtain the title of Doctor in Speech Therapy and has professional qualification value for practicing as a Speech Therapist.
It trains healthcare professionals with the scientific, technical, and rehabilitative knowledge necessary to carry out prevention, assessment, and treatment of communication, language, and swallowing disorders across all age groups, in accordance with the Ministry of Health's Decree No. 742/94, Law No. 42/99, and Law No. 251/2000.
The program aims to structure the methodological path in the field of speech and rehabilitation therapy through clinical reasoning and based on clinical-functional diagnosis.
It prepares students to: assess functions (linguistic, communicative, swallowing, etc.), identify dysfunctions, and formulate appropriate treatment programs for various pathological conditions to achieve functional recovery goals; select the most suitable rehabilitative-speech therapy techniques; utilize highly specialized therapeutic approaches based on scientific and clinical evidence; and verify the adequacy of the rehabilitative methodology applied in light of the most recent guidelines.
The achievement of professional competencies is realized through theoretical training and internship activities.

What do you learn?

The educational offerings of the Bachelor's Degree Program in Speech Therapy include the acquisition of knowledge in various disciplines such as Physics, Biology and Biochemistry, Human Anatomy and Physiology, Psychology, Pedagogy, etc.

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The program delves into the study of the main diseases of rehabilitative interest, with reference to disorders pertinent to otolaryngology, phoniatrics, audiology, neurology, and neuropsychiatry, across developmental, adult, and geriatric age groups.
The study of clinical subjects will be complemented by courses aimed at equipping future professionals with communication skills for listening and dialogue with patients, their families, caregivers, and collaboration with other healthcare professionals, as well as respect and empathy towards the cultural and ethnic differences of those assisted, counseling and prevention in critical areas, and professional responsibility in the use and preservation of clinical-rehabilitative documentation tools.
In the area of Prevention, knowledge of the fundamental concepts of epidemiology, public health, and essential elements of organizational management will be enhanced, particularly concerning healthcare services.
Internship activities conducted in various contexts will allow for the acquisition of specific professional skills and relational abilities with clients and the interdisciplinary team.

What can you do with it?

The graduate professional will be able to perform:
- Preventive and rehabilitative activities for language and communication disorders in developmental, adult, and geriatric populations;
- Education and re-education for conditions causing voice, speech, oral and written language, and communication impairments;
- Collaborative work in multidisciplinary teams to develop speech therapy assessments that identify and address health needs of individuals with disabilities;
- Independent therapeutic activities for functional rehabilitation of communicative and cognitive disabilities, utilizing verbal and non-verbal speech therapy techniques;
- Recommendations for assistive devices, including training in their use and verifying their effectiveness;
- Study, teaching, and professional consulting in healthcare services and other areas requiring their expertise;
- Evaluation of the alignment of rehabilitative methodologies with functional recovery objectives;
- The Speech Therapist can work in public or private healthcare facilities, either as an employee or in private practice.

They may also pursue a Master's Degree in Rehabilitative Sciences of Healthcare Professions and Level I Master's programs.
To practice, the Speech Therapist must register with the professional Order Tsrm – Pstrp.

TECHNICS OF NEUROPHYSIOPATOLOGY

(QUALIFYING FOR THE HEALTH PROFESSION OF NEUROPHYSIOPATHOLOGY TECHNICIAN)

CLASS L/SNT3
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Bachelor's Degree in Neurophysiopathology Techniques (hereinafter: NPT) aims to train health professionals skilled in neurophysiopathology techniques, relevant and indispensable investigation methodologies for the study and diagnosis of pathologies of the peripheral and central nervous system and also for therapeutic interventions (neurostimulation treatments) on an electrophysiological basis (electroencephalogram, electromioneurography, poligraphy, evoked potentials, transcranial magnetic and electrical stimulation, etc.).

The TNFP Bachelor Degree Course prepares for the profession of Neurophysiopathology Technicians.

What do you learn?

The NPT Bachelor's Degree program, through a wide and articulated training on basic and characterizing knowledge provided through frontal teaching and practical training activities, favors the acquisition of skills suitable for being able to perform in different clinical contexts (out-patients service, hospital wards, intensive care units, operating rooms) all evaluation and therapeutic techniques on an electrophysiological basis (electroencephalogram, electromioneurography, poligraphy, evoked potentials, reflex responses, magnetic and electrical transcranial stimulation) with the ability to independently draw up a technical report.

What can you do with it?

The NPT Bachelor's Degree carries out its professional activity in public health structures where the specific professional figure is present (hospitals, university clinics, specialistic outpatient facilities) or private-accredited or private as well as in industrial-commercial enterprises of production of neurophysiological equipment with the task of setting up, testing and checking the equipment in question.
NPT graduates can also continue their studies for the achievement of the Master's Degree Course in Sciences of the Technical Health Professions-L /SNT3.

DIAGNOSTIC TECHNICAL HEALTH PROFESSIONS SCIENCES

CLASS LM/SNT3
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Master's graduate in Sciences of Technical Diagnostic Healthcare Professions is responsible for diagnostic-assistance, managerial, educational, and research processes.
Among their main tasks are applying the basic sciences specific to the individual professional roles to make decisions about the organization and management of healthcare services provided by technical healthcare personnel; utilizing skills in health economics and business organization; overseeing technical organization in the diagnostic/assistance areas of specific sectors; designing and implementing training interventions for technical-healthcare personnel; sharing their expertise with individual professional figures; and promoting multi-professional integration while considering the ethical and deontological aspects of specific healthcare professions.

What do you learn?

The Master's Degree program trains students in the following areas: Social relationships, communication, and group dynamics: This area aims to provide graduates with skills in establishing interpersonal relationships, managing conflicts, interacting with patients/users and medical/healthcare personnel to improve the delivery of technical diagnostic and assistance services.
Healthcare law and ethical-professional responsibilities: Focus on legal and ethical aspects of healthcare practices.
Business economics: The course aims to provide knowledge in health economics, business/healthcare organization, and data management to enable leadership and coordination in public and private healthcare facilities.
Statistics, epidemiology, and bioethics: The course is designed to provide knowledge useful for managing healthcare data and workflow management.
Research methodology and innovation: Graduates are expected to apply research and innovation outcomes in the workplace, impacting professional growth and diagnostic/assistance practices.
Professional area: The program includes educational activities aimed at providing advanced knowledge and skills in specific professional areas, through dedicated teachings in the scientific-disciplinary sectors of diagnostic technical professions and assistance techniques.

What can you do with it?

Profile: Technical Coordinator Functions: The Technical Coordinator is responsible for coordinating and organizing professional, financial, and managerial resources within healthcare services or a healthcare service structure.
Competencies: Coordination in the Technical Healthcare Profession:

- Organization and supervision of structures and service delivery with a focus on efficiency and effectiveness;
- Technological implementation;
- Resource optimization;
- Staff training and logistical management.

Career Opportunities:

- Technical Coordinator in hospital companies;
- Accredited healthcare facilities within Regional Health Systems;
- Private healthcare facilities;
- Continuing education and training;
- Research in the field of expertise.

HEALTH PROFESSION OF PREVENTION SCIENCES

CLASS LM/SNT4
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Master's Degree in Prevention Health Professions Sciences has as its ultimate aim that of training professionals capable of carrying out care, management, training and research processes in the relevant field for carrying out prevention activities dedicated to the individual and the environment in an always more One-Health in line with the directives of the World Health Organization.
Over the course of the two years, professionals will have to acquire:

- Knowledge of the principles of economic analysis;
- Decision-making capacity regarding the organization and management of health services;
- Knowledge of the essential elements of the organization of healthcare companies;
- Knowledge of the principles of public administrative and healthcare law;
- Ability in the management of human resources;
- Ability in the analysis and accounting of costs for the management of corporate structures;
- Knowledge of the principles of quality and safety culture within your company;
- Knowledge of legislation related to safety in the workplace;
- Ability to manage models and tools for evaluating learning processes, teaching effectiveness and the impact of training;
- Ability to work in teams with other professional figures;
- Knowledge and correct use of research methods and tools;
- Teaching and tutoring skills for the specific professional figure.

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What do you learn?

Master's Degree graduates in Preventive Health Professions Sciences, thanks to their advanced training path, possess the skills to be able to carry out their professional activity together with management, training and research processes in prevention activities, in collaboration with other figures professionals and the relevant administrations.
Their activity is aimed at planning, managing and organizing health intervention measures for prevention and assistance in the area, guaranteeing a technical and qualified managerial approach.
Through interdisciplinary collaboration, they also guarantee the involvement of families and social groups for greater awareness of the problems relating to prevention.
Master's graduates in Preventive Health Professions Sciences acquire the necessary skills for the organization and management, as well as the supervision, of prevention-related activities.
Their training path allows them to plan training interventions adequate to European standards, through the optimization of the human, technological and information resources available to healthcare facilities.
They also manage training and coordination activities for the basic training of the professional figures with whom they cooperate.

What can you do with it?

Obtaining a Master's Degree in Preventive Health Professions Sciences allows you to access managerial roles, in relation to your professional figure, in the public and private sector, as well as allowing you to hold positions in university teaching, coordination of Bachelor's and Master's Degree courses expertise, and in research.
Public activities can be carried out within structures of the National Health System (hospitals and/or local health authorities and/or regional environmental protection agencies, regional health departments), at the Prevention Departments, at the regional Environmental Protection Agencies (ARPA), their territorial services.
Private activities can be carried out in an employee or freelance relationship in the specific sectors of prevention in environments and workplaces and health care.

HEALTH PROFESSIONS REHABILITATION SCIENCES

CLASS LM/SNT2
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

Graduates in the class will be provided with advanced general training, enabling them to intervene with high expertise in the care, management, training and research processes in one of the areas related to the various health professions included in the class (podiatrist, physiotherapist, speech therapist, ophthalmology assistant, neuro-psychomotor rehabilitation technician for the developmental age, occupational therapist, professional educator).

What do you learn?

Apply knowledge of basic science relevant to the specific professional figure needed to make decisions on the organization and management of health services provided by the medical personnel responsible for rehabilitation, within healthcare facilities of low, medium or high complexity; use the skills of health economics and business organization necessary for the organization of health services and the management of the available human and technological resources, evaluating the cost-benefit ratio; oversee specific areas of health organization for rehabilitation; use the research methods and tools in the organization of health services; implement and evaluate the impact of different theoretical models in the operation of the organization and management of health services; plan the optimization of various types of resources (human, technological, information, financial) available to health facilities of low, medium and high complexity; design and implement training programs for upgrading and continuing education relating to the health facilities of reference; develop teaching skills for specific professional profile within the tutorial activities and coordination of training in basic, complementary and permanent training; communicate with clarity on issues of organizational health with employees and customers; critically analyse the ethical and deontological aspects of the professions in the health area, even under a multi-professional integration perspective.

What can you do with it?

Professional opportunities 2nd cycle graduates may find employment opportunities in:

- National Healthcare System facilities (hospitals and/or local healthcare agencies, health profession departments) for the organisation of healthcare services;
- Planning and implementation of educational actions for the updating and continuing education of healthcare professionals, as well as, for each specific professional profile, tutoring and internship coordination activities;
- Public and private facilities, also accredited under the regulations in force, as employees or freelance professionals.

MEDICAL BIOTECHNOLOGY AND MOLECULAR MEDICINE

CLASS LM-9 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Croatia
Hungary
Spain

What is the objective of the course? What is it?

The learning objectives of the Master's Degree are to provide students with an integrated form of knowledge and understanding of cellular and molecular biotechnology and its application in medicine and research.
The aim is to deepen knowledge of the most innovative investigation techniques used in research and clinical laboratories.
To achieve these objectives, the course includes, in addition to frontal teaching activities, practical activities that allow the acquisition of knowledge and application skills. This activity includes:

- Classroom or laboratory exercises carried out as part of the lessons provided for in the Study Plan, during which students will learn about the procedures for using complex equipment and/or applying methods in use in different laboratories;
- Curricular internship for a total of 11 months in laboratories where students will be actively involved in the development of experimental activities.

These activities will enable the student to improve his or her communication skills, scientific updating, working in a group and developing design ideas.
The course therefore aims to train a professional figure whose level of preparation will allow an effective placement in biomedical research activities able also to support the monitoring activities of clinical trials in their different stages of development.

What do you learn?

The graduated students in Medical Biotechnology and Molecular Medicine will have basic knowledge of human pathologies of medical and surgical interest, congenital or acquired.

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The aim of course is to identify the best ways of using biotechnological approaches in both diagnostic and therapeutic fields.
Graduates will be expected to know and apply: the methodologies of cellular, molecular and gene transfer biotechnology in order to identify and validate novel therapeutic targets and diagnostic approaches for molecular medicine, oncology, regenerative medicine and biocompatibility; stem cell therapy technologies; applied technologies for the study of genomics, transcriptomics and proteomics; bio-materials techniques and nanotechnology applied to biomedicine; assisted human reproduction techniques.
The graduate will acquire:

- familiarity with the principles of experimental design on biological systems;
- good command of methodologies for accessing databases of biomedical biotechnology interest;
- ability to produce in vitro and in vivo experimental models for the development of new diagnostic and therapeutic approaches.

In addition, the graduate will be able to design and apply, in agreement with the graduate specialist in medicine and surgery, diagnostic and therapeutic strategies based on biotechnology in the areas of competence.

What can you do with it?

Thanks to the skills acquired in biochemical, bioinformatics,microbiological,immunopathological, oncology, metabolic and in the development of biotechnological drugs, the graduate in Medical Biotechnology and Molecular Medicine will be able:

- To act as a researcher, research manager and/or consultant in the fields falling within the scope of human health protection such as pharmaceuticals, diagnostics, cosmetics or biomaterials, promoting scientific research activities, of technological development and/or scientific communication for the general public in structures of the National Health System; in hospital companies; specialized laboratories, public and private; in universities and other public and private research institutions; in the biotechnological industry, Diagnostics and pharmaceuticals; in biotechnology service centers; in bodies responsible for the development of health and patent legislation in the field of biotechnology.
- To participate in the competitive procedures for access to education in secondary school, both first and second degree, according to the regulations.
- To continue its training activity by accessing national and international PhD courses, Masters of I and II level and the Specialization Schools of Medical Genetics, Clinical Pathology and Clinical Biochemistry, Microbiology and Virology, Health Statistics and Biometrics.

To practice as a freelance biologist, you must be in the relevant professional register.

NEUROSCIENCE

CLASS LM-6 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Poland

What is the objective of the course? What is it?

The Master's Degree in Neuroscience mainly prepare an expert in Neuroscience and Neurobiology, whose education will be completed with advanced post-graduate training courses.
Graduates of the CdS in Neuroscience who will complete their training with post-graduate courses, such as PhDs, Specializations and other Masters, can have access to all managerial professions (according to the criteria required by the calls of the individual structures) in research and development divisions in public and private hospitals, IRCCS, pharmaceutical and biotechnological industries, companies and innovative start-ups aimed at the creation of new neurological drugs, new bioengineering technologies for the management, diagnosis and innovative treatment of diseases of the central and peripheral nervous system. The Degree Program is not divided into curricula.

What do you learn?

The Master's Degree is structured in such a way as to provide an adequate and balanced preparation in the characterizing disciplines and in particular in the field of Biochemistry, Anatomy and Physiology, in which the structural, morphological and functional aspects of the central and peripheral nervous system will be studied in details.
These teachings are preparatory to a correct classification of pathological, diagnostic-instrumental processes and related drug therapies both at cellular and molecular level.
These last didactic aspects are guaranteed by the teachings of Neuropathology and Neuropharmacology and Clinical and Advanced Diagnostics, Neurology, Psychiatry, Neurological Rehabilitation.
Ample space is also reserved for the study of Information Processing in Neuroscience, Human-machine interfaces (HMI), including the Brain Computer Interface (BCI), key topics in the sector covered in the Information Processing Systems in Neuroscience course. Rehabilitation Engineering, of strategic importance for a modern computational approach to Neuroscience, will also be addressed.
A B2 / C1 level academic English or B1 / B2 Italian course (for foreign students) will be provided, to ensure an optimal preparation for post-graduate training and direct access to high qualified work.

What can you do with it?

The natural job placement of graduates of the Master's Degree in Neuroscience is therefore that of academic research and industrial research, advanced diagnosis, analysis of clinical and biological data in the field of Neuroscience.
Additional areas of work are those of the neuropharmaceutical and neuro-biotechnology industry, currently in strong expansion, as well as the industries producing diagnostic medical devices, neurorehabilitation and neuroprostheses.
After passing the state exam and enrolling in the professional register of biologists, the graduate will be able to carry out the regulated profession of biologist.

NURSING AND MIDWIFERY SCIENCES

CLASS LM/SNT1
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The graduate will acquire competences in:

- Planning and management of healthcare personnel;
- The new methods of work organization,
- Technological and it innovation, (with respect to teleassistance and distance learning);
- Planning and organization of pedagogical and educational interventions;
- The homogenization of the operating standards with those of the european union;
- The knowledge of health management techniques and procedures.

What do you learn?

The specialist graduate training course trains the students in:

- Making decisions relating to the organization and management of health services provided within public or private health structures of low, medium or high complexity;
- Using the health economics and business organization skills necessary for a profitable organization of the health services and for the management of the human and technological resources available in relation to the cost / benefit ratio;
- Using methods and tools of research in the organization of health services;
- Planning the optimization of the various types of resources (human, technological, it, financial) given by the reference health structures of low, medium or high complexity.

What can you do with it?

The methodological knowledge acquired allows graduates to find employment in the following sectors:

- Corporate training or academic centres with management or coordination functions of training structures, for teaching, tutoring and training planning activities;
- Health and social-sanitary structures with management or coordination functions of the services in which nurses and midwives work;
- Research centres for projects related to nursing and midwifery fields or for multi-centre and multi-disciplinary projects.

Graduates with the Master Degree in Nursing and Midwifery Sciences carry out their professional activity as employees in public or private or accredited health facilities, in the community and in home care.

ARCHITECTURE

www.unipa.it/dipartimenti/architettura

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

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L-23	Architecture and Project in Built Space	AG
L-4 R	Design	PA
L-P01	Digital Technologies for Architecture	PA
L-21 R	Urban Design the City in transition	PA

MASTER DEGREE

LM-4	Architecture for Sustainable Existing Building Renovation Design	PA
LM-12 R	Design, Sustainability, Digital Culture for the Territory	PA
LM-48 R	Spatial Planning	PA

ARCHITECTURE

CLASS LM-4
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Greece
Portugal
Romania
Spain
Turkey

What is the objective of the course? What is it?

The aim of the Master's Degree Single Cycle in Architecture, class LM4, is to train a professional figure who has specific skills in the field of architecture in compliance with the provisions of EEC Directive 85/384.
The Course of Study, through the teachings of the manifesto, identifies its central nucleus in the architectural project at various scales, from that of the object to those of the building, the city, the territory: it constitutes a tool of knowledge and experiential-scientific activity, which has as its object the physical reality in view of its useful and necessary modification for the life and living of man and the needs of associated life.
The graduate of the Master's Degree in Architecture must be able to design, at various scales, using the tools specific to architecture, including those of planning sciences, and must possess the skills to verify the feasibility of the project, the construction operations of the works, transformation and modification of the natural and artificial physical environment, with full knowledge of the aesthetic, distributive, functional, structural, technical-constructive, infrastructural, managerial, geographical, economic and environmental aspects and with critical attention to cultural changes and the needs expressed by contemporary society.

What do you learn?

Graduates of the Master's Degree Single Cycle in Architecture must achieve full knowledge of the aesthetic, distributive, functional, structural, technical-constructive, infrastructural, managerial, economic and environmental aspects related to architecture.
This knowledge must make them able to design, at various scales, using the tools specific to architecture.
Graduates of the Master's Degree in Architecture must be able to eloquently argue their projects, also framing them in a broad horizon of the contemporary socio-cultural context.
They must also possess the skills to verify the feasibility of the project, the construction operations of the works, transformation and modification of the natural and artificial physical environment.
Graduates of the Master's Degree in Architecture must be professionally able to direct the physical realization of their projects, coordinating for these purposes and where necessary other specialists in the fields of architecture, civil engineering, urban planning, restoration and conservation of architecture.

What can you do with it?

The professional figure emerging from the Master's Degree Single Cycle Course will have specific skills in the field of architecture, in accordance with existing European directives.
The qualification acquired allows admission to the State Exam, to access the practice of the profession of architect in Italy and in the countries of the European Union.
Graduates in Architecture will be able to work as freelancers or take on roles in public and private institutions and bodies that operate in the fields of design, construction, conservation and transformation of architecture.

ARCHITECTURE AND PROJECT IN BUILT SPACE

CLASS L-23 R
CAMPUS Agrigento
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Spain

What is the objective of the course? What is it?

The Bachelor's Degree Program in Architecture and Project in Built Space, established at the Agrigento Territorial University Campus, aims to train graduates with a solid foundational education.
The educational path is primarily focused on issues related to the knowledge, modification, enhancement, and adaptation of the built environment from a sustainability perspective.
Graduates of Architecture and Project in Built Space are professionals capable of positively contributing to the preservation, enhancement, and optimal utilization of territorial resources, the transformation of existing structures, the restoration of historical building heritage, and the redevelopment of urban spaces.

What do you learn?

The Bachelor's Degree Program is structured into six disciplinary blocks, encompassing foundational, core, and related courses: the History of Architecture Area, the Urban Planning Area, the Architectural Representation and Survey Area, the Restoration Area, the Technology and Structures Area, and the Architectural and Landscape Design Area.
The program is characterized by Laboratories, coordinated with each other and with other courses, where students work on different scales and aspects of analysis and design.
The educational path is completed with various activities (internships, conferences, seminars, workshops, conventions, and training courses), which enhance the curriculum by integrating studies in related disciplines and providing knowledge and skills useful for continuing education in various master's programs and/or entering the workforce.

What can you do with it?

Graduates of Architecture and Project in Built Space can independently practice as professionals in the design and construction of "simple civil structures," managing their implementation in all aspects.
They can engage in design work – within the limits established by law – in the fields of surveying, architectural design, urban planning, landscape architecture, and restoration.

The degree qualifies graduates to take the State Examination for admission to the Register of Architects (Section B - "Architecture" Sector) and the Register of Engineers (Section B – "Civil and Environmental" Sector);
Their professional roles are those of junior architect and junior engineer, interacting with:

- Public administrations responsible for territorial governance and management (municipalities, regional departments, superintendencies for cultural and environmental heritage, etc...);
- Professional studios, service companies, private institutions, and associations operating in the fields of architecture, building restoration, and transformations of the built environment.

Graduates of Architecture and Project in Built Space may continue their studies by enrolling in the Master's Degree Program in Architecture for Sustainable Existing Building Renovation Design [Class LM 4], which represents the advanced level of university education, or in other Master's Degree Programs.

DESIGN

CLASS L-4 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Latvia
Poland
Portugal
Spain
Turkey

What is the objective of the course? What is it?

The Bachelor's Degree program aims to train technical intellectuals who are sensitive to innovative processes and critically focused on enhancing the territory.
Graduates will be capable of designing products, communication artifacts, services, systems, and strategies for businesses, public institutions, and Cultural Heritage entities.
The course emphasizes the acquisition of design methodology and practical application, combining theoretical and historical knowledge of design culture, critical understanding of technologies, market and lifestyle analysis, and environmental sustainability.

The program is structured around design workshops and includes the following key components:

- Knowledge of design theory, history, and methodologies;
- Understanding of social and human sciences related to the quality of artifacts in terms of communication, social and behavioral relevance, and environmental sustainability;
- Technical and scientific knowledge concerning material innovation, their potential and applications, prototyping/production processes, and product engineering;
- Understanding of business organization, from production processes to the analysis of consumption models.

What do you learn?

The program develops knowledge and understanding of the various phases and aspects of design, considering the socio-cultural and technical-productive processes associated with it.
Specifically, students develop:

- An understanding of the history and methodologies of design related to production processes and materials, along with cultural aspects related to usability;
- Knowledge and comprehension of advanced representation techniques and methods compliant with standards;
- Knowledge and understanding of themes and issues related to societal evolution in its various aspects (socio-cultural, economic, environmental, artistic, and creative);
- Knowledge of mathematics, physics, and structural analysis methods to understand scientific analysis methodologies in design;
- Familiarity with professional practices in different fields, including the fundamental principles of signification and reflection on art.

What can you do with it?

The proposed profile aligns with the needs of a rapidly expanding market that requires technical intellectuals capable of designing new products, services, communication artifacts, systems, and strategies (product design, packaging design, exhibit design, visual and graphic design, web and new media design, UX/UI, etc.) across various sectors.
Career opportunities for Design graduates are available in both the private sector (large companies, small and medium-sized enterprises, professional studios in design and communication, service agencies in the field of new technologies, etc.) and the public sector (national, regional, and municipal administrations, other public institutions working in the promotion and communication of cultural, educational, social, and territorial resources).
Subject to curriculum evaluation, Design graduates can also continue their studies in the Master's Degree program in Design, Sustainability, and Digital Culture for the Territory or other Master's Degree programs.

DIGITAL TECHNOLOGIES FOR ARCHITECTURE

CLASS L-P01
CAMPUS Palermo
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

The Bachelor Degree Course in Digital Technologies for Architecture is a professionally oriented three-year course aimed at those interested in a technical Degree that leads quickly to employment.
The CdL trains a versatile modern professional figure capable of responding to today's needs expressed by the sectors of architecture in which the common denominator of activities is the digital declination of the various disciplines with a specific focus on the most advanced digital techniques of representation and communication of architecture.
The course envisages training activities in the area of basic disciplines and teachings aimed at providing the knowledge – both theoretical and practical – necessary to operate in the field of design processes, realisation and management of architectural works, territory management, cartographic and architectural survey, as well as graphic restitution through the most advanced technologies available.
Finally, graduates will be able to operate in the field of technical and economic feasibility, cost calculation, the production and realisation process of architectural works both from a technical and regulatory and administrative point of view. In line with the practical vocation of the Bachelor Degree Course, ample space is given to laboratory training activities, as well as to internships in companies, technical studies, construction companies or public bodies.

What do you learn?

The Bachelor Degree programme trains a versatile figure in the field of architecture who is able to:

- Use digital photogrammetric and laser scanning techniques to survey architectural artefacts;
- Resume the architectural project through the use of cad and the application of the principles of parametric architectural modelling;
- Apply the bim methodology and information modelling and using technical documentation and dedicated software for modelling objects and producing drawings;
- Represent and modelling the built environment through virtual reconstruction of historical and contemporary architectural artefacts and digital visualisation of architecture;
- Manage spatial data in digital format through the use of gis;
- Manage work and site accounting procedures through the use of specific software for the production of estimated metric calculations, technical specifications, measurement booklets, work progress reports, maintenance plans, etc;
- Verify the correct application of safety procedures in site management, planning and directing works and supervising construction and distribution aspects relating to modest constructions;
- Apply public and private works legislation, town planning instruments and building permits and carry out forensic consultancy activities.

What can you do with it?

The graduated technician will be a multi-purpose figure capable of using the most innovative digital technologies available today and with support functions for design and consulting activities carried out by more specialised professionals or in an autonomous manner.
The main foreseen job opportunities are freelance activities, employed in the technical role of public administrations or engineering and architecture companies, legal or economic-commercial companies, building companies, real estate management, public law bodies for the management and control of the territory.
The prosecution of studies in Master Degree Courses is not a natural outcome for courses in this class, but can be carried out after the necessary educational debts have been met.

URBAN DESIGN FOR THE CITY IN TRANSITION

CLASS L-21 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Greece
Romania
Spain
Turkey

What is the objective of the course? What is it?

The three-year Bachelor's Degree Course in Urban Design for the City in Transition (UDCT) trains experts in the analysis, research and representation of cities, territories, environments and landscapes.
The course aims to train a professional in line with current European requirements, a context in which urban regeneration plays a particularly important role.
Their professional expertise is the basis for elaborating urban, territorial, environmental and sectoral plans, projects and programmes that are drawn up by Public Administrations or by Agencies, Private Companies and the Third Sector

The professional abilities of the UDCT graduate allow them to comprehend and interpret the processes of historical transformation of the territory and cities and to provide adequate responses to the demands of urban renewal at various scales, from the built heritage to complex systems such as landscape and environmental systems.
The competencies acquired also include the social, political and economic components that interact with the planning of cities and the territory- and the development of knowledge aimed at sustainability, capable of responding to some of the current issues relating to environmental pollution, land consumption, social inequalities, and the protection and preservation of historical, artistic and landscape heritage;
In 2019, the Bachelor's Degree Course received QR; Quality Recognition-Certification from AESOP.

What do you learn?

The course requires the students to carry out as many experimental experiences as possible favouring practical activities that involve a close integration with all the realities of the territory right from the training period, allowing them to learn by doing, simultaneously putting their work at the service of administrations and the community, also through Service Learning projects.
The main educational objective of the course is the acquisition of techniques and tools necessary for the development of a multidisciplinary approach capable of supporting professionals in their land management and planning choices.
The didactic activity of the course is designed to develop: the ability to read and understand the territory and all the components that characterise it; methods and techniques for the qualitative and quantitative management of data; classic and innovative approaches to territorial planning and design; techniques for the graphic and representation of the territory.
The degree is organised in the following disciplinary areas: Urbanism, Planning, Architecture and Landscape; Economics, Geography and Sociology; Ecology; Representation and History of Architecture; Basic subjects.
The course is characterised by various workshops and theoretical-practical lessons aimed both at understanding urban and territorial phenomena and facilitating the development of organisational and collaborative skills between different competencies.

What can you do with it?

Graduates in UDCT train a figure with predominantly spatial planning skills, who is responsible for understanding and managing the transformations of the built and natural environment and complex urban and territorial phenomena.
Qualification obtained with the degree in UDCT guarantees admission to the Italian State Examination for Junior Planners (section B) to be able to enrol in the respective register (Order of Architects, Planners, Landscapers and Conservators, section B, 'Planning' sector).
The privileged stakeholders of the Junior Planner are the subjects, both public and private, operating in the field of urban and territorial transformations, infrastructures and transport, landscape and environment, and the participatory processes linked to plans and projects, which can therefore be identified as: Public administrations for the government and management of the territory (Municipalities, Regional Councillorships, Local Authorities for cultural and environmental heritage, Park Authorities, Port Authorities, Local Development Agencies, etc.); Public or private research institutes; Professional firms, service companies, private institutions and the third sector.
It will also be possible to continue studies by enrolling in Master's Degree Courses.

ARCHITECTURE FOR SUSTAINABLE EXISTING BUILDING RENOVATION DESIGN

CLASS LM-4
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Cyprus
Germany
Greece
Lithuania
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree in Architecture for Sustainable Existing Building Renovation Design aims to train professionals with specialized skills in the field of Architecture, in compliance with the provisions of EU Directive 85/384.

The Degree Course's core focus lies in Architectural Design across various scales, from objects to buildings, cities, and territories, with a particular emphasis on the Sustainable Design of the Existing Built Environment.
APSE graduates are equipped to design at different scales using the tools of Architecture.
They possess the skills necessary for the conception, management, and evaluation of architectural design. They are proficient in planning construction processes, as well as the transformation and modification of the natural and artificial physical environment, with a comprehensive understanding of aesthetic, spatial, functional, structural, technical-constructive, infrastructural, managerial, geographical, economic, and environmental aspects.
APSE graduates acquire all the competencies required to address the major current and future challenges of design, with a focus on transforming and managing the built environment in ways that provide appropriate, informed, and sustainable responses to contemporary societal needs.

GENERAL INDEX
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What do you learn?

Part of the training is focused on the acquisition and understanding of theories, methods, and disciplines, while another theoretical-practical component is aimed at developing and practicing "know-how" in areas related to the instrumental and specific activities of the profession.
Theoretical-practical activities are often carried out in so-called "Laboratory teaching Courses" which are educational structures designed to facilitate the description of physical and architectural realities, as well as the comprehension, knowledge, and practical application of design.
Within these laboratories, a personalized relationship between professors, and students is ensured, allowing for individualized supervision of architectural design practices.
Furthermore, all teachings offer a highly professionalizing educational dimension across various scales, fostered by consistent interaction with the professional world.
This is achieved through site and building yard visits, educational inspections, seminars featuring national and international experts, in-class activities, and exchanges with international students.
In the second year, a mandatory internship is specifically integrated into the curriculum, providing direct exposure to the professional environment through placements at accredited and qualified professional firms, organizations, and institutions.

What can you do with it?

Graduates of Architecture for Sustainable Existing Building Renovation Design can pursue professional careers and assume roles of high quality and responsibility in both the architectural design phase and the management of construction sites across various fields of application.
These range from the broader architectural domain to interior architecture, restoration, architectural rehabilitation, urban planning, and landscape architecture.
Architecture for Sustainable Existing Building Renovation Design graduates have career opportunities in freelance practice, public and private institutions, and organizations (e.g., institutional entities, public and private agencies, professional firms, and design companies) operating in the fields of design, construction, conservation, and transformation of the built environment.
Upon passing the relevant State Examination, Architecture for Sustainable Existing Building Renovation Design graduates may register with the professional register of the Order of Architects, Planners, Landscape Architects, and Conservators in Section A, "Architecture" sector.
This qualification enables them to practice as Architects, Planners, Landscape Architects, and Conservators.

DESIGN, SUSTAINABILITY, DIGITAL CULTURE FOR THE TERRITORY

CLASS LM-12 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Latvia
Netherlands
Poland
Portugal
Spain
Turkey

What is the objective of the course? What is it?

The Master's Degree provides designers with design knowledge and skills, allowing them to use cultural, communicative planning, technological and socio-economic considerations to tackle the complexity of the contemporary issues of sustainability and digital transition. Designers will be able to design systems of objects, communication artefacts and services, and manage industrial and advanced craft productions, as well as complex and systemic projects of visual communication keeping a constant commitment to the specificities of the local territory to promote its cultural heritage, and the productive ecosystem , the local identities, as well as the material and immaterial resources. Sustainability, digital culture and territory define the three thematic areas of intervention of Design in this Course and around which teachings, laboratories, workshops, conferences, educational trips and international exchanges are developed.

What do you learn?

The student of the Master's Degree acquires Design knowledge and skills, developing a critical and mindful attitude towards the discipline, through a transdisciplinary educational path, which includes the following design, scientific, technological, historical-critical and economic teachings:

GENERAL INDEX
DEPARTMENT INDEX

- Interaction Design, Data Visualization, Information Design;
- Design of visual communication for cultural heritage and productions;
- Design for circular and sustainable agri-food production;
- Strategic design for territorial development;
- Service design;
- Movie science and landscape;
- Contemporary art and cultural industries;
- Architecture and history of exhibition and event spaces,
- Biodiversity and sustainability in agri-food production;
- Biomaterials and components for design;
- Sustainable technologies for design.

The course organises teaching, organized in semesters and with compulsory attendance, through lectures and workshops also in collaboration with companies and institutions, both for the development of projects and prototypes that find direct application on the territory and for the development of complementary activities (conferences, seminars, workshops, conferences).

The course is completed through a mandatory internship and the development of a master's thesis as a final exam.

What can you do with it?

The knowledge and skills acquired during the training process prepare the designer to enter the job market with a great professional and cultural awareness of his role.
Ethical considerations and social change ambitions are strengths of the designer who can design possible futures based on the principles and practices of sustainability and digital culture for the growth and development of the territory.
Design as a pervasive discipline opens up multiple job opportunities, represented by: Manufacturing industries, small and medium-sized enterprises, advanced crafts; Digital products and services companies; Professional firms and communication agencies; Public and private research centres; Cultural institutions and foundations; Museums, archives and libraries; Archaeological sites; Innovative start-ups; Solopreneurship.

SPATIAL PLANNING

CLASS LM-48 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Cyprus
France
Germany
Greece
Poland
Portugal
Romania
Spain
Turkey

What is the objective of the course? What is it?

The Master's Degree in Spatial Planning (SING) is inspired by the long Italian tradition of urban and territorial planning and addresses future issues related to the planning and design of cities and the sustainable development of territories.
The Course is ideal for recent graduates and for professionals who wish to advance their education or to direct their career towards urban and spatial planning with opportunities for employment in both the public and private sectors.
The Course constitutes the higher professional level of the Planner's university education, in continuity with the CdL in Urban Design for the City in Transition or with access from other CdLs subject to verification of entry competences.
The transversal competences of SING graduates can be spent in different areas ranging from the preservation and promotion of cultural heritage to the protection of ecosystem balances, from urban regeneration to the design of the smart city, from planning for renewable energy and sustainable mobility to European planning and the world of the Third Sector.
Delivered entirely in English, also thanks to the presence of students from numerous countries around the world, the Course offers an international training environment and promotes a global perspective that offers graduates further opportunities to enter the world of work in an international context.

What do you learn?

The course of study provides as much experimental experience as possible with thematic workshops (one for each year of the course: Planning Studio I and II), a workshop dedicated to landscape design (Landscape design Studio) and one to participatory practices in planning processes (Social geography and participatory practices), lectures, meetings with experts and public administrators, and internships in public offices, agencies and private enterprises.
In addition, the course includes other disciplines concerning Planning Theories, Geomatics, Urban and Regional Economics, Technological Design of Settlements, Landscape Ecology, as well as Energy Policies for the Territory and Sustainable Mobility Policies.
In summary, during the course you will be able to:

- Build a conceptual understanding of essential spatial planning theories and apply qualitative and quantitative techniques, such as GIS analysis and participatory mapping, as well as exclusive skills in strategic environmental assessment (SEA);
- Develop an interdisciplinary approach to spatial planning and new relational skills based on group problem-solving activities and peer teaching with a 'learning by doing' approach;
- Obtain an accredited degree with QR Certification – Quality Recognition by AESOP (Assosiation of European Schools of Planning).

What can you do with it?

The Master's Degree in Spatial Planning takes on the professional qualification of Territorial Planner, in accordance with Presidential Decree 328/2001, following the State Examination and enrolment in the Order of Architects, Planners, Landscape Architects and Conservators, section A.
The Territorial Planner works both as a freelance professional and in public institutions or private and third sector entities in the field of urban and territorial transformations, infrastructures and energy policies, landscape and environment as well as in the field of urban policies.
The spatial planner can work as a policy maker, consultant or project manager for government, consulting companies, project developers or research institutes, as well as increasingly in international planning.
The internship period takes place in organisations and institutions of different levels and allows students to explore various fields of planning, providing an important link to the world of work.

ENGINEERING

www.unipa.it/dipartimenti/ingegneria

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-9 R	Aerospace Engineering	PA
L-8 R	Automation and Systems Engineering	PA
L-9 R	Biomedical Engineering	PA
L-23 R	Building Engineering, Innovation And Retrofitting	PA
L-9 R	Chemical and Biochemical Engineering	PA
L-7 R	Civil Engineering	PA
L-8 R	Computer Engineering	PA
L-8 R	Digital enterprise innovation engineering	PA
L-9 R	Electrical Engineering for E-Mobility	PA
L-8 R	Electronics Engineering	PA
L-9 R	Energy and Renewable Energy Engineering	PA
L-7 R	Environmental Engineering for Sustainable Development	PA
L-9 R	Management Engineering	PA
L-9	Marine Technologies Engineering	TP
L-9 R	Mechanical Engineering	PA
L-8 R	Robotics Engineering	PA

MASTER DEGREE

LM-20 R	Aerospace Engineering	PA
LM-25	Automation and Systems Engineering	PA
LM-21 R	Biomedical Engineering	PA
LM-24	Building Engineering	PA
LM-22 R	Chemical Engineering	PA
LM-23 R	Civil Engineering	PA
LM-32	Computer Engineering	PA
LM-28	Electrical Engineering	PA
LM-29&27	Electronics and Telecommunications Engineering (ETE)	ONLINE
LM-29	Electronics Engineering	PA
LM-30 R	Energy and Nuclear Engineering	PA
LM-35 R	Engineering and Innovative Technologies for the Environment	PA
LM-31	Management Engineering	PA
LM-31	Management Engineering	ONLINE
LM-33	Mechanical Engineering	PA

AEROSPACE ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Poland
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Aerospace Engineering provides the knowledge and skills necessary to identify, analyze, and interpret problems typical of industrial engineering in general, and aerospace in particular, related to the disciplines of atmospheric and space flight mechanics, aerodynamics, materials, and aerospace technologies and constructions.
The Course also emphasizes transversal skills, especially computer science, with the aim of training a figure capable of using up-to-date tools for the analysis and interpretation of complex systems.

The course trains professionals capable of interacting in consulting and/or design teams for industrial engineering, identifying the salient factors of an aerospace project, including its economic context and environmental impact, and using popular software to analyze engineering problems.

What do you learn?

Students will acquire:

- Knowledge of mathematics, physics, chemistry and computer science for theoretical, analytical and numerical analysis of multidisciplinary problems;
- Knowledge for industrial engineering such as industrial design, mechanics of materials and structures, manufacturing technology, fluid mechanics, thermodynamics and heat transfer, electrical engineering and electrical machines, and principles of economics;
- Knowledge for aerospace engineering such as atmospheric and space flight mechanics, airborne systems, subsonic and supersonic aerodynamics, aerospace construction, and aerospace manufacturing technologies.

Furthermore, free credits will allow the student to supplement training with knowledge related to other scientific-engineering fields and transversal topics useful for further study or entry into the world of work, and to carry out internships and/or placements at companies or affiliated institutions.

What can you do with it?

Bachelor's graduates in Aerospace Engineering will be able to continue their studies in second-level industrial or aerospace engineering degrees, or enter the workforce as an engineer supporting the design and production of aerospace and aeronautical components and systems, or as an engineer supporting the management and planning of aerospace and aeronautical maintenance.
The Course also provides knowledge useful for passing for the enrolment in the Register of Engineers (Section B), which is necessary for practicing as a freelance professional engineer.

AUTOMATION AND SYSTEMS ENGINEERING

CLASS L-8 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Poland
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Automation and Systems Engineering focuses on studying dynamic systems capable of self-regulation and the control mechanisms that enable this capability.
The program trains engineers to design and manage complex automatic systems, conceived as networks of interconnected elements.
It emphasizes the application of modern information technologies in emerging areas of automation, with a focus on mechatronic systems and technologies related to the Internet, Cloud, and global communication.

What do you learn?

The study program provides knowledge and methodological skills typical of Information Engineering, through a strongly multidisciplinary curriculum that includes:

- Basic disciplines: mathematics, physics, and geometry;
- Transversal engineering subjects: electrical engineering, electronics, embedded systems, measurements;
- Specific training in automation: control, industrial and mobile robotics;
- Insights into mechatronic and cyber-physical systems, focusing on various aspects of automation systems;
- Information technologies applied to fields characterized by interactions between the physical and digital worlds;
- Programming: strong focus on procedural and object-oriented programming languages, such as C, Java, Python, Matlab, and assembly.

What can you do with it?

Graduates have numerous career opportunities as freelancers or within companies, public administrations, and private organizations across all sectors of production and services where information technologies and automation principles play a key role.
Examples of systems and application areas where Automation and Systems Engineers can work include:

- Autonomous vehicles;
- Sensor networks and the Internet of Things;
- Distributed monitoring and control systems;
- Automation of distribution and service delivery systems;
- Assistive technologies;
- Robotic systems;
- Cloud technologies

For those interested in continuing their academic path, the natural progression is the Master's Degree in Automation and Systems Engineering. Graduates with a Master's Degree in these fields find employment very quickly.

In Italy, 91 out of 100 graduates are employed within one year.
The situation is even better for graduates from the University of Palermo, where 100% of graduates find a job within a year, with entry-level salaries higher than the national average for engineering (source: AlmaLaurea official data).

BIOMEDICAL ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Germany
Greece
Portugal
Serbia
Slovakia
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Biomedical Engineering was created to meet a specific need in the job market for professionals with strong interdisciplinary skills in the fields of materials engineering, biomechanics, hardware and software technologies, bioscience and medicine and who had at the same time, organized skills on materials and devices for biomedical use (mechanical, electronic, robotic), as well as on the testing and maintenance of equipment used in healthcare facilities.

The training course of the Degree Course in Biomedical Engineering is organized in such a way as to provide students with solid training in the field of engineering methodologies and technologies, applied to medical-biological problems.
In this way it is possible to train professional figures with technical-biological skills, provided thanks to the integration of knowledge of industrial engineering, information engineering, and medical-biological skills.
If in the first part of the training course the essential elements of Engineering studies are provided, they have a characterizing connotation already in the second year, and then give students the opportunity to specialize, in the following two years, in one of the two different curricula, Bioengineering and Technologies Applied to Medicine, acquiring knowledge and exploring application themes typical of Biomedical Engineering.

What do you learn?

The biomedical engineer will have solid basic training in engineering disciplines, supported by knowledge relating to:

- The main properties and characteristics of biomaterials and the nature of the interactions between them and biological tissues, in order to design artificial systems for the functional recovery of the tissue or organ to be replaced, integrated or rehabilitated;
- the ability to process and analyze signals, images and medical-biological data, to apply electronic circuit design techniques, methodological to ols and quantitative methods for the study of physiological systems, through integrated knowledge of electronics, robotics and mechatronics;
- multi-omics, information technology, sensing, modeling, biomechanical technologies, and related to the analysis and processing of signals and images to support all clinical pathways;
- technologies based on artificial intelligence both in the research field in achieving diagnostic and therapeutic objectives in the context of precision medicine.

They will also have adequate basic skills in mathematics, chemistry, physics and biomechanics and will be able to use the methodological and calculation tools necessary for the description of the transport phenomena of fluids and substances in the biomedical field.

What can you do with it?

The main employment opportunities for a graduate in Biomedical Engineering are the following:

- Industries in the biomedical and pharmaceutical sector producing and supplying systems, equipment and materials for diagnosis, treatment and rehabilitation;
- Public and private hospitals;
- Service companies for the management of medical and telemedicine equipment and systems;
- Specialized laboratories.

The Bachelor's Degree in biomedical engineering allows direct access to the master's degree in biomedical engineering, but also, subject to possession of the CFU relating to the characterizing subjects, also to other master's degree courses in industrial engineering.

BUILDING ENGINEERING, INNOVATION AND RETROFITTING

CLASS L-23 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
France
Poland
Romania
Slovenia
Spain

What is the objective of the course? What is it?

The Bachelor's Degree Program in Building Engineering, Innovation, and Retrofitting aims to train professionals capable of performing the following:

- Structural, historical, and current-state analyses;
- Interpretation, representation, and surveying of building structures;
- Support activities for design processes;
- Organization and management of construction sites;
- Economic management of construction processes;
- Sustainable transformation and development of environmentally sensitive areas;
- Management of technical-administrative and production processes;
- Activities related to safety engineering and protection of building structures;
- Technical and economic evaluations.

What do you learn?

The educational program can be oriented either towards strictly engineering aspects (first path) or integrated with aspects related to Building Architecture (second path).
The first year, common to both paths, introduces students to the foundational language of Engineering and includes courses in Mathematics, Physics, Chemistry, Technical and Compositional Architecture, and Architectural History.
In the second year, Physics II completes the foundational training and provides basic competencies in Building Engineering, including courses related to Thermal aspects, Systems, Structures, and Surveying.
The third year focuses on applications, particularly in the areas of structural design for new and existing constructions, as well as Urban Planning.
The second path differs from the first by introducing courses with a stronger focus on architectural/urbanistic subjects.
Specifically, it includes a second course in Architectural Design, one on construction techniques, and another on building appraisal.
The third-year training for both paths is completed with elective courses, allowing students to deepen their understanding of legislation across all areas of construction.

What can you do with it?

The Bachelor's Degree Program in Building Engineering, Innovation, and Retrofitting prepares professionals who primarily work in the field of building design and the management of traditional and industrialized construction sites, or within companies in the sector, for new construction or the restoration of existing structures.
It also covers the management and organization of the building process, focusing on materials, products, and components, as well as the surveying and evaluation of building assets.
Graduates can perform these roles on behalf of companies, firms, private and public administrations, or they can deepen their expertise in seismic vulnerability and the restoration of existing buildings by enrolling in the Master's Degree Program in Building Systems Engineering, which serves as a continuation of their educational path.

CHEMICAL AND BIOCHEMICAL ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Spain
United Kingdom

What is the objective of the course? What is it?

Chemical and Biochemical Engineers have a key role in contemporary society as they manage complex technologies and produce a huge amount of products crucial for the high standard of life that we know.
Thanks to their efforts they offer society wide availability of food and drinkable water (sustainable fertilizers and pesticides, desalters and potabilizers), new energy vectors (biofuel, hydrogen, fuel cells) new materials for thousands of applications (drugs also with controlled release, traditional and adaptive polymers, organic electronics), processes for the decontamination of air, water and soil.

The Chemical and Biochemical Engineers, who have been trained in Palermo for more than 40 years, have a multidisciplinary background that combines Physics, Chemistry and Biology with the technological foundations of Engineering.
Therefore, they are able to participate in the solving process of complex problems at a wide range of length scales, from the (bio)molecular to the industrial scale.
Thanks to these unique characteristics, Chemical and Biochemical Engineers are extremely appealing graduates to prospective employers in all industrial sectors, including pharmaceutical and biotechnology, food and consumer products, in the development of traditional and high tech materials and devices, and in the fields of energy and environmental preservation.

What do you learn?

The Bachelor's Degree Course is characterized by the following 3 main elements:

- Knowledge and understanding of fundamental science: mathematics, physics, chemistry and biology.
- Knowledge and understanding of industrial engineering fundamentals.
- Knowledge and understanding of chemical and biochemical engineering fundamentals: thermodynamics, transport phenomena, unit operations, process plant design, material science, biochemistry, microbiology.

What can you do with it?

Most of the Chemical and Biochemical Engineering Graduates from University of Palermo proceed to attend a Master's Degree in Chemical Engineering as this further upskilling of their competences opens doors to much better job positions and salary.
Bachelor level graduates can easily find positions as specialized technicians in many different industrial sectors such as refinery, petrochemicals and the process industry, even if with salaries that are generally lower than those of Master's graduates.

CIVIL ENGINEERING

CLASS L-7 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Croatia
France
Germany
Portugal
Romania
Slovenia
Spain

What is the objective of the course? What is it?

The Bachelor's Degree program in Civil Engineering is designed to train professionals capable of taking on technical roles in various contexts that require specific methodological and operational skills. The proposed curriculum emphasizes the importance of a foundational knowledge in mathematics, physics, and chemistry, along with technical and scientific training necessary for interpreting and solving problems arising in the field of Civil Engineering. Students will be able to learn independently and update their knowledge in line with the evolving sector. In particular, the program includes the acquisition of skills in various fundamental topics. These include the principles, methodologies, and tools for structural calculations, as well as the criteria for designing structural elements and medium-complexity structures. Additionally, students will study the principles for designing hydraulic works, both in urban and extra-urban contexts. The course also addresses the criteria and methods for the design of road infrastructures, including their construction and management. Another relevant aspect is the traffic engineering and transport systems, focusing on the analysis of traffic demand and the capacity offered. Students will also learn surveying techniques and for the representation of structures and infrastructures, the physical-mechanical characterization of soils, and techniques for conducting experimental tests.

What do you learn?

The Bachelor's Degree program in Civil Engineering is structured to ensure a comprehensive preparation. In the first year, foundational knowledge is imparted to develop a scientific language and knowledge in the fields of mathematics, chemistry, physics, and design, which are considered preparatory for subsequent studies, along with a test of English language proficiency. In the second year, the curriculum is enriched with additional disciplines from the mathematical and physical sectors, as well as other subjects in Civil Engineering, which are useful for deepening the scientific and technical training necessary to interpret, describe, and solve problems pertinent to the educational path. In the third year, the focus shifts to acquiring applied knowledge specific to the degree program, aimed at training students in the various disciplinary areas characteristic of the curriculum and achieving the previously listed specific objectives. To facilitate learning, the teaching methods include lectures and classroom exercises, complemented by practical activities such as laboratories, technical visits, and internships at companies, public entities, and engineering firms. The program is completed with elective courses (12 ECTS), activities for job placement (3 ECTS), and a final exam (3 ECTS) to assess students' learning outcomes, judgment autonomy, and communication skills.

What can you do with it?

The graduate in Civil Engineering will be able to work in a variety of roles, supporting and collaborating in activities such as design, project management, estimation, and testing of civil works, as well as in accounting activities related to simple civil works, using standardized methodologies. She/he will also be capable of performing direct, instrumental, and geometric surveys of various kinds. After passing the state examination, the graduate can register with the Order of Engineers (section B – Junior engineer) and engage in professional activities. These activities may include support for the construction, maintenance, and management of civil engineering works. Job opportunities range from public and private technical offices to engineering companies, construction firms, and industries within the civil construction sector. Finally, the Master's Degree Program in Civil Engineering represents an important opportunity for specialization and further study in the field of civil works.

COMPUTER ENGINEERING

CLASS L-8 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Austria
China
Czech Republic
France
Germany
Lithuania
Spain
Turkey

What is the objective of the course? What is it?

The Bachelor's Degree Course in Computer Engineering trains young specialists capable of designing and managing computer applications and systems.
A Computer Engineer can design and develop any software product ranging from web and mobile applications to large database-driven applications typical of organizations such as public administrations, banks, and hospitals.
Such a figure analyzes the scenarios and the usage patterns of such applications and chooses the most suitable programming languages to develop the software.
A Computer Engineer also deals with the design of computer systems by assessing the computational, storage, and data transmission capabilities required for the correct and efficient management of a specified scenario.
In this area, the Engineer is also able to choose among the possible computing infrastructures, operating systems, and networking solutions offered by different suppliers.
The professional profile formed by the Bachelor's Degree Course also focuses on problems related to the computer security of hardware and software infrastructures establishing rules and criteria for internet and and enterprise network access.

What do you learn?

The Bachelor's Degree Course provides essential background in core disciplines such as: Mathematical Analysis, Geometry and Algebra, Physics, Numerical Methods for Engineering.
The other subjects are divided into two major areas.
Computer Engineering: Computer Fundamentals, Programming, Algorithms and Data Structures, Databases, Operating Systems, Computer Networks, Software Engineering, Web and Mobile Programming.
Further Information Engineering subjects: Electrotechnics, Electronics, Signal Theory, Automatic Control.
The student will be able to choose additional optional courses, do an internship, and take a final test to get the Bachelor's Degree.

What can you do with it?

The Bachelor's Degree graduate will be able to work as a freelance designer of computer systems and applications or will work in private companies in the IT field or in public and private institutions that need experts in the management of computer systems.
The Bachelor's Degree can also be enriched with the Master's Degree in Computer Engineering, which complements the program by focusing on topics related to the most recent and advanced information technologies, such as Artificial Intelligence, Big Data, Robotics, Image Processing, and CyberSecurity, in collaboration with the research laboratories of the Department of Engineering.

DIGITAL ENTERPRISE INNOVATION ENGINEERING

CLASS L-8 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
France
Germany
Lithuania
Portugal
Spain
Turkey

What is the objective of the course? What is it?

The Bachelor's Degree aims to train a first-level engineer with solid basic engineering knowledge and specialist digital and economic-managerial skills, which allow him to manage production and organizational processes, design and create services and products, in public and private companies characterized by extensive use of digital technologies.
The student is given the skills necessary to solve technical, IT, economic, managerial and organizational problems using typical engineering tools, with sufficient general preparation to quickly acquire and adapt, even independently, their training to the changing needs of the world of work.
The Degree Course offers students an educational path that aims to combine basic scientific knowledge with technological innovation and the training of digital innovation experts with particular reference to the areas of management engineering and computer engineering.
The course of study will allow the graduate to bring digital innovation to the world of businesses operating in both the production and service sectors.

What do you learn?

The training project is based on a solid education which involves the acquisition of knowledge and skills relating to the basic disciplines typical of engineering such as mathematical analysis, geometry, physics and the fundamentals of information technology.
The disciplines most linked to the peculiarities of the profession take on particular importance, as they allow us to fully understand the regulatory, economic and management aspects of companies, such as economics and law relating to digital markets, quality management and development. of the product.
The training project also gives the opportunity to delve deeper into aspects related to the design and management of processes characterizing a supply chain of services and products and to company economics.
The student will acquire solid skills that allow him to identify the best technical and algorithmic solutions to define new processes and products.

What can you do with it?

The graduate will be able to innovate the business world with a strong digital vocation, thanks to the ability to design software systems, to understand the functioning of the internet, and to use the main machine learning technologies.
The training project also gives the opportunity to delve deeper into aspects related to operating systems and databases and to acquire knowledge and skills in the field of designing and programming software systems.
Graduates in Innovation Engineering for Digital Businesses can undertake Master's Degree courses, such as Computer Engineering and Management Engineering.

ELECTRICAL ENGINEERING FOR E-MOBILITY

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
Germany
Portugal
Spain
Turkey
Vietnam

What is the objective of the course? What is it?

The aim of the Bachelor's Degree is to train engineers who, in addition to possessing the basic knowledge and skills of an electrical engineer, know how to apply and apply such knowledge and skills to the electric mobility sector. Electric mobility was born as a response to the pressing demand for reducing polluting emissions from combustion engines; therefore, all vehicles that use electric drives for traction and propulsion in their architecture are the subject of study. The subject of study will be battery-powered electric vehicles, hybrid vehicles with internal combustion engines in series/parallel configuration and fuel cell electric vehicles, but also electric drones and modern aircraft in which the progressive electrification of on-board services is expected to reduce and in the future eliminate energy-intensive systems such as hydraulic, mechanical and pneumatic systems. The vehicle is not the only object of study, the power systems are studied as well as the measurement devices of the electrical network that supplies energy for the new sustainable mobility.

What do you learn?

The Bachelor's Degree offers students an educational path that combines the basic scientific knowledge of Engineering with an innovative path that aims to project the current mobility characterized by energy inefficiencies and generation of pollutants, into the future mobility already present in the development policies of the European Union, but also beyond, providing the basis for the development of autonomous vehicles that are the object of strong interest on the market. The graduate in Electrical Engineering for E-Mobility will possess the basis for designing, building, managing and testing all the electrical parts on board the vehicle (batteries, converters, motors, wiring and measuring instruments) and for designing, implementing, managing and testing the electrical infrastructures supporting E-Mobility (distribution networks, distributed generation, smart-grid, charging infrastructures). In order to follow the strong innovations required by the market, the Degree Course has a strong laboratory connotation.

What can you do with it?

Given the applicative nature of the Course, the graduate in Electrical Engineering for E-Mobility will be characterized by a multidisciplinary preparation with a marked professional approach and therefore will be able to be immediately inserted in all work areas related to electric mobility. In particular, he/she will be able to work in: Industries for the production of components, equipment and systems for electric mobility; Industries for the production of components, equipment and systems for the conversion of electrical energy; Automotive industries; Public and private bodies for transport services; Maintenance, repair and overhaul centers for electric vehicles; Consulting services for the electric mobility market; Public and private bodies for the distribution of electrical energy; Public and private bodies for the design, construction and management of electrical infrastructures for mobility; Expert in safety for electric vehicles and electrical systems; Freelance profession after registration in the professional register; Public employment (municipal technical offices, ministerial departments). In addition to starting a career, graduates in Electrical Engineering for E-Mobility will have the opportunity to continue their studies with a training program dedicated to them.

ELECTRONICS ENGINEERING

CLASS L-8 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Czech Republic
Greece
Poland
Romania
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
Greece
Poland
Romania
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Electronic Engineering trains professionals capable of covering technical and organizational roles, even in a design and research context, privileging the specific aspects of the field of Electronics, without neglecting the general aspects.
The Degree Course is divided into 4 curricula: Modern Electronics, Internet Technologies, Biomedical Information Technologies, Electronics for Robotics and Mechatronics.

The specific objectives are: To train engineers able to operate in the sectors of design, development, engineering and production of electronic devices and systems, design, engineering, production, operation and maintenance of telecommunication systems by studying in depth the most common communication protocols and the Internet-of-Things, also through specific laboratory activities, design and characterization of biomedical measurement systems, as well as implementation of techniques for processing data and images of interest for biomedicine, for the analysis and modeling of physiological systems, and for the management and transmission of medical information, to operate in the field of complex systems through identification and filtering techniques, modeling, analysis, simulation and control of the main mobile robotic platforms.

What do you learn?

What do you learn? The training profile of the Degree in Electronic Engineering allows you to develop high-tech skills, such as:

- Design and production of electronic components, subsystems and systems;
- Knowledge of computer hardware and software, application packages and programming languages;
- Engineering, operation and maintenance of electronic systems;
- Electronic control of equipment, machines, production chains;
- Management of electronic measurement systems, laboratories and production lines;
- Design of ICT infrastructure, systems and services;
- Management of ICT infrastructure, systems and services;
- Analysis and sizing of telecommunications equipment, systems or networks;
- Ability to create, modify or verify software and other applications related to the management and operation of telecommunications networks;
- Design, production, management and testing of biosensors and biomedical instrumentation;
- Development of algorithms for processing biomedical signals and images;
- Use of appropriate medical software for diagnostic assistance;
- Solution of methodological and technological problems in the physiological and clinical fields – identification and filtering of dynamic systems – modeling, analysis, simulation and control of the main mobile robotic platforms available today, with specific reference to robotic architectures and control of algorithms for vehicles and aircraft.

What can you do with it?

The graduate in Electronic Engineering can work in the sectors of design, development, engineering and production of electronic devices and systems, in contexts ranging from micro/nano electronics, to electronic design, to electronics for industry, energy, automobiles, biomedical systems, robotics.
Typical employment areas are industries for the design or development of semiconductors, integrated circuits, components, electronic devices and systems; automation and robotics, transport, aeronautics, energy industries; companies producing, marketing and distributing electronic and IT products and devices; manufacturing and service companies that use electronic technologies and infrastructures for automation and control; production companies that use electronic technologies and infrastructures for signal processing in the civil and industrial sectors; public administrations; consultancy companies for electronic design; research institutions; regulatory and control bodies; freelance activities for the design and creation of electronic systems; system and service integrators and ICT consultancy companies; network operators that manage telecommunications systems; companies and entities, public and private, that provide telecommunications, remote sensing and traffic control services; regulatory, standardization and certification bodies.

ENERGY AND RENEWABLE ENERGY ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Czech Republic
France
Germany
Greece
Lithuania
Poland
Spain
Sweden

What is the objective of the course? What is it?

The specific objective of the Bachelor's Degree in Energy and Renewable Sources Engineering at University of Palermo is to train an engineer with the skills to operate adequately in the fields of electrical, energy and even nuclear engineering, with in-depth knowledge of the principles underlying the processes of production, distribution, management and use of energy in its various forms: electrical, nuclear, thermal and from alternative and renewable sources, of the related components and systems, of the related environmental, economic, regulatory and safety implications.
The envisaged educational pathway also considers recent trends towards the decarbonization of energy cycles and the development and diffusion of technologies with reduced environmental impact.
It shares with the other industrial engineering degrees offered at the location the basic subjects and some common characterizing subjects and envisages a greater emphasis on training in the characterizing disciplines of electrical engineering, energy engineering and nuclear engineering as well as industrial safety and security engineering.
In order to respect the diversity of the fields of application, the course then delves into further specific aspects of the individual characterizing fields of application.
The Course is also enriched with related subjects that complete the planned training.

What do you learn?

The Bachelor's Degree program includes:
- Basic training activities mainly in the fields of mathematics, physics and chemistry and characterizing, in particular computer-aided technical drawing, construction science and computational methods for engineering;
- Common training activities specific to the proposed training pathway concerning in particular: materials technology, environmental physics, energy, principles of electrical engineering, electrical components and systems, renewable energy sources;
- Differentiated training activities for the curricula to deepen knowledge in the relevant fields:
  - Electrical: electrical machines, electrical instrumentation and measurements, electrical systems, electronics and home automation applications, smart grids, distributed power generation from renewables.
  - Energy: energy planning and management, energy assessment and certification, thermomechanical measurements, environmental comfort control, machines, building thermos-physics, industrial thermal uses of renewables;
  - Technology and production: principles of nuclear engineering, thermos-hydraulics, safety and risk analysis, machinery, thermos-mechanics, fossil fuels.

The training is supplemented, within the teachings that require it or also through seminars, by notions of statistics, economic-business culture, mechanical technologies, with specific reference to the applications of interest.

What can you do with it?

Occupational perspectives include employment in:
- Institutional and private companies dealing with the provision of complete energy services, not limited to the supply of electricity but also gas, heat, servicing (also financial) as well as turnkey plants – public administration (technical offices, energy managers, authorities);
- A large number of manufacturing companies operating in the energy and energy machinery sector;
- Freelance professionals in professional firms or companies that design, manage or install energy and electrical systems, deal with energy certification and environmental impact assessments.

Graduates in Energy and Renewable Energy Engineering, after passing the State Examination, can enroll in the Register of Engineers, with the title of Junior Engineer.
Intense is the activity related to both the design and implementation, testing and management of thermal, electrical, cogeneration, trigeneration, and air-conditioning systems for environmental control in civil, tertiary, and industrial buildings, etc., as well as the fulfilment of technical and environmental authorizations for the implementation and management of systems using renewable energy sources.
The extension of studies can continue naturally and without Additional Training Obligations in the Master's Degree Courses in 'Electrical Engineering' and 'Energy and Nuclear Engineering' at the University of Palermo.

ENVIRONMENTAL ENGINEERING FOR SUSTAINABLE DEVELOPMENT

CLASS L-7 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Environmental Engineering for Sustainable Development Bachelor's Degree aims to train technicians experts in the protection and restoration of the natural and man-made environment. The training course starts from the analysis of the environment in which society lives and evolves, from the definition of the potential of the resources it uses and consumes (water, air, soil...), from the residues it produces. It analyses the phenomena of alteration which change its status in terms of quality and safety and comes to the study of the measures for protection, maintenance and restoration of environmental quality, to be implemented with care, as well as the technical aspects, also to the environmental, economic and social sustainability dictated by the UN 2030 Agenda, with its 17 goals for a sustainable future at global level. The Degree Course provides for the in-depth study of topics relating to both the knowledge of the territory (using the most advanced monitoring and control techniques), as well as the pollution of the various environmental sectors (air, water and soil) and the related prevention and remediation measures. The skills of the graduate student in Environmental Engineering for Sustainable Development are related to the design of manufactures and works, Monitoring and controlling of environmental parameters and variables characterizing natural and productive processes, the operation of plants and the evaluation of the sustainability of interventions.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

Students of the Environmental Engineering for Sustainable Development Bachelor's Degree learn to:

- Analyse and interpret environmental data, including by advanced statistical methods, for the assessment of pollution phenomena;
- Design of interventions aimed at the protection and restoration of the environment and soil protection, using the latest techniques and tools for dimensioning components, systems and processes;
- Identify the areas at risk (chemical, industrial, hydrogeological) in relation to its protection against natural events and human activities;
- Assess the environmental compatibility of projects, including in terms of sustainability, in relation to existing regulations;
- Participate in the formation and management of urban, territorial and environmental plans and plans for the use and enjoyment of nature reserves and parks.

In the first-year students acquire fundamental knowledge from basic disciplines but also from courses in computer science and applied ecology. During the second year they acquire knowledge characterizing and, finally, during the third year, they acquire professional knowledge, following courses such as Construction Science, Sanitary and Environmental Engineering, Geotechnics, Hydrology and Climatology, considered essential for the training of an environmental engineer even in a climate change context, as well as further training activities.

What can you do with it?

The graduate in Environmental Engineering for Sustainable Development Bachelor's Degree will be a junior Environmental Engineer (Register "B" Order of Engineers) and will perform the following functions:

- Participation in project groups for water treatment and waste management works, soil protection interventions; installations for the use of energy resources, with particular reference to renewable and alternative ones;
- The assessment of the environmental compatibility of plans and projects;
- The conduct of experiments and the analysis and interpretation of data relevant to the environment;
- The use of techniques and methods to assist in the design of components, systems and processes in agreement with environmental requirements;
- Participation in the drafting of town and country plans.

The employment opportunities of the graduate in Environmental Engineering for Sustainable Development are public and private bodies, companies, professional studies, the liberal professions and, more generally, all those interested in planning, The design, implementation, monitoring, control and management of interventions aimed at environmental protection and soil protection.
Finally, the graduation allows access to the master's degree in Engineering and Innovative Technologies for the Environment, which the graduate will be able to attend while simultaneously carrying out the work activities that the degree already obtained allows.

MANAGEMENT ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Czech Republic
Finland
France
Germany
Lithuania
Poland
Portugal
Spain
Sweden

What is the objective of the course? What is it?

Companies, which are responsible for driving the economic growth of every Country, are very complex systems that require specialized and professional skills to be managed.
Management engineers employing quantitative tools and methodological rigor, elements typical of engineering sciences, find solutions for managerial and organizational problems so reaching high levels of efficacy and effectiveness and achieving a continuous improvement of business results.

Therefore, the education of management engineers requires a set of skills that encompass technological, productive, economic, organizational, managerial, and even sociological and psychological disciplines, and contribute to reaching a full understanding of all business phenomena.
In sum, a management engineer is called on to solve technical, economic, managerial and organizational problems in both manufacturing and service companies by leveraging methods and skills that characterize engineering sciences.
For this reason, the Bachelor Degree Course in Management Engineering of the Univerisità di Palermo trains management engineers and responds to the needs of transversal skills that are increasingly required by the world of work and by companies.
Particularly, the multiplicity of skills that distinguish a graduate in Management Engineering supports the interaction among the various company actors, allowing a more effective management of the company.

What do you learn?

The Bachelor's Degree Course in Management Engineering lasts three years and covers 180 credits.

GENERAL INDEX
DEPARTMENT INDEX

The preparation of a Bachelor Degree Graduate Management Engineer is based on a solid basic training program and on the development of design and problem solving skills.
The Management Engineering Bachelor Degree program is divided into three main blocks of disciplines.
The basic disciplines focus on the study and comprehension of the main scientific principles, an essential prerequisite for a subsequent in-depth study of technological, engineering, economics, and organizational variables.
The students will acquire skills in the fields of mathematics, physics, geometry, and chemistry.
The engineering disciplines include disciplines from basic engineering science such as statistics, operations research, business information systems, materials and production technologies, quality and production management, product development, plant management and industrial plants.
Finally, the management engineering disciplines are related to specific economic, managerial, and organizational topics, such as economics, business management and organizational behavior, and management of industrial plants.

What can you do with it?

The Management Engineering Bachelor's Degree integrates a solid scientific and engineering background with a wide knowledge of economics and management.

This preparation allows management engineers graduating from the Università di Palermo to follow diverse career opportunities operating in an extensive scope of professional activities such as: planning and management of manufacturing and logistics systems, strategic planning, marketing, cost accounting, organization, finance, project management and management and planning of new Information and Communication Technologies.
The most natural continuation of the program is the Master Degree Course in Management Engineering offered by the Università di Palermo.
For admission requirements please see the related Master's Degree in Science Program.
The Master's Degree Management Engineering program opens up rewarding and exciting career opportunities to its students.
The multiple business function skills of the management engineer allow her/him to find a job very quickly (official statistics report that in 2019, 97.7% of graduate students found an employment within one year from graduation).
Management Engineering graduates can find employment in any kind of industry (Automotive, Agrofood, Oil and Gas, Textile and Fashion, Business Consulting, Banks, Healthcare, Public administration, etc.), filling different positions in a variety of business functions (Operations and Supply Chain, Marketing, Corporate Finance, R&D, Controlling, etc.).

MARINE TECHNOLOGIES ENGINEERING

CLASS L-9
CAMPUS Trapani
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Bachelor Degree Course aims at training professionals responding to the needs of the labor market in the fields of industrial production, production of energy from the sea, industry of marine extractions, movement of goods and passengers and of the design of works aiming at the protection of the coasts.
In line with the provisions of the qualifying educational objectives for graduates in the L-9 Degree class, “Industrial Engineering”, graduates in “Marine Technologies Engineering” will have adequate knowledge of the methodological-operational aspects of mathematics and other sciences and will be able to use this knowledge to interpret and describe engineering issues.

The specific objectives of the course are based on a training path, starting with a solid basic training built on disciplines such as mathematics, physics, chemistry, which develops on the design skills deriving from the main engineering disciplines. Among these, the disciplines related to the mechanical engineering, manufacturing and plant engineering sectors take on particular importance. The methodological-operational aspects of sciences, namely of industrial engineering, will be deeply investigated, in such a way as to enable graduates to identify, formulate and solve problems using up-to-date methods, techniques and tools.

What do you learn?

The Bachelor Degree Course includes basic and typical industrial engineering subjects and aims at the training of an engineer with solid groundings and soft skills, able to access various Master Degree Courses. At the same time, the course integrates some subjects with a specifically professional nature, with respect to the industrial sector and marine applications, providing tools that can be used in numerous fields of the industrial sector, from manufacturing to transformation. Finally, thanks to the multidisciplinary studies in the field of marine technologies, graduates will gain a wealth of knowledge that can be used in the territory, becoming a precious regional asset.
To achieve the objectives, the Bachelor Degree Course is divided into the following subject blocks:

- Basic subjects (mathematics, physics and chemistry)
- The typical industrial engineering subjects (construction theory, technical physics, electrical engineering, fluid mechanics, drawing, measurements)
- The specific and professional industrial engineering subjects (including mechanical systems, applied mechanics, manufacturing processes, machines and propulsion systems)
- The disciplines more directly related to applications in the marine environment.

The course provides two optional teachings packages from which the student chooses one and two disciplines respectively. Students can select some additional optional disciplines to increase their knowledge of business economics and maritime law.

What can you do with it?

Graduates in Marine Technologies Engineering will find many professional opportunities, ranging from mechanical and electromechanical industries, and companies and entities operating in the energy sector, to manufacturing companies and the technical offices of Public Administrations. Furthermore, the skills acquired in areas strictly related to the marine professions will enable them to carry out their activity in companies operating in the plant and port sector, shipyards, fish farming companies and shipping companies. Having passed a state exam qualifying them to work as an engineer, by enroling in the register of “Junior Engineers”, they will be also able to work as a freelancer in the field of technical consulting. The Bachelor Degree Course also prepares students for admission to Master Degree Courses mainly (but not exclusively) in the field of Industrial Engineering.

MECHANICAL ENGINEERING

CLASS L-9 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
Germany
SEAT OF INTERNATIONAL AGREEMENTS
China
Germany
Greece
Poland
Portugal
Romania
Spain

What is the objective of the course? What is it?

The mechanical engineering Bachelor's Degree course trains a professional who will have basic knowledge and understanding of the issues related to the: design, operation, production, installation, maintenance and regulation of machines and systems, etc...
The mechanical engineering bachelor's degree course prepares for the role of junior mechanical engineer who can work as a freelancer or take up technical positions in the following production areas: mechanical and electromechanical industries; companies for energy conversion, plant engineering companies, industries for automation and robotics, manufacturing industries, industrial installation and testing, maintenance and management of machines.

What do you learn?

The student of the Bachelor's Degree course in Mechanical Engineering will acquire the necessary skills to deal with problems related to the: working, design, production, maintenance and regulation of mechanical artefacts: machines and implants.
The achievement of these skills will be obtained through a course of study that involves the preliminary acquisition of basic knowledge in mathematics, physics and chemistry, followed by in-depth studies in the typical fields of mechanical engineering, such as design, prototyping, manufacturing, process engineering and manufacturing methodologies, management, testing and inspection of components, processes, machines and industrial implants.

What can you do with it?

The Bachelor's Degree course in mechanical engineering, aimed at training a junior mechanical engineer, will enable graduates to continue their studies in a master's degree course or to work.

Graduates in mechanical engineering will find a wide range of employment opportunities, with various functions, mainly in: companies that design, produce and maintain mechanical components; manufacturing, automotive, naval and aeronautic industries; companies for energy conversion; service and industrial consulting companies.

ROBOTICS ENGINEERING

CLASS L-8 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Greece

What is the objective of the course? What is it?

The aim of the Bachelor's Degree program is to provide students with the knowledge, techniques and skills required for the design, development and maintenance of software systems needed for modern industrial and service robotic systems.

What do you learn?

The Robotics Engineering Bachelor's program provides a solid foundation in the fundamental and standard disciplines of information technology.
The main part of the course provides the knowledge of automation, electronics, mechanics and telecommunications in the context of robotics and the knowledge of computer technology for robotics.
This knowledge enables the robotic engineer to analyze problems in the industrial and service sectors and to design, develop and maintain software systems related to the identified robotic solutions, including the analysis of ethical and legal issues.

What can you do with it?

The main employment opportunities for the robotics engineer are freelance work as an analyst, designer or tester of robotics software systems or parts thereof.
In addition, the robotics engineering graduate may work in public and private service organizations, such as companies that manufacture robotics hardware and software, industries that use automation and robotics systems, and companies that operate in the public and private service sectors related to automation and robotics.
The graduate who wishes to continue his or her studies can enter the Master's program in Computer Engineering, which already has a specific curriculum in Artificial Intelligence and Robotics, without educational debt.
He or she can also complete the Master's degree course in Cyber-Physical Systems Engineering for Industry and the Master's degree course in Electronic Engineering.
The training chain is ideally completed with the international ICT doctorate program, in which there are several profiles in the field of robotics.
The Master's graduate can also participate in the recently established Doctorate of National Interest in Robotics and Intelligent Machines.

AEROSPACE ENGINEERING

CLASS LM-20 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree Course in Aerospace Engineering provides knowledge and skills necessary to analyse and design complex aerospace systems, the study of which requires the integration of different fields in a strongly interdisciplinary framework.
The Course trains professionals capable of operating in competitive production and management contexts, providing the tools to identify, formulate and solve complex multidisciplinary problems typical, but not exclusive, to aerospace applications.

What do you learn?

Students will acquire in-depth knowledge of the mechanics of materials, structures, fluids and the interaction between fluids and structures.
They will study dynamics and automatic flight control.
They will delve into agas-dynamics and aerospace propulsion.
The course also emphasizes the study of modern production methods, including additive manufacturing.
These contents will be employed in a class of conceptual aircraft design, aimed at providing a problem-solving overview of design and enhancing teamwork skills.
Optional and elective courses allow the training to be customized and refined, with additional knowledge of computational fluid dynamics, or advanced manufacturing, or collaborative robotics or machine learning.
A feature of the training project is the emphasis placed on the use of computational methods for solving the problems considered in the various courses.

What can you do with it?

Master's Degree graduates in Aerospace Engineering typically find employment in aviation and aerospace industries, both nationally and internationally; in companies that require multidisciplinary knowledge for the production or management of high-tech products, processes and systems; in bodies for the management, maintenance, certification and control of civil aviation and air transport; in military bodies and structures with air capacities; in research bodies and centers or universities.
The Course also provides knowledge useful for passing for the enrolment in the Register of Engineers, which is necessary for practicing as a freelance professional engineer.

AUTOMATION AND SYSTEMS ENGINEERING

CLASS LM-25
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Norway
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Norway
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree in Automation and Systems Engineering is part of class LM-25 (Automation Engineering).
It serves as a continuation of the Bachelor's Degree in "Ingegneria dell'Automazione e dei Sistemi" and, more broadly, as a Master's program of interest for graduates of Bachelor's Degrees in Information Engineering (L-8 R) and Industrial Engineering (L-9 R).
The program offers a multidisciplinary study path with a strong focus on Automation, enriched by transversal knowledge in industrial and information engineering.
This enables students to acquire specialized skills in process engineering, management, and control of complex systems in industrial automation, robotics, and mechatronics, as well as in the typical fields of smart factories (Smart Industry or "Industry 4.0").

What do you learn?

The course provides knowledge and methodological skills in both automation and control engineering (continuous and discrete-time) as well as in industrial technologies.
It includes in-depth studies on:

- The dynamics of mechanical systems;
- Embedded sensors;
- Automatic systems for measurement chains;

Additionally, it explores topics from information engineering, highly relevant in industrial contexts, such as:

- Data analysis, filtering, and classification;
- Machine Learning and Deep Learning algorithms;
- Cybersecurity and Cloud security.

These elements significantly enhance the quality and security of a typical industrial production chain.
The program also features a variety of laboratory activities integrated into almost every course.
Special emphasis is placed on opportunities for study and experimentation in state-of-the-art labs, focusing on Additive Manufacturing and advanced modeling and visualization techniques (Augmented Reality).
This hands-on approach provides graduates with cutting-edge skills aligned with the most innovative market demands.

What can you do with it?

Graduates have multiple career opportunities in both industrial and non-industrial sectors where automation principles and cyber-physical system technologies play a critical role.
They can work as system engineers, designers, or technicians across various application domains.
Career prospects include,but are not limied to:

- Electronic, mechanical, automotive, aerospace, electromechanical, chemical, and robotics industries (industrial, mobile, and underwater robotics);
- Service providers (water management, network services, transportation, energy, civil and industrial automation, big data, Internet of Things, and related services);
- Research and development centers and laboratories for automation;
- Public administration and freelance professions.

Graduates in these fields find employment quickly, often with some of the highest entry-level salaries across all engineering disciplines (source: AlmaLaurea official data).
The multidisciplinary preparation provided by the program offers excellent employment prospects while also allowing graduates to pursue further education at the doctoral level.
They can join national and international PhD programs in cultural and scientific fields related to automation systems and their industrial applications.

BIOMEDICAL ENGINEERING

CLASS LM-21 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
France
Greece
United Kingdom

What is the objective of the course? What is it?

The Master's Degree in Biomedical Engineering is a natural prosecution of the Bachelor Course in Biomedical Engineering and aims to prepare professionals with interdisciplinary competenzes and skills in the frame of biomaterial engineering, hardware and software technologies, biomechanics, regenerative medicine and biomedial devices (mechanical, electronical, robotics), testing and maintenance of equipment used in sanitary structures.
The formation of Master Biomedical Engineers is organized to provide the students with solid training in the field of the methodologies and technologies of engineering, applied to medical-biological area.
The first part is devoted to mandatory subjects typical of characterizing scopes of biomedical engineering (Bioengineering and Biomedical Disciplines) that range from the analysis and modeling of biomedical signals to tissue engineering, cellular bioengineering, diagnostic imaging, technologies of regenerative medicine, to allow the student to specialize around preferred interest, also thanking to wide space given to master thesis and internship.

What do you learn?

Master Biomedical Engineer owns a solid base education in engineering disciplines that are integrated and assisted by specific knowledge in specific areas.
In the area of biomaterials, Master Biomedical Engineer consolidates the training studying their main properties and characteristics, their nature and interactions with biological tissues.
Moreover (s)he is able to design artificial systems for the functional recovery of a tissue or organ to be substituted, integrated or rehabilitated.
In the area of diagnostic technologies, (s)he consolidates the training on analysis, modeling and elaboration of biomedical signals and, moreover, in electronics, mechatronics and robotics, aided by a base preparation in the medical-biological area with knowledge on specific applications.
(S)he is able to elaborate and analyze medical-biological signals, images and data.
Moreover, (s)he is able to apply techniques to design electronic circuits, methodological tools and quantitative methods to study physiological systems.
In the area of biomechanics, (s)he consolidated the training on knowledge and applications of biomechanics and movement, studying functional devices for controlled release.
In particular, s(he) is able to use methodological and calculation tools, necessary to describe transport phenomena of fluids and substances in biomedical field.

What can you do with it?

Master Biomedical Engineer can operate both as freelancer and in industries, companies, hospitals, specialized clinical labs, research centers and universities.
The graduated students will be able to work in differed fields and productive sectors: research and development, design and production of biomaterial with particular reference to those for devices; systems and equipment for diagnosis, recover and rehabilitation; design, production, management and testing of medical and diagnostic equipment; solution of methodological and technological problems for applications in physiology; sanitary, informatic, diagnostic assistance services; research, modeling, management of biomechanic, bioartificial, biological and prosthetic structures and components.
According to the current legislation, the master biomedical engineering has access to private practice, subjected to passing the corresponding state examination and following registration with the Register.
Finally, getting the degree of master Biomedical Engineering allows, after a period of internship under the guidance of a qualified and certified expert, to get access to qualifying examination for registering as qualified expert (I level) in charge of physical monitoring of radioprotection.

BUILDING ENGINEERING

CLASS LM-24
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
France
Poland
Romania
Slovenia
Spain

What is the objective of the course? What is it?

The program aims to train professionals specializing in the various areas involved in building design: structural, systems, architectural and restoration, and materials.
These areas are covered in the different courses under the guiding principles of sustainability and innovation.
The goal of the program is to develop new professionals capable of addressing the design of even complex building systems in an interdisciplinary, flexible, and innovative manner, taking into account new technologies, construction methods, and materials, while ensuring structural safety, energy efficiency, and the architectural quality of buildings.

What do you learn?

Students will acquire knowledge about:
- The design and construction of buildings, as well as the restoration and use of existing buildings;
- Structural design of systems in reinforced concrete, steel, and masonry, with particular focus on structural safety in seismic zones, addressing both new constructions and the consolidation and strengthening of existing structures;
- Systems design, with an emphasis on topics related to energy-environmental sustainability and construction safety;
- Issues related to the use of traditional and innovative construction materials, with particular attention to degradation and durability.

What can you do with it?

In addition to practicing as a freelancer, graduates with a Master's Degree in Building Engineering can hold both technical-administrative and managerial positions of high responsibility within public and private organizations.
Graduates will also possess knowledge in the fields of business organization and professional ethics, gained through internship experiences.

They will be able to communicate and articulate issues related to the specific aspects of building systems, engaging in discussions by presenting ideas and offering solutions to both specialist and non-specialist audiences.

CHEMICAL ENGINEERING

CLASS LM-22 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Czech Republic
China
France
Greece
Kenya
Lebanon
Portugal
Spain
Turkey

What is the objective of the course? What is it?

Chemical Engineers play a key role in contemporary society as they manage complex technologies and produce ,many products that are crucial for the high standard of life that we know.
Through their efforts, they offer society a wide availability of food and drinkable water (sustainable fertilizers and pesticides, desalters and potabilizers), new energy vectors (biofuel, hydrogen, fuel cells) new materials for thousands of applications (drugs also with controlled release, traditional and adaptive polymers, organic electronics), processes for air, water and soil decontamination.
Chemical Engineering graduates from Palermo successfully position themselves in many different industrial contexts: chemical, petrochemical, oil, energy, food, water, pharmaceutical and biotech sectors.
The Chemical Engineering Master's Degree is characterized by a strong interdisciplinary component and continuous updating of the contents.
Therefore, graduates are able to understand and solve complex problems at a wide range of length scales, from the (bio)molecular to the industrial scale.
Thanks to these unique characteristics, Chemical Engineers are extremely appealing candidates for all industrial sectors, including pharmaceutical and biotechnology, food, and consumer products, in the development of traditional and high tech materials and devices, and in the fields of energy and environmental preservation.

What do you learn?

The Chemical Engineering Master Degree Course (Post graduate Level) further enhances the curricula of students, allowing for more specialized and advanced knowledge and capabilities for the design, management and optimization of plant and processes for the production of fuels and biofuels, materials, food matrixes and nutraceutical, environmental protection.
Three curricula with many courses in English language are currently offered:

- The Chemical Engineering for Sustainable Processes curriculum delivers graduates able to work in many different fields, (e.g. chemical, biochemical, food, oil, pharmaceutical sectors, with a particular focus on the design and operation of sustainable plants and processe;
- The Chemical Engineering for Materials curriculum delivers graduates able to work in the fields of traditional and innovative material, engineering and bio- and nano- technologies;
- The Chemical Engineering for Food Processing curriculum delivers graduates able to work in the fields of traditional and innovative processes for food processing and transformations and nutraceutical production and valorization.

What can you do with it?

Chemical Engineering Master's Degree Graduates from University of Palermo successfully work in many different industrial sectors.
The following companies frequently advertise jobs requiring this qualification: Eni, Saipem, Erg, Shell, Enel, Basf, Exxonmobil, Lyondellbasell, Solvay, Procter and Gamble, General Electric, Novartis, Unilever, Biochemtex and many more.
A major point of strength is the short time it takes after graduation to find a permanent job.
In the last few years, about 85% of the Master Degree graduates from University of Palermo have found work within one year after obtaining their Degree.
Every year a so-called "Chemical Engineering Week" takes place in order to facilitate the direct contact between industrial companies and graduating students.

CIVIL ENGINEERING

CLASS LM-23 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Poland
SEAT OF INTERNATIONAL AGREEMENTS
Croatia
France
Germany
Poland
Portugal
Romania
Slovenia
Spain

What is the objective of the course? What is it?

The Master's Degree Program in Civil Engineering provides comprehensive training in various aspects of civil engineering, including structural and geotechnical engineering, hydraulic engineering, roads, railways and airports, and transportation. Students will learn about the theory of structures and vibrations, focusing on the design of bridges and steel structures, especially in relation to seismic considerations. They will delve into methods for designing foundations, tunnels, dams, controlled landfills, and slope stabilization techniques. The program also includes sustainable water resource management and addresses issues on sanitary and environmental engineering, and maritime constructions. Students will gain knowledge in the design of road, railway, and airport infrastructures, including safety and management during the construction phase. They will learn to plan, design, and manage the transportation system, conceived as an integrated set of infrastructures, vehicles, and technologies serving mobility. Finally, in-depth knowledge will be provided on methods for conducting experimentally challenging tests, computer-aided design, and computational methods, which are fundamental tools for innovation in civil engineering and applied sciences.

What do you learn?

The Master's Degree Program in Civil Engineering deepens the knowledge acquired during the Bachelor's degree program, training professionals capable of tackling challenges related to both new structures and infrastructures, as well as the rehabilitation and recovery of existing civil works. Students receive solid theoretical and scientific training in the advanced aspects of planning, designing, constructing, and managing civil works, developing skills to identify and solve complex problems that require multidisciplinary and transversal abilities. The educational path of the Master's Degree Program in Civil Engineering is structured to ensure comprehensive preparation. The first year consists of courses that are characteristic of the master's degree program, as well as related courses, aimed at strengthening interdisciplinary training. The second year focuses on in-depth study of disciplines related to various curricula: structures, geotechnics, hydraulics, roads, railways and airports infrastructures, and transportation, in order to achieve the specific educational objectives of the program. The educational offering is completed by optional courses (18 or 12 ECTS, depending on the curriculum) and other training activities useful for entering the job market (6 or 9 ECTS, depending on the curriculum). Finally, the final thesis (9 ECTS) verifies the achievement of learning outcomes and assesses the autonomy of judgment and communication skills acquired by the students.

What can you do with it?

The job market offers great opportunities in the field of Civil Engineering. In recent years, there has been a significant increase in employment rates (after one year from graduation is 89%) and a general rise in salaries (Almalaurea data, 2023).

The Master's degree holder in civil engineering is a technical professional capable of planning, designing, constructing, and managing structures and infrastructures for civil use, operating in the fields of hydraulics, geotechnics, structures, and mobility and transportation infrastructures. He/she can assume technical and managerial roles related to feasibility evaluation, cost-effectiveness, and functionality of civil and industrial works, planning based on urban needs, technical direction on-site, monitoring of works, and selection of materials. Additionally, He/she is responsible for preparing feasibility studies for large projects and conducting even complex experimental tests in various areas of civil engineering. After passing the state exam, the Master's Degree graduate can register with the Order of Engineers (section A). Civil engineers will operate in various fields, including: engineering companies; private construction and maintenance companies; public entities with technical offices for managing civil works; companies and consortia for works and services; companies analyzing urban and territorial impacts; research and experimentation centers, both public and private.

COMPUTER ENGINEERING

CLASS LM-32
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
Fiji
France
Lithuania
Spain
Turkey

What is the objective of the course? What is it?

The Master's Degree Course in Computer Engineering trains qualified senior engineers who can coordinate teams that design and develop highly complex computer systems and applications.
Students are trained on cutting-edge technologies in several fields of computer engineering, such as Embedded Systems, Web Applications, Compiler Design, the analysis of Big Data, and basic Artificial Intelligence techniques.
This knowledge is further enriched based on the chosen curriculum with skills related to Cybersecurity and Artificial Intelligence.
The master's graduate in Computer Engineering also acquires transversal skills in multiple engineering fields.

What do you learn?

Curricular training revolves, for the Cybersecurity and Artificial Intelligence curricula, around the following disciplines, respectively:

- Cryptography, Cybersecurity, Data Privacy and Forensic Analysis;
- Computer Vision, Robotics, Natural Language Processing.

In the last semester of the second year, the student will conduct in an integrated form thesis and internship activities in close contact with the faculty members in charge of the research laboratories on which the specialized teachings gravitate.

What can you do with it?

The Master's Degree graduates in Computer Engineering will be able to work either independently or in teams.
Graduates may work as designers and analysts of large computer systems, supervising design and development teams.
Within companies or public and private organizations, a Master's Degree in Computer Engineering will allow one to have executive roles thanks to the extensive technical knowledge provided.

ELECTRICAL ENGINEERING

CLASS LM-28
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Poland
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree in Electrical Engineering, LM-28, aims to train engineers with specific and multidisciplinary skills oriented towards the design, implementation and management of production systems, distribution and use of electricity and its components.
In addition to technical training, the course pays particular attention to all legislative, environmental, economic and safety aspects that characterize electricity, an energy vector that has always been strategic in all industrial and service activities and that, in the last years, has been playing a more and more important role in various innovative areas such as electric mobility, smart grids, renewable energy sources, robotics and electrical drives.
The graduate in Electrical Engineering will be able to conceive, plan, design and manage systems, processes and services, even complex and innovative ones, and will be able to interpret, describe, identify, formulate and solve, with a multidisciplinary approach, the problems of the assorted world of electricity.

What do you learn?

The Master's Degree in Electrical Engineering trains engineers with specific knowledge and skills in the areas characterizing the field of Electrical Engineering (Electrical Engineering, Electric Energy Systems, Power Electronics, Machines and Electric Drives, Electrical and Electronic Measurements), using cultural supports provided by other areas (Energy, Electronics, Automatic, Telecommunications, ...) using various teaching methods, such as lectures, exercises, workshops, traineeships, technical visits and seminars held in the classroom by technical staff from both large national and strategic multinational companies, and small and medium-sized enterprises, also based in Sicily.
The training course is organized in two curricula that branch out from a solid common base of characterizing teachings: the first curriculum is oriented to industry and electric mobility and the second one is oriented to smart grids and energy transition.
The student can further personalize the curriculum by inserting four courses to be chosen from a wide list appropriately arranged to provide knowledge and skills in line with the latest scientific-technical innovations.
This allows a better and clearer vision of the training objectives, in a multidisciplinary context already widely tested in which the course operates, with clear positive results in terms of placement.

What can you do with it?

The Master's Degree in Electrical Engineering combines the solidity of traditional training in the field of electrical industrial engineering with the innovation of more recent fields of application (energy markets, green technologies, smart infrastructures, electric automotive...).
The graduate therefore has numerous job openings in both the public and private sectors (with an average placement rate of 93% within one year of graduation).
In particular: companies active in the fields of production, transmission, distribution, sale and use of electricity, renewable sources, electric mobility, smart grids, manufacture of components, Equipment, electronic power systems and electric drives; free-trade activity and consultancy; researcher at research institutions; designer, technical director, officer, manager in technical offices and laboratories.

ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

(ETE)

CLASS LM-27/LM-29
CAMPUS Online program
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France

What is the objective of the course? What is it?

The Online Master's Degree in ETE has two main objectives:

- To extend the University's second-level training offer, filling the lack of a pathway dedicated to the Telecommunications sector (a sector that is currently in full growth and with excellent employment prospects);
- To intercept, thanks to the online mode, a new pool of students (both working students and foreign students), so as to increase the number of figures trained in the ICT sectors;
- The Course aims to train professional figures with skills in the design, management and optimization of distributed electronic systems, telecommunications networks and services enabled by the availability of these systems (especially with reference to emerging cellular networks and the Internet of Things).

To train these figures, the course proposes:

- Basic skills in the field of electronics, namely design of programmable electronic systems, electronic circuits for radio-frequency applications, instrumentation and measurements, and numerical processing and transmission systems;
- Skills in reference technologies for modern telecommunication systems (from fiber optics, to 5G/6G networks, to new communication bands from microwaves to Tera-Hertz);
- Skills in the complete definition of network systems and services, with particular attention to protocols and security for IoT systems.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The Master's Degree aims to offer an integrated course of study that allows the combination of the technological and applied aspects characteristic of Electronics with those of Telecommunications Engineering.
The LM-29 and LM-27 interclass pathway enhances the interdisciplinary nature of scientific skills and facilitates student transfers between courses in the two classes.
The Master's degree program is divided into three blocks of courses:

- Courses that constitute the training of the second-level Electronics Engineer, namely the in-depth study of applied electronics and programmable systems (applied electronics, electronic programmable systems, data analysis, laser and optical communications);
- Courses that constitute the training of the second-level Telecommunications Engineer, namely, the in-depth study of wireless networks, digital telecommunications and cybersecurity (digital communications, digital signal processing, cellular networks and 5g, cybersecurity);
- Courses that constitute the verticalization of knowledge in the area of Electromagnetic Fields and Electronic Measurements (antennas and wireless systems, electronic instruments and measurements for telecommunications, microwave and terahertz communications);
- Courses of the student's choice as additional preparation in the fields of Electronics and Telecommunications (industrial electronics, nanoelectronics, radar theory and techniques).

What can you do with it?

Master's Degree graduates in ETE are familiar with the methods and techniques for the design of electronic and optoelectronic systems, communication systems, and protocols.
Therefore, they are employed in the fields of design, development, engineering, production, operation, and maintenance of electronic and telecommunications systems, as well as in companies that actively use electronics and telecommunications, such as industry, automotive, energy, and bioelectronics.
They can find employment in public and private enterprises as consultants, employees of research and higher education institutions, and entrepreneurs.
In detail, typical employment areas for these graduates are companies producing, marketing and distributing electronic products and equipment; manufacturing and service companies using electronic technologies and network infrastructure for automation, or in civil, industrial and information; fixed and mobile network operators; networked telematics and multimedia sectors, such as electronic commerce and publishing, Internet services, telemedicine and telesurveillance; public and private companies providing terrestrial or space-based telecommunication services; public administrations; national and international scientific and technological research organizations; regulators and control unities.
They are eligible to enter the liberal profession upon passing the bar exam.

ELECTRONICS ENGINEERING

CLASS LM-29
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Czech Republic
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
France
Germany
Greece
Poland
Romania
Spain

What is the objective of the course? What is it?

The Master's Degree program in Electronics Engineering offers a training path entirely delivered in English and divided into 4 curricula: "Modern Electronics", "Telecommunications", "Electronics for Robotics and Mechatronics", and "Bioelectronics".
The program is characterized by a broad-based approach and aims to train a professional figure with a solid foundation in the following areas: electronics, electrical and electronic measurements, telecommunications, and automation.

Master's degree graduates in Electronics Engineering are able to work in sectors such as micro/nano-electronics, electronic design (including radiofrequency and microwaves), ICT systems, bioelectronics, and robotics.
They provide the answer to the need for transversal skills, nowadays more and more required in the fields of smart cities, Internet of Things, big data, secure and ultra-broadband telecommunications networks, last generation electrical networks, smart and electrical vehicles, home automation, mechatronics, but also of new production technologies and diagnostic medicine.
All master's degree graduates in Electronic Engineering from Palermo find employment in the job market quickly, with excellent prospects for growth and earnings.

What do you learn?

The training path is characterized by several mandatory common courses: applied and industrial electronics, programmable electronic systems, electronic measurements for telecommunications and automation, and microwave electronics.
After these courses, the program is divided into four curricula, each of which allows students to explore aspects of Modern Electronics (optoelectronics, nanoelectronics, integrated optics, heterostructure devices, microwave instruments and measurements), Telecommunications (wireless networks, digital communications, antennas and wireless systems, cybersecurity), Electronics for Robotics and Mechatronics (automotive control systems, industrial robotics, mobile and distributed robotics), or Bioelectronics (biomedical sensors and instrumentation, IoT for biomedical applications, statistical representation and analysis of biomedical signals).
Students' preparation is completed and integrated through several activities carried out in the laboratories of Electronics, Electrical and Electronic Measurements, Microwaves, Microwave Electronics, Optoelectronics, Photovoltaics, Telecommunications, and in Computer Labs.
Students will also have access to a class 100 clean room for courses related to technological aspects.

What can you do with it?

Job opportunities are broad and varied, also depending on the chosen curriculum.
The "Modern Electronics" curriculum allows to work on the design, development and realization of electronic devices and systems, in different contexts including micro/nano-electronics, electronic design, electronics for industry, energy and automotive.
The "Telecommunication" curriculum allows to find a job on the design, development, production, operation and maintenance of telecommunications systems, network operators and ICT service providers offering wired and wireless communications, remote sensing and traffic control, network security, cryptography, cybersecurity, smart grids and network data services.
The "Electronics for Robotics and Mechatronics" curriculum allows to find a job in the automotive, nautical, avionic, railway and electromechanical sector, for companies dealing with industrial or mobile robotics, or in research and development centers specialized in the automation sector.
The "Bioelectronics" curriculum allows to work both in industries, healthcare facilities, specialized clinical laboratories, and also in research centers and universities, with tasks concerning the design, production, management, testing and employment of biomedical sensors, instrumentation and medical software for monitoring of healthy or impaired people, for therapy or diagnostic support, and also for e-health and telemedicine.

ENERGY AND NUCLEAR ENGINEERING

CLASS LM- 30 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Fiji
Germany
Greece
Lithuania
Slovenia
Spain
United Kingdom

What is the objective of the course? What is it?

The Master's Degree Course in Energy and Nuclear Engineering trains Engineering who are experts in the design, management and safety analysis of systems for the transformation of energy in all its forms, with reference to both traditional sources and renewable and nuclear resources.

What do you learn?

The knowledge refers to the general topics of thermo-fluid dynamics, heat transfer, energy systems powered by conventional and renewable sources, environmental impact assessment of energy systems, combustion and heating and refrigeration systems.

What can you do with it?

Graduates will be able to work freelancers, designers in industrial companies and energy service utilities, and in public administration.

GENERAL INDEX
DEPARTMENT INDEX

ENGINEERING AND INNOVATIVE TECHNOLOGIES FOR THE ENVIRONMENT

CLASS LM-35 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
China
Poland

What is the objective of the course? What is it?

The Master's Degree of Engineering and Innovative Technologies for the Environment aims to train technicians who are experts in the protection and restoration of natural heritage and human environment. The training path is strongly characterized by the fact that it is focused to solving complex environmental problems once data are acquired and interpreted. This using innovative and advanced engineering approaches and methods developed specifically for the Environmental Engineer who then become their specific tools that characterize this professional figure. Among the various engineering fields, this is the most multidisciplinary, combining knowledge gained from civil engineering, chemical engineering, energy engineering with strong contamination from mechanical, electrical, computer and management engineering. This is because the senior environmental engineer serves various entities in industry, service infrastructure and public administrations with a wide range of tasks; all of them aimed at protecting and restoring the environment in a sustainable and circular manner.

What do you learn?

The Master's Degree in Engineering and Innovative Technologies for the Environment, in addition to the theoretical-scientific aspects of basic sciences will be able to:

- Know the theoretical-scientific aspects of engineering, both in general and in depth to solve complex or interdisciplinary problems in innovative ways;
- To design, plan, design and operate complex and/or innovative systems, processes and services;
- Analysis and remediation of surface and groundwater bodies, treatment of supply and waste water and waste management, remediation of contaminated sites, techniques for treating discharges into the atmosphere and management of energy resources.

For a better qualification in the acquired knowledge, the Master's Degree provides for the deepening of topics related to both environmental protection and restoration, as well as soil protection. In fact, the Master's Degree course has two profiles:

- Protection and restoration of the environment;
- Water resources and hydrogeological risk.

For each of the two profiles, a first year is planned, including subjects of basic themes for the master's degree as well as some application topics both common to the two profiles and diversified.
The second year is dedicated to the deepening of topics characterizing the Master's Degree Course, diversified in the two profiles.

What can you do with it?

Senior Engineer with the functions of:

- Design of water treatment, waste gas and waste management;
- Planning of soil protection interventions;
- Characterisation of contaminated sites and planning of remediation and/or safety measures;
- Design of plants of alternative and renewable energy resources;
- Performing experiments, analyses and interpretations of environmental data;
- Participation in the drafting of Urban and Territorial Plans;
- Environmental impact assessment studies for plans and projects.

Competence:

- Field activities, coordination and implementation of project interventions for products and works related to environmental protection, soil protection and energy resources;
- monitoring and control of the activities of parameters characterizing natural and productive processes and plant operations.

Job opportunities:

- Public and private agencies, companies, professional practice, freelance activities and more generally with all those involved in planning, design, implementation, Monitoring, control and management of interventions aimed at environmental protection, soil protection and the use of alternative and renewable energy resources.

Finally, the degree programme also gives access to doctoral courses relating to the subjects studied, after passing the relevant public competition.

MANAGEMENT ENGINEERING

CLASS LM-31
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Lithuania
Portugal
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Czech Republic
Finland
France
Germany
Lithuania
Poland
Portugal
Spain
Sweden

What is the objective of the course? What is it?

Conceived as a tech-MBA and specifically designed for students with a Bachelor's Degree in Engineering, the Master's Degree Course in Management Engineering at the Università di Palermo allows students to complement the in-depth knowledge and the way of thinking gained during their engineering background, with the ability to take strategic decisions and tackle management issues.

Management engineers are managers with advanced quantitative problem-solving skills, capable of managing companies that operate in increasingly complex, international and technologically advanced environments.
The program is inherently multidisciplinary and integrates high-level management skills with in-depth technical competences in several areas, such as operations and supply chain, finance, economics, project management, innovation, strategy, logistics, and technology management.

What do you learn?

The Management Engineering program is entirely taught in English and is divided into three discipline blocks: methodological disciplines which include the methodological basis of the second level management engineer such as advanced statistical methods and tools for management engineering, business process modeling techniques, project management methodology and software; core disciplines which study the main business functions of every company, such as marketing, corporate finance, strategy, operations and supply chain, technological innovation and human resources; elective (focus) disciplines which relate to more specific topics such as sustainable technologies, public sector economics, industrial safety, technology analysis, smart manufacturing.

The educational model of the program is strongly based on active learning and the courses are taught using several teaching methods: lectures, practical sessions, case studies, flipped classroom, and in-class discussion.
Students are involved in practical-based labs and project works developed in a team where they can experience real challenges and apply the skills, methods and knowledge acquired.

What can you do with it?

The Management Engineering program opens up rewarding and exciting career opportunities for its students.
The multiple business function skills of the management engineer allow her/him to find a job very quickly (official statistics report that in 2019, 97.7% of graduate students found employment within one year from graduation).
Management Engineering graduates can find employment in all kinds of industries (Automotive, Agrofood, Oil and Gas, Textile and Fashion, Business Consulting, Banks, Healthcare, Public administration, etc.) and fill different positions in a variety of business functions (Operations and Supply Chain, Marketing, Corporate Finance, R&D, Controlling, etc.).

MANAGEMENT ENGINEERING (ONLINE)

CLASS LM-31
CAMPUS Online program
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Lithuania
Portugal
SEAT OF INTERNATIONAL AGREEMENTS
Bulgaria
Czech Republic
Finland
France
Germany
Lithuania
Poland
Portugal
Spain
Sweden

What is the objective of the course? What is it?

Conceived as a tech-MBA and specifically designed for students with a Bachelor's Degree in Engineering, the Master's Degree in Management Engineering offered at the University of Palermo is an online program that allows participants to complement the in-depth knowledge and the way of thinking generated by an engineering background and develop the ability to take strategic decisions and tackle management issues.
Management engineers are managers with advanced quantitative problem-solving skills and the ability to manage companies operating in increasingly complex, international and technologically advanced environments.
The online program is inherently multidisciplinary and integrates high-level management skills with in-depth technical competences in several areas, such as operations and supply chain, finance, economics, project management, innovation, strategy, logistics and technology management.

What do you learn?

The Management Engineering online program is entirely taught in English and is divided into three discipline blocks: methodological disciplines include the methodological foundations of second level management engineering such as advanced statistical methods and tools for management engineering, business process modelling techniques, project management methodology and software; the core disciplines study the main business functions of every company, such as marketing, corporate finance, strategy, operations and supply chain, technological innovation and human resources; the elective (focus) disciplines relate to more specific topics such as sustainable technologies, public sector economics, industrial safety, technology analysis, smart manufacturing.
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Students are involved in practical-based labs and project works developed in teams where they can experience real challenges and apply the skills, methods and knowledge acquired.

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Management Engineering graduates can find employment in all kinds of industries (Automotive, Agrofood, Oil and Gas, Textile and Fashion, Business Consulting, Banks, Healthcare, Public administration, etc.) and fill different positions in a variety of business functions (Operations and Supply Chain, Marketing, Corporate Finance, R&D, Controlling, etc.).

MECHANICAL ENGINEERING

CLASS LM-33
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Lithuania
SEAT OF INTERNATIONAL AGREEMENTS
China
Fiji
Germany
Greece
Poland
Portugal
Romania
Slovenia
Spain

What is the objective of the course? What is it?

The Master's Degree course in Mechanical Engineering aims to train high-level professionals suitable to work in research centers, both public and private, and to carry out professional activities of high technical and scientific profile, even in support of industrial or university research activities, and all with particular attention to the three main typical areas of mechanical engineering: design, production and functioning of mechanical artifacts.

What do you learn?

Various topics will be covered, including multidisciplinary ones, both from a theoretical and practical point of view.
Students will acquire knowledge and skills to develop and manage the different phases of design, production and operation of mechanical components and systems.

In particular, the following issues will be addressed: design of mechanical parts of machines and systems, mechanical characterization of traditional and innovative materials, stress analysis and non-destructive measurements; manufacturing and treatments, including thermal ones, of metallic, plastic and composite materials, organization of industrial production and quality control; continuous and non-continuous combustion, as in internal combustion engines, cogeneration and energy saving systems and volumetric operating machines.

What can you do with it?

Senior mechanical engineers can work in companies, public or private institutions, industries or as freelancers, operating within often multidisciplinary work groups, also assuming coordination responsibilities.
Senior mechanical engineers are required in all industrial fields; they, in particular, largely work in: mechanical and electromechanical industries, chemical industries, companies for energy conversion, industries for automation and robotics, marine and automotive industries, etc.

CULTURES AND SOCIETY

www.unipa.it/dipartimenti/cultureesocieta

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-20 R	Communication Sciences	PA
L-1	Cultural Heritage: knowledge, management, enhancement	PA
L-42 R	Global Studies. History, Policies, Cultures	PA
L-39 R	Social Work	PA, AG

MASTER DEGREE

LM-2	Archaeology	PA
LM-2&LM-89	Archaeological and Artistic Heritage Education	AG
LM-89	Art History	PA
LM-15 R	Classic Studies	PA
LM-92 R	Communication of Cultural Heritage	PA
LM-81 R	Cooperation, Development, Migrations	PA
LM-92 R & LM-GASTR R	Food and Wine Communication	PA
LM-84 R	History, Anthropology and Geography	PA
LM-59 R	Public, Corporate and Advertising Communication	PA
LM-64	Religions and Cultures	PA
LM-87 R	Social Work, Inequalities And Social Vulnerability	PA

COMMUNICATION SCIENCES

CLASS L-20 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Greece
Lithuania
Poland
Portugal
Spain
Tunisia

What is the objective of the course? What is it?

Communication Sciences Bachelor's Degree is a strongly interdisciplinary course that provides the theoretical basis, the methodological tools and the technical knowledges to understand the world of contemporary communication and be able to act within it.
The different specializations of the course reflect the professional fields for which the degree prepares and are chosen after a common first year.

There are five specialization students can choose from the second year:
- Information and Social Media;
- Public Communication;
- Publishing and Cultural Design;
- Visual Culture;
- Marketing and Advertising.

Each of them offers the opportunity to get to know the characteristics of different media, to delve into the functioning of specific types of communicative artefacts, to study the languages used in them, to identify the strategies that can be adopted to achieve specific results, and finally to master the techniques for measuring the effectiveness of communicative actions.
Because of the characteristics of its object of study, the course is distinctly contemporary and future-oriented: due to the great impact of technology on communication processes, the course provides constant attention to innovation and to the way in which technological transformations influence communication processes.

What do you learn?

The interdisciplinary nature that characterises the course in Communication Sciences involves the presence in the formative path both of the so-called humanistic disciplines and of those of a more technical/scientific nature.
Sociological, linguistic, philosophical, historical, literary, artistic and semiotic subjects therefore coexist with economics, statistics, design, computer engineering, to name but a few.
Moreover, being involved in communication entails the need to develop not only theoretical knowledge but also various practical skills, which in the course are entrusted to different laboratory-type teachings, which prepares students to realise a specific communication product.
Here, too, there are various possibilities: from written texts to journalism, from photography to visual design, from scriptwriting to websites, etc.
The course also offers possibilities for customising the curriculum, with various subjects to be chosen from a large number of optional subjects, each dedicated to a specific aspect of communication.

What can you do with it?

There are two types of professional career paths in the communication job market.
There are the professions that we can consider traditional (journalism, advertising, public communication, publishing, etc.) and there are a large number of new professions, such as the digital identity management and social media management for organisations, companies or personalities; new forms of journalism that the Internet has made possible; and also many forms of audiovisual production that have arisen with YouTube and other social networks.
Students who intend to continue their studies by specialising with a Master's Degree can directly access three courses:
- Public, Corporate and Advertising Communication;
- Communication of Cultural Heritage;
- Food and Wine Communication.

While the first offers a broad spectrum preparation on strategic communication, the last two focus on production sectors towards which the Sicilian territory appears to be particularly suited and which have shown considerable economic growth in recent years.

CULTURAL HERITAGE: KNOWLEDGE, MANAGEMENT, ENHANCEMENT

CLASS L-1
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Bosnia
France
Germany
Spain

What is the objective of the course? What is it?

The Course aims at providing a complete and solid basic training in the cultural heritage subjects; there are two curricula, respectively related to the historical-archaeological heritage and to the material and immaterial cultural heritage of the region, for their communication and glamorization in the field of cultural tourism.
The humanistic approach, providing students with the tools for the historical and anthropological understanding of assets and for their cultural and chronological positioning, is accompanied by a practical-operational approach, enabling them, through field activities, specific laboratories, and internships to acquire the most important methods for the recovery, conservation and restoration, as well as for the analysis and classification of the same assets, even by means of computer tools.
The course provides for some core teachings, functional to the specificity of each curriculum; based on his/her interests, each student may choose a specific educational path through an appropriate selection among the proposed options.
The wide range of class-specific (archaeological, historical-artistic, demo-ethnoanthropological, geographical and juridical-economic subjects) will enable students to a wide and articulated vision of material and immaterial cultural heritage and to increase the possibility to fit in a labor market requiring flexibility as well as a wide range of competences, and to continue their studies with 2nd cycle degrees.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The Cultural Heritage Graduate will learn to catalog archaeological artifacts and works of art of various kinds, books and documents.
He/she will acquire the basic skills for setting up exhibitions and for educational and cultural initiatives, in the fields of historical-artistic and archaeological, demo-ethno-anthropological and geographical disciplines.
He/she will be able to illustrate in a scientifically correct manner the historical, archaeological, historical-artistic, cultural and naturalistic particularities of a territory, or of a museum collection or a site; he/she will be able to prepare itineraries for cultural tourism, introducing visitors to the enjoyment of museum collections, works, sites and archaeological, historical-artistic, demo-ethno-anthropological or literary monuments.
As a guide, he/she will be able to lead guided tours of museum structures or urban routes.
He/she will be able to organize and arrange finds, models and specimens, such as fossils, tools, objects of various kinds, artistic artifacts inside display cases, for museum exhibitions and events; will be able to assist readers in using the catalogues, databases and indexes with which libraries are organized; will be able to assist with research and control the circulation of books and loans.
He will also be able to support, as a diagnostic expert, the professionals of the sectors indicated above in identifying aspects connected to the degradation of the Cultural Heritage.

What can you do with it?

The Cultural Heritage Graduate will be able to conduct archaeological excavations under the guidance of the director, classify archaeological and historical-artistic finds, prepare spaces and materials for exhibitions, laboratory activities and educational interventions aimed to knowledge and use of a territory, museum collection, site.
As a diagnostic expert, he/she will support the excavation director and/or the restorer in identifying and documenting the degradation of the Cultural Heritage.
He/she will acquire, according to his training path, knowledge and skills for the following activities (some defined by the DM 244 of 20.05.2019 MIBACT):

- Assistant Physical Anthropologist (physical anthropologist III level);
- Assistant Archaeologist (archaeologist III level);
- Assistant Demoethnoanthropologist (demoethnoanthropologist III level);
- Assistant Expert in Diagnostics and Science and Technology applied to Cultural Heritage (Expert III level);
- Mediator/Guide to Cultural Heritage;
- Museum and Library Technician.

The activities will be carried out at public bodies with technical offices (Superintendencies of Cultural Heritage, Museums, etc.), private museums and foundations operating in the cultural heritage sector, youth cooperatives for the management and enhancement of sites and collections.
The candidate will be able to work as a freelancer in the relevant branch of expertise, and as a mediator and/or guide, he/she will be able to work in travel agencies.

GLOBAL STUDIES, HISTORY, POLITICS, CULTURES

CLASS L-42 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Greece
Poland
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Global Studies, History, Politics, Cultures aims to provide students with skills that will enable them to acquire a critical understanding of the relationships between contemporary and past events and processes.
The interdisciplinary approach to historical processes, read from a cultural, socio-economic and anthropological point of view, the acquisition of the relevant study methodologies, their link with geographical and political subjects, allow the formation of a solid basic knowledge of global phenomena in a comparative perspective.

The degree course is organised in a single curriculum aimed at providing a solid education that includes first and foremost the knowledge of the most important institutional, economic, social, cultural and religious phenomena in a chronological span between ancient and contemporary times.
During the first and second years, students are provided with the basics of the main historical periods and with knowledge of the methods of the social sciences useful for historical investigation (geography, political philosophy, political economy, anthropology).
During the second and third years, the course enables students to acquire notions related to different areas of historical analysis and also offers them the possibility of constructing a course of study that responds to their particular inclinations.

What do you learn?

The three-year Bachelor's Degree in Global Studies: History, Politics, Cultures (class L-42 R History) provides students with the necessary tools for understanding and intervening in the global phenomena of the present time with a historical perspective.Thanks to a multidisciplinary approach, the course provides students with:

- A basic training aimed at: historical investigation and communication by learning the fundamental notions of epistemology and methodology of history and other social sciences;
- A basic training aimed at anthropological and geographical investigation;
- The ability to produce a spatio-temporal interpretation attentive to respond culturally to the questions posed by the global nature of the contemporary;
- A basic knowledge of cultural processes from a historical perspective;
- A basic education aimed at understanding political, social and economic phenomena and concepts on a national and global scale.

What can you do with it?

The Bachelor's Degree prepares for the professions of cultural workers and professional outlets:

- In organisations and bodies active at international level, especially in cultural, social, economic, political and development cooperation - in libraries and archives, with technical and support functions;
- In publishing, traditional and digital;
- In cultural institutions, in the promotion of exhibitions, expositions and events;
- In administrative bodies, with secretarial and general affairs coordination functions;
- In the "media world", with the function of consultant to support the development of programmes of a scientific nature (documentaries, historical programmes, dramas and thematic channels);
- In addition, since this is a three-year degree course, the training guarantees a broad prospect of continuation to obtain a Master's degree for the construction of more specific professional profiles in direct connection (without training debts) to the Master's Degrees in the history area, for those interested in teaching and research. to the Master's Degrees in the area of science for peace and development cooperation; to the Master's Degrees in the area of communication sciences and religious studies.

SOCIAL WORK

CLASS L-39 R
CAMPUS Agrigento, Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Norway
Spain

What is the objective of the course? What is it?

The aim of the course is to train the students to become Social Workers, an independent and recognized professional profile, after passing the State Examination for Social Workers in section B of the professional register of Social Workers.
The aim of the course is to train a professional service provider capable of critically, reflectively and independently analysing the dynamics and social processes that characterise the local area in which he/she works; of preparing appropriate interventions in relation to the social problems that he/she will periodically encounter; of carrying out his/her activity in the sphere of public and private Social Services; and of taking into account the operating methods of the organisational system in which he/she works.

What do you learn?

The specific training objectives for the professional profile of the Social Worker thus characterised are as follows: knowledge of sociological, psychological and legal disciplines and a secure mastery of the principles, methods and techniques pertinent to Social Work:

- Theoretical and practical skills useful for recognising, identifying and dealing with situations of social distress and marginality;
- Teamwork and networking skills;
- Skills and the ability to interact with people from different cultures in the perspective of intercultural and multi-ethnic social relations;
- Knowledge in conflict management and communication in the interaction between social actors;
- And basic skills for communication and information management, also using IT and digital tools and methods.

What can you do with it?

Once you have obtained your Bachelor's Degree, you can take part in public competitions to qualify for section B of the National Register of Social Workers.

Social workers and social assistants will be able to carry out professional activities in different areas, such as national and multinational private organisations; national, supranational and international administrations, bodies, public organisations; non-governmental organisations, the third sector and companies.
These activities will be carried out in different areas: assistance in social inclusion processes, preventive-promotional, organisational, educational-training and research.
For the above-mentioned purposes, the degree course curriculum provides a comprehensive range of both core- and related subjects by incorporating disciplines from the related scientific-disciplinary sectors and by furnishing a coherent and complete training programme offering training content appropriate to the objectives of the class.

ARCHAEOLOGY

CLASS LM-2 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Germany
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Greece
Norway
Poland
Swiss

What is the objective of the course? What is it?

The Master's Degree provides full advanced training in Archaeology, with respect, in particular, to classic archaeology, without excluding pre-classical and post-classical archaeology, applied methodologies and techniques.
The student will improve the historical and critical understanding of archaeological data (sites, monuments or artifacts), using different documents (literary, epigraphic, material or settlement culture). The methodological and applicative aspects are accessible through computer, technical and scientific knowledge (applied physics and chemistry for archaeology) and laboratories (excavations, landscape archaeology, analysis of artefacts).
Practical activities and internships/traineeships Agencies and Institutions active in the management and protection of Cultural Heritage will allow students to conduct independently field activities (archaeological excavation, surface research, analysis and valorization of artefacts), guided by a research manager and/or within Teams.
The student will personalize his/her educational path by choosing a historical-artistic approach, or one focused on material culture or settlements, or by privileging the fields of methodology and applied sciences.
Many credits are allocated to laboratory and/or field activities, and to the final exam.
Study opportunities and training experiences abroad are available through the Erasmus program and the Double Degree with the University of Göttingen.

What do you learn?

The graduate in Archaeology learns to manage, as responsible, an archaeological excavation sector and an emergency excavation site; he/she collaborates in the preparation of exhibitions and in conservation and enhancement activities in Museums, Archaeological Parks and other institutions responsible for the protection and enhancement of the archaeological heritage.
He/she will be able to classify and document archaeological finds, including those of an anthropological and paleo-anthropological nature.
He/she will learn to fill in US, USM, RA, UT sheets, to compose catalogues, scientific reports and museum itineraries.
He will be able to organize conferences and exhibitions, organize cultural initiatives and educational activities on archaeological sites and in Museums.

What can you do with it?

The graduate in Archaeology is:
- Responsible for archaeological excavation sector and emergency excavation site, also in relation to an anthropological and paleo-anthropological context;
- He/she collaborates with private companies for the drafting of archaeological risk maps, collaborates with the Superintendencies of Cultural Heritage for the monitoring of public works;
- He/she is responsible for the drafting of catalogues, scientific reports and museum itineraries, for the organization of conferences, exhibitions educational and cultural activities on archaeological sites and in museums;
- He/she is collaborator in the setting up of exhibitions, and in training, teaching and education activities of anthropological and paleo-anthropological interest.

He/she will acquire, according to his/her educational path, knowledge and skills for the following activities (defined by the Ministerial Decree 244 of 20.05.2019 MIBACT):
- Physical anthropologist (II level);
- Archaeologist (II level).

The activities will be carried out at Agencies and Institutions with technical offices (Superintendencies of Cultural Heritage, Museums, etc.), private museums and foundations operating in Archaeology and Cultural Heritage, youth cooperatives for archaeological and paleo-anthropological research.
He/she will be able to work as a freelance Archaeologist and/or Physical Anthropologist, and access to the third level of training (PhD and/or Specialization in Archaeology).

ARCHAEOLOGICAL AND ARTISTIC HERITAGE EDUCATION

CLASS LM-2 R/LM-89 R
CAMPUS Agrigento
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master's Degree Course "Archaeological and Artistic Heritage Education" is an interclass degree in Archaeology (LM-2 R) and Art History (LM-89 R). Course didactics will be carried out in the branch of Agrigento.
This Course is unique in the panorama of Italian universities, in that it aims to train archaeologists and art historians with a strong background in the disciplines relating to the two fields (LM-2 and LM-89), which are interwoven; more specifically, the Course will form educators to archaeological and artistic heritage with the capacity to know in depth, and interpret its contents.
This role, considered among the most important that archaeologists and art historians should play, today has increased its importance, in consideration of the opportunities offered by museums and places of culture, school education, long-life learning activities, and especially after the Faro Convention (Council of Europe Framework Convention on the Value of Cultural Heritage for Society 2005, approved by Italy in 2020) has brought about the fundamental value of cultural heritage, and the right for each individual to know and make use of cultural heritage.
In coherence with this, the organisation of this interclass Course (LM-2 and LM-89) relies on an integrated view of the two fields, whose requirements will be met fully during the training; the latter will be eclectic, various, complete, and suitable to the market needs.

What do you learn?

The Master's Degree Course aims to satisfy today's needs for figures which are experienced in education to cultural heritage.
This goes beyond the traditional notions of preservation, management and enhancement of cultural heritage.The disciplines proposed cover subjects pertaining to ancient history and archaeology, art history and museology, history of architecture, restoration and chemical disciplines for diagnostic and restoration, modern history and archivistic, economy and legislation.
By this way the requirements of the two disciplinary fields, LM-2 R and LM-89 R, are fully met, and, above all, a robust training, which is eclectic and various, is offered, so as to broaden the spectrum of job opportunities after the degree.
There are disciplines of sectors characterising the Course, and other disciplines belonging to related sectors; laboratory teaching will be provided for these disciplines.
Besides, there is 1 language laboratory, 1 IT laboratory; both are peculiarly related to the aims of this Course.
There is 1 traineeship of 8 ECTS, aiming to give a practical and professionalising character to training.
Teaching includes 15 ECTS in English, and 6 ECTS in French, to allow students to reach a broader public and audience to which they will be able to transfer the knowledge and skills acquired.
There are also integrative and transversal training activities, in particular seminars on subjects of education to heritage and pedagogy of cultural heritage delivered by specialists.

What can you do with it?

According to the current Italian regulation, the Master's Degree Course LM-2 R or LM-89 R allows graduate students to be included in professional registers for archaeologists or art historians of second level, after the fulfillment of some requirements, that is professional experience, and the relative tasks and activities.
The main job outlet related to this qualification (archaeologist, or art historian) is the activity of museum educator.
Graduate students can apply for positions of freelancers, businessmen, partners in business, employees, employees in public competitions; in particular (but not exclusively) they can work as museum educators, educators specialised for working in public and private places of culture.
Potential workplaces are: Superintendencies, museums, archaeological parks, public and private institutions, cooperative societies, service companies, consulting companies, other enterprises, etc.
Further job opportunities related to this degree are given by teaching of artistic disciplines, and liberal arts in high schools.
However, degree students must satisfy the requirements of Italian regulations about hiring teachers.
Master's Degree Course LM-2 R or LM-89 R gives the opportunity for degree students to apply for a third level of studies; they can apply for attending the so-called Schools of Specialisation in Cultural Heritage, or for Doctoral Courses, in Italy or abroad.

ART HISTORY

CLASS LM-89
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Spain

What is the objective of the course? What is it?

This Master Degree Course in Art History is designed to provide graduates with advanced training in the field of art history disciplines with high-level competence in the various figurative art fields from late antiquity to the contemporary age in a geographical area extending from the Mediterranean to Northern Europe. In addition to specialised teaching covering all Western tradition historical phases and languages, the course offers a wide range of iconographical, theoretical and methodological disciplines. Particular attention is paid to the use of new media applied to personal research, publishing and heritage cataloguing, as well, of course, as the bibliographical tools, primary and secondary sources that enable aspiring scholars to provide adequate historical and cultural contextualisation of the artefacts.

What do you learn?

Master Degree graduates in Art History can carry out consultancy work for individuals, organisations and institutions (not only for strictly cultural purposes) in relation to their own training and in the fields covered by their studies. They can, therefore, act, in public or private contexts, as reference points for cultural policies and in the enhancement of their fields of study. During the course of studies they acquire the following professional skills:

- Expertise in the main art-history fields for the appropriate placing of works of art in space and time;
- Evaluation and contextualisation of artistic phenomena;
- Appropriate planning skills in the museum education field;
- The ability to plan and manage internal and external (cultural and informative) communication in museums and cultural institutions focusing on cultural heritage.

What can you do with it?

The course provides its graduates with the appropriate cultural tools to start professional careers in the fields of cultural mediation (dissemination, tourism, teaching), museum studies and curatorship, cultural management, the antiques market and as forensic experts, journalistic criticism and curatorial studies, editorial consultancy and digital cultural heritage communication.

CLASSICAL STUDIES

CLASS LM-15
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
Germany
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Austria
France
Germany
Greece
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree in Classic Studies offers a solid competence in the translation of texts from Greek and Latin; allows the acquisition of methodologies for the critical and autonomous analysis of historical-archaeological sources and of tools for the interpretation of reception of the ancient world.
It also enables the acquisition of proficiency in computer tools specific to the study of antiquity and an advanced knowledge of at least one European Union language in addition to Italian.

What do you learn?

The Master's Degree in Classic Studies offers an advanced and specialised training that enables students to deepen their knowledge in the study of ancient languages and literature (Greek and Latin); ancient history and archaeology, allowing them to apply, with awareness, the methodologies of literary analysis, linguistic-philological and historical-archaeological sciences.
As a partner of the European Master's in Classical Cultures (EMCC), a network of 14 universities from 10 European countries, the degree gives interested students the opportunity to access an international double degree course, thus dealing with a European context of studies on the ancient world.

What can you do with it?

Graduates in Classics Master's Degree can find employment in public and private institutions; institutions for the conservation and publication of manuscripts of classical texts; research institutes and organisations; local authorities (municipalities, provinces, regions); cultural promotion sectors; publishing houses; literary parks; public and private libraries; archives; foundations; museums; educational institutions; historical archives; private companies; foundations; cultural associations.

COMMUNICATION OF CULTURAL HERITAGE

CLASS LM-92 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Tunisia
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Greece
Lithuania
Poland
Portugal
Spain
Tunisia

What is the objective of the course? What is it?

The Master's Degree in Communication of Cultural Heritage aims to train experts with a solid scientific basis in the tangible and intangible heritage of culture and territories.

Students will acquire specialised communication skills: in order to conceive and coordinate important projects in the field of cultural heritage, critical edition of texts and contemporary visual communiation products.

What do you learn?

Subjects of the course are divided into interdisciplinary training activities regarding: visual culture, semiotics of cultural heritage, philosophy of experience, anthropology, food and wine and cultural heritage management.
In addition to these subjects, which provide the theoretical foundations of the degree course, there are optional subjects that enable students to personalise their course of study, but also to specialize their skills in a specific field of communication: for example, they can study Mediterranean or Arab-Islamic cultures, heritage legislation, economy of industrial culture, art criticism, curatorial practices and exhibitions, linguistic translation, intercultural theory and techniques of seriality.

In order to make the formative pathway coherent with the needs expressed by the job market, laboratory-type teachings (such as exhibit design, advertising planning, service design, virtual archaeology) offer students the opportunity to create a real communication product.

What can you do with it?

The cultural heritage communication expert is able to: analyse, design and realise initiatives aimed at communicating cultural heritage, including artistic and monumental heritage as well as material and non-material elements typical of cultures (popular traditions, events, festivals, etc.); consult on the design and implementation of spaces aimed at the effective enjoyment of artefacts and events (museums, exhibition spaces, routes through the territory, etc.); collaborate in the design of verbal and visual communication plans, in particular within cultural institutions, public and private foundations, libraries, archives.

COOPERATION, DEVELOPMENT, MIGRATIONS

CLASS LM-81 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Germany
Tunisia
SEAT OF INTERNATIONAL AGREEMENTS
Iraq
Lebanon
New Zeland
Palestine
Tanzania
Tunisia

What is the objective of the course? What is it?

The International Master's Degree in "Cooperation, Development and Migration" taught in English language (COSVIM LM 81) aims to train experts specialized in international and local cooperation and governance of migration fluxes.
It provides a broad range of employment opportunities in areas that currently lack adequately skilled professionals.
From an educational point of view, the degree course is characterized by a strong multidisciplinary approach based on fully understanding the realities of the so-called global south and problems related to vulnerability, poverty, economic growth and sustainable development in the globalized world.

What do you learn?

The Master's Degree in Cooperation, Development and Migrations was established with the aim of giving students the necessary knowledge and skills to understand problems related to issues of development across the world and to find fair and sustainable solutions.
This idea is based on a concept of human development that focuses on improving people's living conditions, on the assumption that economic growth does not, alone, produce well-being for all, and that it is necessary to remove the causes of inequality, discrimination, violence and poverty in order to guarantee people a life worth living.
The degree course educates students to develop interventions related to areas regarding education, health, work, access to resources, freedom and political participation and human rights.

What can you do with it?

- Managerial positions in international agency and organizations;
- Managers in the public and private sector for social policy, local development, migrations and international cooperation;
- Managers in diplomatic careers and international relations;
- Experts and consultants for companies and global markets;
- Experts for context analysis, policy planning and coordination of development programmes, humanitarian intervention, governance of migrations phenomena, social development, vulnerability and poverty reduction actions.

The Master's Degree gives access to a wide range of PhD Courses.

FOOD AND WINE COMMUNICATION

CLASS LM-92 R & LM/GASTR R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Greece
Lithuania
Poland
Portugal
Spain
Tunisia

What is the objective of the course? What is it?

The Master's Degree Course in Food and Wine Communication aims at training communication experts who have specific competences in the world of food and wine. Food and Wine Communication is a dual-class degree, since it allows the final degree to be awarded either in the LM-92 R class (Theories of Communication) or in the LM-GASTR R class (Economic and Social Sciences of Food and Wine).

In this course students will learn to understand problems and opportunities of one of the most developed market of the world, acquiring competences about different food cultures and being able to face the challenges that this world poses both at the level of the market and of culture in general.
Students will develop skills related to the world of food and cooking, taste and the table, food and wine tourism, events and fairs (advertisers, journalists, bloggers, influencers, etc.).
But the scope of the degree course is actually much broader, since food and wine communication is not only corporate promotion but also taste education, attention to food and everything connected to it, in the ethical, political, aesthetic, social, anthropological, linguistic and semiotic fields.

What do you learn?

The course includes subjects that prepare to understand the complexity of the languages of food and wine, their historical and anthropological dimensions, as well as to question the notion of taste and to analyse consumption styles and habits.

Another group of subjects regard the communicative aspects of food and wine, such as marketing and tourism or the media representation of food.
The optional subjects, which are focused on nutrition and health, branding processes, heritage management, literature and food, design and packaging, spaces of consumption, allow students to specialize their academic path preparing them for specific aspects of the complex field of food and wine.
One laboratory-type teaching allows students to develop professional skills in specific areas: the design of communication campaigns for food and wine products, the conception of visual identity projects for brands and companies in the sector, the production of editorial texts for food and wine.

What can you do with it?

The Food and Wine Communication expert can work in private companies and public offices, performing the following functions:

- Planning communication strategies for effective positioning of products and services;
- Offering strategic consultancy for food companies, restaurants, wine shops, supermarkets, tourist agencies;
- Analysing and designing packaging and other communication devices;
- Handling relations with the media, drafting press releases and official speeches;
- Working with associations and institutions that promote activities in the field of biodiversity and the promotion of gastronomic culture;
- Writing about food and wine in both traditional media (newspapers, magazines, books) and digital media (blogs, social media, video-sharing platforms);
- Create editorial content for magazines, food and wine guides, recipe books and specialized publishing houses;
- Promoting food education;
- Offering communication consultancy in the dietetic-nutritional field.

HISTORY, ANTHROPOLOGY AND GEOGRAPHY

CLASS LM-84 R
CAMPUS Palermo
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The course originates from a project hinged in the context of the human sciences, focusing on the study of space, history, people, traditions and social and cultural relations over time, and the relationship between the environment and historical events.
The knowledge and competences at the intersection of historical, anthropological and human geography studies are articulated in a specialised training project aimed at providing professional and methodological tools in the service sectors and cultural initiatives, as well as in specific institutions.
The course provides specialised knowledge of historical issues relating to human civilisations on a broad scale, starting with the Middle Ages, and of issues relating to the relationship between cultures, societies, economies and environments.
The specific objectives of each course as well as the syllabus of each individual course can be consulted in the educational offer (manifesto degli studi) for each academic year.

What do you learn?

The course is divided into two curricula: 'historical' and 'anthropological and geographical'.
Common to both curricula, in addition to some characterising teachings in the fields of history, anthropology and geography – are also the formative internship (6 CFU), laboratories (6 CFU), English level B2 (6 CFU), and 12 cfu of the student's choice. On the one hand, the course aims to introduce students to the methodologies of research and production of historical knowledge aware of the acquisitions and revisions of the historiographical tradition, on the other hand, to the critical treatment of sources of different nature, in the light of the current use of information technologies, geographical information systems.
Focus areas of historical problems concern political and institutional, social and economic, cultural and religious processes and their mutual influences in the long term.
Furthermore, the course provides methodological and technical competences in the field of anthropological and geographical studies, in particular with regard to study and research approaches to the relationships between cultural dimensions, social processes, forms of religiosity and living environments; the analysis of cultural complexity in contemporary societies; the relationships between language, communication, culture and power; perceptions and representations of territory and space; the activities of documentation, protection and valorisation of demo-ethno-anthropological cultural heritage.

What can you do with it?

Graduates of the Course will acquire professional skills in the field of historiographic, anthropological and geographical research, and in the management, organisation, promotion of cultural heritage (historical-documentary and/or archival, demo-ethno-anthropological and geographical) and of the tourism sector to be exercised in public bodies (libraries archives, museums, cultural heritages), non-profit organisations (associations, foundations, NGOs, third sector in general), service sector companies specialised in the tourism sector, companies for editorial production and website management and updating, public administrations (State, regions and local authorities).
They also obtain the training and basic requirements for access, after obtaining the relevant qualifications, to the teaching of humanities disciplines in first and second grade secondary schools, subject to any additions required by law.

PUBLIC, CORPORATE AND ADVERTISING COMMUNICATION

CLASS LM-59 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Tunisia
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
France
Germany
Greece
Lithuania
Poland
Portugal
Spain
Tunisia

What is the objective of the course? What is it?

The Course aims to train communication experts able to analyzing communication products and planning strategic and effective communication strategies, designing the artifacts necessary to carry them out, monitoring their material execution, and measuring their effects on audiences and markets.
The subjects of the Course are aimed at acquiring in-depth knowledge regarding the management of communication of corporates, political institutions, local and national government, public agencies and nonprofit organizations.
Emphasis is placed on advertising and digital communication, offering the tools to realize advertising campaigns, events, press services and public relations, through the use of multiple languages and technological solutions.

What do you learn?

The course offers knowledge related to the analysis and management of communication in public, private and no-profit organisations with particular reference to advertising, digital and audiovisual communication.
Students will acquire interdisciplinary skills relating to digital marketing and brand semiotics, the organisation of human resources and the sociology of consumption and lifestyles, the economics of innovation and the sociology of political and deviant phenomena, product design and packaging, literary communication, etc.
Alongside these theoretical lessons that provide the scientific basis for the study of communication, there are highly professional laboratories-type teachings where students can acquire specific skills that are immediately spendable in the world of work.
At the end of the laboratories, students will develop a communication product.
Some of the laboratories of the course: creation of a communication campaign, service design, exhibit design, theories and techniques of polling, big data.

What can you do with it?

Job opportunities in the public and private sector, no-profit organisations as well as political and administrative institutions are linked to the direction and management of the entire communication process in its various aspects: graduates in Public Corporate and Advertising Communication will be able to analyse, plan, implement and monitor any type of communication strategy.
They can work in different areas of communication: from public relations to journalistic information in press offices, from social media management to institutional communication, from the drafting of texts to the production of visual communication, from the design of advertising campaigns to the coordination of multiple communication actions on various media.

RELIGIONS AND CULTURES

(INTER-UNIVERSITY DEGREE)

CLASS LM-64
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Vatican City
SEAT OF INTERNATIONAL AGREEMENTS
Norway
Spain

What is the objective of the course? What is it?

This Master's Degree in Religions and Cultures is an international and inter-university joint master's degree between the University of Palermo and the Pontifical Theological Faculty of Sicily (FATESI), with teaching contributions from the Foundation for Religious Sciences (FSCIRE, Bologna-Palermo).
The course offers keys to the interpretation of current religious phenomena by analysing the world religion history, hermeneutics and cultural representations, with specific reference to the Mediterranean and the Near-East.
Often referred to as the "capital of the Mediterranean", Palermo is a cultural and religious crossroads whose history has alternated between conflict and peaceful cohabitation: it is an ideal location for the course, where theological and cultural contents on peace can be explored to form a peace mindset.

What do you learn?

The educational programme of the Master's Degree involves the following areas:

- Sources and methods in the history of religions and world religions;
- Hermeneutics of Christian, Jewish, Islamic and Hindu religious texts;
- The geopolitics, anthropology, and sociology of religious phenomena;
- Inter-religious dialogue and conflict;
- Epistemological-doctrinal elaboration in philosophical and theological contexts;
- Literary and artistic representations of religious beliefs;
- Ethical-juridical religious system codifications.
- Internships at institutions and/or organisations active in inter-religious contexts or in the conservation/communication of the religious heritage (archives, libraries, museums, radio or television stations) aim to refine students' professional skills.

What can you do with it?

Career opportunities include:

- Study and research on religious phenomena at public and private research centres and religious science institutes;
- Religious or religion-related publishing;
- Activities requiring expertise in inter-religious communication and relations and specific problems in multi-denominational social contexts, such as those related to cultural mediation;
- University teaching and research;
- Access to the following competition classes for school teaching, subject to possession of the specific ECTS:
  - A-11;
  - A-12;
  - A-13;
  - A-18;
  - A-19;
  - A-21;
  - A-23;
  - A-54.

SOCIAL WORK, INEQUALITIES AND SOCIAL VULNERABILITY

CLASS LM-87 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Spain
Slovenia
Norway

What is the objective of the course? What is it?

The Master's Degree in Social Work, Inequalities and Social Vulnerability aims to train professionals capable of carrying out social analyses of the local area, identifying its problems and resources, and of exercising managerial roles within the public administrations or private social organisations concerned in order to deal with the various social situations that arise, proposing appropriate solutions to complex social issues.

What do you learn?

The fundamental mainstay of this course is its interdisciplinary approach, based on a close connection between the professional disciplines related to social services and those of the sociological, legal, political-economic, psychological and philosophical-political spheres.
Within this framework, in addition to the foundational sociological disciplines, particular attention is paid to a number of disciplinary areas due to their importance for the understanding of social processes and the appropriate construction of targeted social policies.
In addition to an internship, students will be required to prepare a thesis as preparation for the final exam.
Preparing a thesis will help the students develop an interdisciplinary approach and integrating previously completed courses with core- and related subjects.

What can you do with it?

Once you have obtained your Master's Degree, you can take part in public competitions to qualify for section A of the National Register - Specialist Social Worker.

- Among the main functions of the specialist social assistant involved in public, private and social institutions, services and organisations are the preparation and management of programmes in the field of social policies and services;
- The organisation of managerial systems in the field of cooperation and non-profit organizations;
- Planning, organisation and managerial tasks in the field of social policies and services and the organisation of managerial systems in the field of cooperation and non-profit organizations;
- Management of services that organize complex interventions in the field of social service policies and services and organisation of managerial systems in the field of cooperation and non-profit organizations;
- Analysis and evaluation of the quality of social service interventions and policies and in cooperation and non-profit organizations;
- Social and social service research;
- Teaching and training related to the planning and management of social service policies.

PSYCHOLOGICAL, PEDAGOGICAL, EXERCISE AND TRAINING SCIENCES

www.unipa.it/dipartimenti/sc.psicol.pedag.edellaformazione

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-19 R	Educational Science	PA, AG
L-22 R	Physical Education and Sport Sciences	PA, AG, TP
LM-85bis	Primary Education	PA, AG, TP
L-24 R	Psychological Sciences and Techniques	PA, TP

MASTER DEGREE

LM-51 R	Clinical Psychology	PA
LM-51 R	Life span Psychology	PA
LM-85 R	Pedagogical Science	PA
LM-85 R	Pedagogical Sciences for inclusive communication mediated by LIS	PA, ONLINE
LM-67 R & LM- 68 R	Science of Preventive and Adapted Physical Activity and Sport Performance	PA, TP
LM-57 R	Sciences of Adult Education and Lifelong Learning	PA, ONLINE
LM-51 R	Social, Work, and Organizational Psychology	PA

EDUCATIONAL SCIENCE

CLASS L-19 R
CAMPUS Agrigento, Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Greece
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Bachelor's Degree trains students to cope with and manage significant issues related to the training process within institutions and vocational training, companies and public authority facilities. It consists of 3 areas: Socio-pedagogical education (aimed at health promotion, family education, prisoner educational services and services for people with disabilities); Early childhood education (educational services for nurseries, families with children, play areas, free time, homecare); Community education (aimed at preventing social distress, family support, the well-being of minorities and underprivileged people, drug addiction support services, support services for the care of the elderly, abused children and prisoners).

What do you learn?

The educational path aims to develop the student's familiarity with the educational network, building training materials and models, and integrating processes with new technologies. Through techniques and operational skills related to public and private training contexts and enhancing a professional approach, the course trains students to become professionals and trainers.

What can you do with it?

Pedagogical Science Degree, with two curricula: Pedagogical and Training and Planning (Degree L85). Three possible job profiles: socio-pedagogical educator; early childhood educator; community educator.

GENERAL INDEX
DEPARTMENT INDEX

PHYSICAL EDUCATION AND SPORT SCIENCES

CLASS L-22 R
CAMPUS Agrigento, Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Croatia
Germany
Lithuania
Luxembourg
Norway
Poland
Portugal
Romania
Spain
Turkey
USA

What is the objective of the course? What is it?

The three-year course in Physical Education and Sport Sciences (L-22 R) provides students with a solid preparation in the field of motor activities, sports and, in particular, the study of the theoretical, technical and methodological aspects necessary to understand the basics of the functioning of the human body in movement as well as the psycho-pedagogical, juridical-economic and didactic aspects relating to physical exercise. Students acquire basic skills in four areas: technical-sports, prevention and adapted physical education, managerial and educational-didactic. Moreover thanks to agreements with some Sports Federations and with the Regional Sport School of Coni, they can acquire top-level Federal Instructor patents.

What do you learn?

In the technical-sports area, the Study Program provides expertise on both the theory and methodology of training and on motor and attitudinal assessment methods in sport. The fundamental knowledge acquired in the field of prevention and adapted motor education provide skills both on the theory and methodology of human movement and on the theory, technique and didactics of motor activities addressed to people of all ages and on preventive and compensatory motor activities. The legal and economic disciplines provide the basic skills for the organization and management of the structures in which physical, sports, recreational and tourist activities are carried out, as well as for the organization of sporting events. In addition to psychological and pedagogical disciplines, the knowledge acquired in the educational-didactic area concerns motor learning and the improvement of motor skills in the developmental age.

What can you do with it?

The natural hereinafter of the Course of Motor and Sports Activities is the enrollment in first level Master o Master's Degrees in Sciences and Techniques of Sports Activities, Sciences and Techniques of Preventive and Adapted Motory Activities or Sport Management.

PRIMARY EDUCATION

(QUALIFYING FOR THE PROFESSION OF TEACHING IN NURSERY AND PRIMARY SCHOOLS)

CLASS LM-85bis
CAMPUS Agrigento, Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Bulgaria
Czech Republic
Germany
Spain

What is the objective of the course? What is it?

Primary Education Sciences is a Master's Degree Single Cycle Course that aims to provide cultural and professional training for pre-primary and primary school teachers. The course enables teacher candidates to develop knowledge, skills and competences required for their future profession in compliance with the Ministerial Decree (n. 249) of 10 September 2010.

What do you learn?

Graduates are expected to unpick many of the controversies related to curriculum, inclusion, creativity, and the nature of teaching. They explore in detail how children learn and develop, how they acquire language, become competent learners, learn to socialize, as well as how they participate and behave within school contexts. The course provides advanced theoretical and practical training in the subjects – psycho-pedagogy, teaching methodology, technology and research – that concern the professional profile of a pre-school and primary school teacher. The curriculum contains prescribed course units covering theory and teacher training for the levels of schooling mentioned. It also provides specific training in handling and integrating cases of special needs pupils. The study plan consists of:

- Thirty exams that focus on the contents of the national guidelines for the pre-primary school curriculum and the first cycle of education (limited to primary school) and on the professionalizing disciplines for teaching;
- Twenty-four workshop classes (with compulsory attendance);
- Six hundred hours of internship (with compulsory attendance);
- From the final graduation exam, which consists of the discussion of a thesis and a written report on internship experiences and workshop activities.

What can you do with it?

At the end of the five-year Master's Degree Single Cycle , the final exam is equivalent to a state exam which enables the teaching of all pre-primary and primary school subjects. After obtaining the qualifying Degree, graduates can: apply for a fixed-term position in a pre-primary or primary school; participate in the admission tests to one-year specialization course (60 credits) to becoming a Special Education Teacher (either for pre-primary or primary school); enrol in the "Early Childhood Education and Care" program (60 credits) program to work with children aged 0 to 3 years.

PSYCHOLOGICAL SCIENCES AND TECHNIQUES

CLASS L-24 R
CAMPUS Palermo, Trapani
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Spain

What is the objective of the course? What is it?

The course aims to train professionals in psychological sciences capable of performing technical and operational activities in psychological fields involving individuals, groups, social organizations, and communities. The objective of the program is to provide foundational preparation to act professionally in technical-operational roles within coordinated activities under the supervision of a Master's-level psychologist. Graduates will perform functions related to prevention, assistance, support, promotion, assessment, and development across various areas, such as health, couple and family services, human resource management and development, work in institutions, and social and community contexts. The theoretical and methodological training is always complemented by experiential and laboratory activities. These include practical, supervised tasks that involve direct observation and execution of activities designed to foster situated learning and the development of essential procedural and relational skills for professional practice.

What do you learn?

During the three-year program, students acquire theoretical foundations and operational elements in areas such as general psychology, social and occupational psychology, developmental and educational psychology, the psychophysiological mechanisms underlying behavior, and the understanding of human relationship dynamics in individual, family, group, and institutional contexts. Students also learn about deviant and/or pathological behaviors, methods of scientific inquiry in psychology, clinical perspectives, research methodologies, statistical analysis, and the use of computer tools for data processing. The program also includes interdisciplinary training, which is essential for understanding psychology, in fields such as anthropology, philosophy, and sociology. Additionally, activities are offered to provide basic English language skills. Knowledge and skills are also developed through practical activities and laboratory work, integrated into individual courses and through evaluative internships.

What can you do with it?

After completing the three-year program, graduates with a Bachelor's degree in Psychological Sciences and Techniques can enroll in a Master's program in Psychology (LM-51 R) to become licensed psychologists and/or enter the job market as Social Services Technicians.

In a professional context, their functions may include:

- Participating in the planning and evaluation of psychological and psychosocial interventions;
- Implementing psycho-educational interventions;
- Conducting interviews, observations, psychological testing, and other analytical tools solely for evaluating behavior, personality, cognitive processes, and attitudes;
- Collecting and statistically analyzing psychological data for research purposes;
- Engaging in activities oriented toward the diagnosis, understanding, and support of individuals, families, and groups to promote development and well-being and mitigate distress;
- Performing analyses and development of communication processes;
- Promoting programs and interventions to empower individuals and local communities;
- Designing interventions to promote well-being, organizational development, and human and professional resource development.

CLINICAL PSYCHOLOGY

(QUALIFYING FOR THE PROFESSION OF PSYCHOLOGIST)

CLASS LM-51 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Spain

What is the objective of the course? What is it?

The main objective of this Master's Degree is to provide students with specific competencies in clinical psychology and neuropsychological practice directed towards individuals, families, groups and communities suffering from distress or unhealthy conditions. This Master's degree is organised into two distinct curricula: "Care and Relationship" and "Neuropsychology". Both share a strong theoretical background which is common to the activities of the first year. In the second year, activities focus on the acquisition of professional competences related to the two specific areas of expertise. This Master's programme aims to work on the effective development of the professional role of the clinical psychologist.

What do you learn?

Through theoretical activities designed to integrate frontal lectures and interactive methods, this course aims to provide students with professional skills:

- Develop a diagnostic assessment with individuals, using specific tools to measure mental functioning;
- Implement interventions aimed at promoting healthy well-being, risk prevention, stress management mechanisms, close relationship management and neuropsychological rehabilitation;
- Monitor the effectiveness of psychological interventions using an empirical methodology to link clinical and research activities;
- Tailor first-line interventions based on the individual characteristics of the patient and the context of care.

What can you do with it?

The Master's Degree includes the qualification for the profession of psychologist. Graduates will be able to work in all areas of mental health regulated by the Italian government. This includes the promotion of prevention and/or wellness interventions, focusing on providing psychological support to individuals, groups and communities in both public and private contexts. They will also be able to provide diagnostic assessment, rehabilitative interventions and first-line interventions in accordance with the professional skills required of the primary care psychologist. Graduates will be able to participate in research activities and develop evidence-based professional practice. Finally, they can qualify as a psychotherapist or neuropsychologist after a further four-year post-laureate training programme.

LIFE SPAN PSYCHOLOGY

(QUALIFYING FOR THE PROFESSION OF PSYCHOLOGIST)

CLASS LM-51 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree program is designed for students interested in expanding their knowledge of the psychological processes underlying typical and atypical development through the lifespan. The course is also aimed at preparing students to plan and carry out research and intervention programs in order to foster psychological well-being and social inclusion, as well as to prevent the onset of behavioral problems and psychological disorders in different contexts (e.g. , school, family, neighbourhood). Moreover, the course is focused not only on the assessment and treatment of individual and relational difficulties, but also on training programs for educators, caregivers, teachers, and social workers.

What do you learn?

The Master's Degree program provides students with knowledge, skills and attitudes that will enable them to stimulate positive development through the lifespan. In this framework, the program is focused on subjects like typical and atypical psychological functioning of individuals and families, psychopathology, assessment, data analysis methods. The program is also dedicated to designing research and intervention programs, using assessment tests, performing clinical interviews, preventing and treating behavioural problems and learning disabilities. Finally, the program allows students to develop the specific professional skills needed to act autonomously and responsibly in working environments.

What can you do with it?

Master's Degree graduates can be employed in all the areas of professional psychology, such as:

- Public and private organizations providing psychological and educational services to individuals, groups and communities;
- Schools (i.E., Training of teachers, promotion of students' competences);
- Public and private research institutions (performing empirical surveys);
- Socio-educational, therapeutic, reception, recovery and rehabilitation communities;
- Healthcare institutions; training institutions;
- Freelance professionals (i.E., Psychotherapy after psychotherapy training).

PEDAGOGICAL SCIENCE

CLASS LM-85 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Germany
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree program aims to provide advanced knowledge and operational skills designed to train professionals specialized in pedagogical and educational sciences, both in the education and global care of the person throughout the entire life cycle. The Master Degree Course allows, on the one hand, students to qualify for the professional role of Educationist, now necessary in the socio-health training contexts and also in the so-called "0-6 system"; on the other hand, it provides all the disciplinary requirements for teaching in the A18 class. The Master Degree Course aims to develop highly specialized study and research skills, design skills, and specific management and communication skills.

What do you learn?

The Master's Degree aims to train professionals with high organizational and managerial skills in the training process and design, coordinate, and evaluate highly specialized training courses in different contexts, tailored to the person's entire life cycle. The objectives concern the acquisition of advanced theoretical and operational knowledge in educational and training research with a particular focus on qualitative and relational approaches and methodologies. Specifically, through teaching courses, seminars, and practical exercises, the system pursues qualifying training objectives.

What can you do with it?

- Social-educational and social-assistance services and facilities;
- Third sector associations;
- Educational services aimed at promoting well-being and health, educational care of the person, groups, the elderly, and the community and benefits of juvenile justice, re-education aimed at the recovery and reintegration of offenders in social life;
- Coordinator of territorial educational services.
- Manager of educational and training organizations.
- Expert in the design and conducting of scientific research in the educational field.
- Pedagogical consultant.
- Specialist in the processes of skill recognition, assessment and certification.
- Pedagogical Coordinator of nursery schools.

PEDAGOGICAL SCIENCES FOR INCLUSIVE COMMUNICATION MEDIATED BY LIS

(INTER-UNIVERSITY DEGREE)

CLASS LM-85 R
CAMPUS Palermo/Online
TYPE OF ACCESS Planned

What is the objective of the course? What is it?

Following the recognition of the Italian Sign Language (LIS) by the Italian Government (L. 69, 21/05/2021), the Master's Degree Course in Pedagogical Sciences for inclusive communication mediated by LIS was created with the aim of training a qualified professional figure to work in all level schools and in universities, together with the LIS interpreter, as well as in educational and training services aimed at deaf children and adolescents and hearing children and adolescents with comorbidity and/or multiple disabilities, who use LIS to communicate.

Since it is a question of training a "system" professional figure in educational and in learning field , this Course is configured as a LM 85 (Pedagogical Sciences) with a specific address in knowledge of deafness, Italian sign language and linguistic mediation.
In Italy, it is the first university master's course for Pedagogists expert in inclusive communication processes and in LIS.
It involves three different universities that have long been dealing, in various ways, with issues related to deafness and Italian sign language.
Each locations takes charge of the disciplinary areas in which it has greater expertise, thus giving rise to a rich and high-quality training path, thanks to the integration of the different skills; they are:

- University of Palermo (administrative headquarters);
- University of Rome 3;
- Ca' Foscari University, Venice.

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What do you learn?

The three Universities involved in the training offer are located in the South, Center and North of Italy, and divide their specific skills into the following areas:

- University of Palermo - Area of general pedagogy, embodied pedagogy and educational relationship together with special teaching and pedagogy, philosophy of language and the medical field;
- University of Rome 3 - Area of special pedagogy and psychology of the development of communication and language;
- Ca' Foscari University of Venice - Area of LIS linguistics, deaf culture and teaching methodologies for deafness in addition to general and social pedagogy.

In each University, LIS will be taught annually and linguistic exercises will be held in presence by expert native-speaking CEL The activation of mandatory internships at schools, institutions or educational and social centers is planned to allow the knowledge acquired to be put into practice.
It is also hypothesized to establish third level internships-apprenticeships with training institutions and/or cooperatives and associations in which to deepen one's skills through experience in specific fields and also enrich the opportunities for job placement.
The training offer of the CdS could be integrated with flexible programming and teaching based on student assessments and periodic consultations with stakeholders.

What can you do with it?

In accordance with current legislation, graduates in the LM 85 Class Courses will be qualified to practice the profession of Pedagogist.
In particular, the Master's Degree Course in Pedagogical Sciences for inclusive communication mediated by LIS trains a professional figure who has a plurality of skills; in fact, it provides adequate theoretical and operational knowledge to carry out the activity of pedagogist, with functions of: planning, pedagogical coordination, training of educators and promoter of change and development within different educational and social contexts.
In a community and network perspective, it also provides knowledge to work professionally alongside curricular and specialized teachers and other professional figures for inclusion (such as the Assistant for autonomy and communication), as well as to collaborate in the drafting of the Dynamic-Functional Profile (PDF) and the Individualized Educational Plan (PEI).
Therefore, he finds a job opportunity in schools of all levels, in educational and professional training centers, within universities as learning support, in network projects with families in territorial coordination centers.
As a freelancer, he can offer his specific skills in the field of communication and LIS to third sector organizations or private individuals for single services or to facilitate social inclusion paths.

SCIENCE OF PREVENTIVE AND ADAPTED PHYSICAL ACTIVITY AND SPORT PERFORMANCE

CLASS LM-67 R/LM-68 R
CAMPUS Palermo, Trapani
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Croatia
Germany
Lithuania
Luxembourg
Norway
Poland
Portugal
Romania
Spain
Turkey
USA

What is the objective of the course? What is it?

The Science of Preventive and Adapted Physical Activity and Sport Performance course was established to meet the needs of high professionalization both in the field of preventive and adapted motor activities and in sports qualification. The Interclass Master's Degree is based on the fusion of the educational objectives already provided for in Degree Classes LM-67 R (Science of Preventive and Adapted Physical Activity) and LM-68 R (Sport Science) and responds to the need to create a training course which results in common basic scientific-cultural activities included in the following scientific areas: physical education and sport sciences, posturology, adapted physical activity, biology of physical exercise, psychology of exercise and sport, sports medicine.

What do you learn?

The Master's Degree lasts two years with a first common preparatory year and a second year differentiated into specific training courses. In particular, during the second year of the LM68 course, fundamental knowledge and skills are acquired to teach physical education improve athletes' sports performance through advanced training techniques and specific training schedules for sports, gender and age groups. Instead, during the second year of the LM-67 R course, students deepen the theoretical and applicative knowledge for the maintenance of the best physical efficiency, throughout the whole life, both in people with and without disability e/o neurodiversity.

What can you do with it?

The Interclass Master's Degree was established to respond to the modern needs of high professionalization in the sports sector of high level and motor activities for students and people with and without disability along their life cycle. The course, therefore, prefigures the inclusion of recent graduates in various sectors: public institutions (school, CONI, CIP ...), public and private structures, wellness centers and SPA, gyms, and sports clubs. They will also be able to access further education courses for teaching physical education in secondary school (A-048 ad A-049) and Ph.D.

SCIENCES OF ADULT EDUCATION AND LIFELONG LEARNING

CLASS LM-57 R
CAMPUS Palermo/Online
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master's Degree Program in Sciences of Adult Education and Lifelong Learning (Class LM-57 R) provides advanced theoretical, methodological, and practical training in educational sciences, adult education, and lifelong learning.
This is achieved through innovative teaching modules and targeted laboratory activities, designed in line with the EDUNEXT project guidelines promoted by the Italian Ministry of Universities and Research (MUR).
The EDUNEXT model aims to significantly innovate higher education in Italy by integrating advanced methodologies and technologies for accessible, personalised, and market-responsive learning tailored to student needs.
Delivered in a hybrid format (two-thirds online), the course follows the Blended Intensive Programme model and includes the issuance of Open Badges.
The programme aims to train highly qualified professionals in designing, managing, and evaluating educational and training interventions for adults.
It focuses on developing advanced competencies in lifelong learning and continuing training.
The course has open admission.

What do you learn?

The Master's Degree Program in Sciences of Adult Education and Lifelong Learning (Class LM-57 R) prepares educationalists and adult trainers.
Graduates will be capable of analysing, designing, and managing complex educational interventions, and coordinating services for individuals, families, and organisations in public, private, profit, and non-profit sectors.
They can work in community services, socio-educational organisations, schools, companies, associations, and cooperatives, in both national and international contexts. The course offers advanced insights into theories and practices related to adult education, preparing professionals with high organisational skills for designing and evaluating specialised educational programs.
Graduates will be equipped to provide pedagogical consultancy, manage educational services, and offer guidance and support in both standard and challenging situations, meeting labour market demands.
Skills include designing and evaluating educational programs, critically analysing educational processes, and managing complex organisational contexts.

What can you do with it?

Graduates of LM-57 R will be able to meet the demand for educational and training expertise in the following areas:

- Designing and coordinating lifelong learning interventions within companies, public organisations, private entities, and third-sector organisations;
- Providing consultancy for human resource development, focusing on individual skills and potential enhancement;
- Serving as experts in educational and social policies aimed at inclusion, active citizenship, and social cohesion;
- Specialising in managing educational processes in multicultural and international contexts;
- Designing and coordinating training programs in corporate, public, and private settings;
- Working as trainers in human resources (HR) and continuing education;
- Acting as pedagogical consultants for non-profit organisations, NGOs, and educational institutions;
- Pursuing research in educational and training fields (continuing towards a PhD).

SOCIAL, WORK, AND ORGANIZATIONAL PSYCHOLOGY

(QUALIFYING FOR THE PROFESSION OF PSYCHOLOGIST)

CLASS LM-51 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Spain

What is the objective of the course? What is it?

The Master's Degree Program in Social, Work, and Organizational Psychology aims to train highly qualified professionals authorized to practice as psychologists. The educational pathway focuses on social, work, and organizational psychology, with additional preparation in related fields such as economic psychology, psychology of cultural integration processes, and communication psychology. The program aims to develop advanced knowledge and skills in cognitive, affective, and behavioral aspects essential for understanding and intervening in social processes and organizational dynamics. Graduates will acquire multidisciplinary and practical training, enabling them to take on high-responsibility roles in work and organizational contexts and in services for individuals, groups, and communities, such as schools, public institutions, companies, and healthcare facilities. Through a curriculum that integrates theory and practice, students are prepared to operate in various areas, including needs analysis, cultural mediation, human resources assessment, career guidance, and workplace distress management. In summary, the program equips students to become competent and independent psychologists, ready to tackle professional and social challenges in various work environments.

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What do you learn?

The Master's Degree Program in Social, Work, and Organizational Psychology offers students advanced training to prepare them for independent professional activities. Throughout the program, students acquire specific skills for needs analysis, diagnosis, and goal setting in psychosocial and organizational contexts. They learn to design and manage cultural mediation interventions, a fundamental skill in environments characterized by diversity and integration. The program provides tools for assessing human resources, through individual and group assessments, and applying knowledge in areas such as legal and community psychology. Students develop expertise in career counseling, professional guidance, and career development and training, gaining the ability to support individuals and groups in achieving professional goals. Additionally, the curriculum delves into workplace distress dynamics, such as burnout, mobbing, and work-related stress, as well as the quantitative and qualitative evaluation of organizational processes. The educational offering also includes the assessment of economic behaviors and consumption patterns, as well as the psychological analysis of political behaviors. These skills enable graduates to tackle the diverse challenges of the professional world with preparation and flexibility, contributing to individual and collective well-being in organizational and social settings.

What can you do with it?

Graduates of the Master's Degree Program in Social, Work, and Organizational Psychology acquire training to pursue various professional and educational paths. Upon completing the program, graduates can independently practice as psychologists in companies, schools, public institutions, communities, and social organizations. Thanks to the skills gained, they can take on roles of responsibility in needs analysis, human resources management, career guidance, and cultural mediation. Additionally, they can address issues such as burnout, mobbing, and work-related stress, contributing to improving organizational and individual well-being. The educational pathway also opens opportunities for careers in legal and community psychology, career counseling, training, and career development. Graduates can evaluate organizational, economic, and political processes, working in fields such as marketing, organizational consulting, or psychosocial research. From an educational standpoint, the program grants access to second-level Master's programs, Ph.D. programs, and specialized psychology schools, further expanding opportunities for specialization and professional advancement. With solid theoretical and practical training, graduates are well-prepared to embark on diverse careers that leverage their psychosocial skills across a wide range of sectors.

HUMANITIES

www.unipa.it/dipartimenti/scienzeumanistiche

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-3 R	Disciplines of Music and Performing Arts (DAMS)	PA
L-10 R	Humanities	PA
L-11 R&L-12 R	Languages and Literatures - Intercultural Studies	PA
L-11 R	Languages and Translation for Cultural and Territorial Services	AG
L-5 R	Philosofical and Historical Studies	PA

MASTER DEGREE

LM-43 R	Digital Humanities for the Cultural Industry	ONLINE
LM-14	Italianistics	PA
LM-37R& LM-39R	Languages and Literatures: Interculturality and Education	PA
LM-38 R	Modern Languages and Translation for International Communications	PA
LM-45R& LM-65R	Musicology and performing sciences	PA
LM-78 R	Philosophical and historical sciences	PA
LM-37 R	Transnational German Studies	PA

DISCIPLINES OF MUSIC AND PERFORMING ARTS

CLASS L-3 R
CAMPUS Palermo
TYPE OF ACCESS Free/Planned
Free for curricula: visual arts, music, performing sciences;
Planned for curriculum: theatre practices
SEAT OF INTERNATIONAL AGREEMENTS
France
Greece
Ireland
Spain
United Kingdom

What is the objective of the course? What is it?

The course in Disciplines of Music and Performing Arts to provide a basic and interdisciplinary cultural preparation in which the theory, history, analysis of visual, musical and entertainment art forms (theatre, cinema and media) in the classical world and in the contemporary world are integrated with knowledge of computer science and principles, methods and techniques for the planning and representation of drawing, architecture and design.

The Course is divided into four curricula, dedicated to the Arts, Music, Entertainment, Acting and stage professions.
This last curriculum (limited number) is managed in agreement with the Teatro Biondo, Stabile di Palermo and the announcement is held every three years.
The choice of specific courses per curriculum allows you to specialize culture and basic and transversal skills.

What do you learn?

The objective of the course of study is to provide graduates with disciplinary knowledge on the arts, on the specific characteristics of the media for the production of artistic languages and the modification of the way of thinking and making art, integrated with interdisciplinary knowledge that makes them professional and directed to knowing how to do it.

What can you do with it?

Profile: Expert in conception, planning, production and management in the fields of arts, music, theatre, cinema and media.

Functions: Planning of interventions and multimedia materials in the artistic field; Curation of multimedia cultural contents.
Drafting of operational projects, drafting of texts; Communication planning; Connection functions between the various figures involved in production; Drafting of programs and presentations.
Skills: Drafting and editorial care of materials; Coordination of interventions; Finding specific skills and organization of work phases and sequences; Organizers of events in the field of figurative arts, music, theatre, cinema and new media; Text writers; Project and presentation editors; Those responsible for organisation, presentation and fund raising.
Opportunities: Sector, traditional and multimedia publishing; Radio, television, cinema, websites; Museum institutions, theatres, cinemas.
Authors and editors of texts, programs, presentations, brochures; Creation and collaboration in the conception and programming of cultural events.
More specific training can be obtained in the subsequent university training cycle (master's degree) such as in the degree course in "Musicology and Entertainment Sciences" activated at the Department of Humanities of the University of Palermo.

HUMANITIES

CLASS L-10 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Belgium
England
France
Germany
Greece
Holland
Poland
Romania
Spain

What is the objective of the course? What is it?

The objective of the Bachelor's Degree is to train graduates with literary, linguistic, philological, historical, and geographical knowledge to be used with full critical mastery in the interpretation of texts, in their various typologies.
It offers a humanistic education that enhances the ability to find and critically use texts and the information they contain, contextualizing them in space and time in order to acquire skills to invest in the world of education, research, and the cultural industry.
The course is divided into three curricula: 'classical', 'modern', 'Italian studies'

What do you learn?

All three curricula share the goal of transmitting a core of essential knowledge, from Italian literature to Latin literature, from the methods of linguistic analysis and formal analysis of texts to the techniques of philology, from geography, in its fundamental declinations, to history in its different temporal frames, from antiquity to contemporaneity.
Those who choose the classical curriculum will deal more particularly with the study of ancient (Greco-Latin) societies and cultures, and thus with Greek literature, Greek and Roman history, classical philology, and Greco-Roman archaeology.
Those who choose the modern curriculum will be engaged first and foremost in the study of the problems of the Italian literary and cultural tradition, with a strong investment in Italian literature and the tradition of texts through the principles of Romance philology.
Those who choose the curriculum in 'Italian studies' will face the study of literatures, in Italy and Europe, over a long time span, from Latin antiquity to contemporary times; and will have to become familiar with the problems of art history, music history and film history in a constant comparison between Italy and Europe.
Students will then be able to specify the profile of their curriculum, adapting it better to their inclinations, through the choice, in a rich range of opportunities, of some optional courses.
Translated with DeepL.com (free version)

What can you do with it?

Traditionally, the Bachelor's Degree in Humanities (Lettere) has had as its fundamental training mission that of preparing future teachers of literary subjects in the secondary school.
In the current university system, the Bachelor's Degree does not give direct access to competitive examinations or qualifying courses, for which the higher degree of the Master's Degree (Laurea Magistrale) is required, which is also a necessary step for access to the third level of university education, namely the Doctoral Degree.
Within this frame of reference, therefore, the Humanities graduate will achieve a complete basic humanities education to continue in the chain of university education (within the educational offerings of the University of Palermo: 'Classic Studies' and ' Italian Studies' as prosecutions immediately in line with the three curricula, but also 'Philosophical and Historical Studies' and ' History, Anthropology and Geography').
However, the course also offers the possibility of acquiring a professional profile suitable to carry out activities in the field of cultural heritage, information and communication, publishing; and also to face the new professional frontier of Digital Humanities.

LANGUAGES AND LITERATURES INTERCULTURAL STUDIES

CLASS L-11 R/L-12 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
France
Germany
Irland
Poland
Slovenia
Spain

What is the objective of the course? What is it?

The Bachelor's Degree course "Languages and Literatures – Intercultural Studies" provides a broad training in the field of foreign languages (level B2) and of the European and extra-European literatures and civilizations, allowing the students to acquire specific skills in the context of intercultural and multilingual exchanges.
The degree course prepares students for employment in various contexts, from the Language Mediation and Intercultural Communication to the publishing, to the tourism industry related to the cultural, archaeological and artistic heritage of Sicily.
More specifically, students who choose to enroll in class L-11 R "Modern Languages and Literatures" will be prepared to find employment as language operator in economic, financial, commercial and cultural institutions, whereas those who will enroll in class L-12 R "Linguistic Mediation and Italian as a Second Language" will achieve effective skills in the teaching of Italian for foreigners.
The degree program is completed by internships and stages at Italian and/or foreign companies, institutions, schools or universities, enabling students to apply, integrate and experiment the acquired knowledge and skills within a real business context.

What do you learn?

The Bachelor's Degree program includes the following languages: English, French, Spanish, German, Arabic, Chinese and Russian.
Students will achieve adequate knowledge of cultural and scientific contents and methods of the foreign languages, linguistic mediation and translation.
They also acquire competences in at least two European or extra-European literatures, as well as a solid expertise in linguistic methodologies and in the diachronic study of the different and specific literary traditions.
With respect to the teaching of foreign languages, students will be able to learn the graphemic, phonetic and morphosyntactic traits of the studied languages, also in relation to the different levels of the Common European Framework.
As far as the literary disciplines are concerned, the degree course guarantees the acquisition of the main methods of approach to the literary text as well as of the various methods of textual interpretation.

What can you do with it?

Job opportunities:
- Language operator in socio-cultural mediation;
- Linguistic Mediator and facilitator;
- Teaching Italian to foreigners;
- Negotiation interpretation;
- Translation in the economic-commercial, communication, cultural, tourist fields;
- Linguistic and cultural consultancy in industry and the tertiary sector (publishing, media, literary and cultural agencies, art and entertainment);
- Organization and production of cultural and informative material in the tourism sector;
- Planning and implementation of intercultural events;
- Translation in the economic-commercial, communication, cultural, tourist fields.

The degree course provides students with the linguistic and cultural requisites needed to continue in 2nd cycle degree courses in view of both teaching and research preparation.
More precisely they can enroll in the following Master's degrees of the University of Palermo:
- Languages and Literatures: Interculturality and Education;
- Modern Languages and Translation for International Communications;
- Transnational German Studies.

LANGUAGES AND TRANSLATION FOR CULTURAL AND TERRITORIAL SERVICES

CLASS L-11 R
CAMPUS Agrigento
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The new Bachelor's Degree in “Languages and Translation for Cultural and Territorial Services” (L-11), based in Agrigento, aims to combine and harmonize in-depth knowledge of two foreign languages with the enhancement of the richness and variety of the cultural, archaeological and artistic heritage of the area of Agrigento, in order to optimize and enhance the tourist-cultural vocation of the territory.The Course of Studies aims to provide a B2 level of proficiency in two foreign languages to meet the demand in the cultural tourism sector, including the ability to translate and elaborate specific texts (also multimedia), with a strong cultural content, in the most widespread forms in the world of tourism communication (leaflets, brochures, itineraries, guides, web pages, etc.), in relation to territorial vocations and with particular attention to intercultural and interethnic issues, supported by various and complex business activities, tourism and cultural enterprises. The new Degree Course will allow students to undertake an interdisciplinary training path that offers new professional opportunities in the field of translation and multicultural communication, by valorizing humanistic knowledge as a resource to be used in new productive contexts dominated by the production and use of a continuous flow of information, messages, communications, images, texts and tourist content.

What do you learn?

The expected learning outcomes are: a B2 level of proficiency in two foreign languages together with advanced knowledge of their literatures and cultures as well as of their historical and geographical frameworks; ability to use the methodologies of critical and linguistic analysis and literary comparison at an advanced level; the acquisition of theoretical and applicative tools for linguistic and discourse analysis; theoretical-practical reflection on issues relating to social inclusion through knowledge of the learners' multilingual repertoires; the acquisition of the basic mechanisms that regulate linguistic change at a diachronic and synchronic level and of advanced tools aimed at studying linguistic and intercultural contacts; the study of the fundamental morphological and syntactic structures of medieval vernacular texts relevant to the Romance or Germanic areas; the acquisition of regulatory and administrative skills for the effective management of museum activities, including the conservation, interpretation and display of the archaeological and naturalistic cultural heritage and material evidence (monumental, epigraphic, numismatic, artifacts, etc.), also through the use of written and iconographic sources; the study of promotional strategies for a geographical area to attract visitors, residents and investments (Territorial Marketing).

What can you do with it?

The Bachelor's Degree in “Languages and Translation for Cultural and Territorial Services” (L-11) aims at providing the skills needed to carry out activities such as: cultural operator with functions of planning, coordination and implementation of broad-spectrum cultural events; expert in translation and drafting of texts, dossiers and informative material also in foreign languages; literary and editorial consultant, as well as expert in intercultural mediation; activities related to communication in multicultural work contexts (cross-cultural management), both in public and private bodies, and in national and international cultural institutions.By virtue of the training path undertaken and the skills acquired, graduates in “Languages and Translation for Cultural and Territorial Services” (L-11) will be able to: develop, manage and promote development projects and interact with European and non-European administrative, cultural and political institutions; play roles of responsibility in activities related to sectors such as publishing, literary translation, communication in the tourism sector and the enhancement and promotion of the artistic and cultural heritage of the territory.Graduates in “Languages and Translation for Cultural and Territorial Services” (L-11) may also choose to continue their studies in a two-year Master’s Degree or in a 1st-Level Master Degree in Italy or abroad.

PHILOSOFICAL AND HISTORICAL STUDIES

CLASS L-5 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
China
Czech Republic
Germany
Poland
Romania
Spain

What is the objective of the course? What is it?

The Bachelor's Degree aims at providing solid undergraduate knowledge of the history of philosophical thought as well as of the history of mankind from antiquity to date,and well-grounded information about the processes of change of philosophical,socio-political and economic systems.The educational programme is structured in a way to provide students with command of the variety of methods and tools for the updating and research in the philosophical and historical field as well as a critical approach to the main issues of the contemporary debate in the specific areas of theoretical, linguistic and logical-epistemological, philosophical and scientific, historical, social, ethical and political, religious and aesthetic research. The degree course aims to train more specifically the following skills:Understanding Graduates in philosophical and historical studies will be able to understand and interpret texts and sources with a good grasp of specific methods of analysis of documents and events and a good knowledge of the approaches to the interpretation of texts and evaluation of arguments. They must also acquire the ability to understand the relationships between historical reality and cultural phenomena.
This understanding will be gained through various educational activities, namely:lectures and guided discussions possibly oriented towards current debate issues;exercises on texts and sources of particular philosophical, historical and historical-philosophical relevance.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The course aims at enhancing students' readiness to recognize critically the conceptual structures operating in historical and cultural processes, the ability to apply knowledge of the historical and philosophical tradition to current theoretical research problems, the ability to establish relationships between the knowledge possessed and the central issues of the current debate.
Students' are expected to come to the determination of independent judgments on philosophical, logical-epistemological, linguistic, aesthetic, historical, social, ethical and political themes, on scientific matters and their implications in the public interest.
The degree course includes a group of activities, common to the philosophical and historical curricula, aimed at basic training in humanities and at the acquisition fundamental skills in philosophical and historical studies (more than 80 credits).
The two curricula differ for a specific articulation of historical and philosophical disciplines enabling students to qualify their studies through specific history or philosophy teachings, which are consistent with the cultural and educational project of the course and providing solid groundings for accessing the 2nd cycle degree Course preparing them to access the competitive selections for teaching in secondary schools (History and Philosophy and human Sciences in high schools).

What can you do with it?

Self-employment or employment in local and national public bodies; associations; consulting companies, research agencies, as:Genealogist, in institutions and genealogical libraries, research centers, consulting companies for heraldic research;Historian, in public and private agencies and research centers;Philosopher, in public and private bodies that carry out activities of philosophical counseling and human resource management;Freelance Essayist;Freelance Writer; Copywriter, in advertising Agencies and as freelance;Archivist, in Libraries and public and private archives, in book publishing and journalism, Libraries and public and private archives;Librarian, in Public agencies with libraries (national, regional, municipal, universities facilities), libraries and private centers of documentation;Museum curator, in public and private institutions (museums, exhibition centers, etc.);School-job guidance counselor, in public and private organizations that provide training and orientation (provincial center for employment, universities, accredited private facilities for employment, etc.);Counselor for university studies, in public and private bodies that carry out training and guidance (universities, accredited training and vocational guidance centres, etc.).

DIGITAL HUMANITIES FOR THE CULTURAL INDUSTRY

CLASS LM-43 R
CAMPUS Online
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium

What is the objective of the course? What is it?

The Master's Degree Course in Digital Humanities for the Cultural Industry (LM-43 R), the teaching of which will be delivered in Italian and entirely online, focuses on the relationship between humanistic culture and new media, and ranges from literature to linguistics, the arts, cinema, communication, history with an eye to the European and Mediterranean context, in a perspective of integration with the world of communication and the digital humanities.
In fact, the entirely online mode allows (through synchronous and asynchronous interaction, sharing and collaboration with the class and the lecturer) Italian and foreign working students, students with disabilities and family difficulties to access the courses provided with greater ease and flexibility, developing their dynamic and active role in the learning process.
The course enables students to undertake an interdisciplinary training pathway through which they can acquire a humanistic education and at the same time learn, from different perspectives, to master up-to-date IT tools relevant to the processing of cultural content.
The combination of the two disciplinary areas, humanities and IT, is aimed at creating composite and flexible professionals who are familiar with humanistic content, are able to process it in digital form and know how to communicate multimedia products and e-learning via the web.

What do you learn?

The student will acquire the ability to reconstruct, using text coding tools, the genesis and evolution of a text through the realisation of digital editions; to design, develop and manage websites; to plan, create, manage website content; to deal with the editing, uploading and management of content (text, images, video) on websites, blogs, e-commerce portals and social networks; to orchestrate corporate stoytelling through the acquisition, on a theoretical level, of the notions of 'hypotheticality' and 'fragmentariness' and, on an applicative level, of the tools for creating content based on different declinations of digital storytelling (timeline, story mapping, transmedia storytelling, visual and video storytelling) to design and develop video games for educational purposes; to teach and co-ordinate the dissemination of digital innovation in school education; to process and order the library's heritage on an IT level, to digitise the information and document management process, to work on everything related to online research, to maintain and update digital archives; to deal with the IT management of documents, the creation and ordering of a digital archive; to develop digital strategies aimed at intercepting users' needs and meeting them; to digitally process textual content intended for publication.

What can you do with it?

A graduate in Digital Humanities for the Cultural Industry will be able to spend the skills acquired in Publishing Houses and Multimedia Editorial Agencies; in on-line Journalism; in Universities and Research Centres (databases for research projects, Digital Libraries, Information retrieval); in Companies producing and localising software (human-machine interface, usability); in Companies operating in the 'language industry'; in Libraries and Museums; in Schools of all kinds and degrees (e-learning, application of information and communication technologies to learning processes, digital consultancy and coordination activities); in Web agencies.
In other words, graduates will be able to exercise functions of responsibility in activities related to sectors such as publishing and digital publishing, edutainment, quality certification of multimedia products, the arrangement and presentation of databases, and the enhancement of cultural heritage.
The Master's Degree Course therefore trains a professional figure who has theoretical knowledge and operational skills suitable for carrying out professional activities related to the role of cultural operator (with functions of design, coordination, implementation and management of digital platforms and content) and related to intercultural mediation in public bodies and national and

ITALIANISTICS

CLASS LM-14
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
China
Czech Republic
France
Germany
Great Britain
Poland
Spain

What is the objective of the course? What is it?

The Master's Degree Course in Italianistics aims to provide an in-depth disciplinary preparation and adequate tools to train experts in Italian culture, language and literature.
The course is structured in order to allow students to consolidate and expand their knowledge, improving their philology, linguistic, and historical-literary skills, using the most updated instruments of scientific research.

At the end of course, students will have the necessary critical orientation skills in historical-literary phenomena and in the analysis of texts; they will have acquired strong skills in the communicative practice of writing and orality, and they will be able to produce and manage oral texts and professional writings in the field of Italian Linguistics and Literature.

What do you learn?

Graduates in Italianistics learn to perform research and studies on the origin, evolution and structure of languages, the relationships between ancient languages and modern languages, grammars and vocabulary.
They can apply their knowledge of linguistics to the critical revision of written texts for publication, audiovisual and multimedia texts.
Graduates will be able to combine the knowledge provided by their subject field (LM-14) with new knowledge, in constant dialogue with other disciplines and with the use of new technologies.
The program of the course also aims to provide theoretical, critical and methodological competencies to train graduates able to operate in national and international cultural environments.
They acquire notions of didactics functional to teaching and gain their first professional experience through the internship.

What can you do with it?

The Master's Degree Course aims to provide the appropriate skills for preparing students in the fields of research, teaching, organization and management of cultural events, or publishing and libraries.

LANGUAGES AND LITERATURES: INTERCULTURALITY AND EDUCATION

CLASS LM-37 R/LM-39 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Argentina
Austria
Belgium
Cyprus
Czech Republic
France
Greece
Germany
Ireland
Portugal
Slovenia
Spain
United Kingdom

What is the objective of the course? What is it?

The Master's Degree Languages and Literatures: Interculturality and Education is first of all addressed to the teaching of foreign languages in high schools, as well as of Italian as a foreign language in public and private institutions, in Italy and abroad.
Another aim of the Master's degree is to provide a broad humanistic education, enabling graduates to perform a number of various job activities: cultural operator for the promotion and organization of events of different nature and type; expert in the field of social inclusion; expert in translation and writing of texts; literary and editorial consultant; expert in intercultural mediation in public institutions and voluntary associations.
The expected learning outcomes are: full command of two languages (level C1 of the CEFR in at least one of the two), with advanced knowledge of the corresponding literatures and cultures; advanced skills with respect to the methodologies of critical and linguistic analysis, as well as of literary comparison; acquisition of the basic mechanisms regulating linguistic change at the diachronic and synchronic level; knowledge of the fundamental morphological and syntactic structures of medieval texts in the vernacular of the Romance or Germanic areas.
The educational programme also provides for a period of internship in public or private institutions, in Italy or abroad, to increase skills with direct professional experience.

What do you learn?

The Master's Degree program includes the following languages: English, French, Spanish, German, Russian.
The course provides a high-level training in the field of humanities with a special focus on the disciplines of linguistics (including syntactic theory, pragmatic theory, sociolinguistics, discourse analysis), literature, history, cultural studies.
Students will also achieve a deep knowledge and understanding of the historical development of languages (historical linguistics), as well as of the mechanisms of the linguistic changes occurring in the course of history in the languages stemming from the Romance and Germanic groups.
Upon completion of their studies, graduates will be able to analyse and elaborate the data of oral communication as well as of written texts, belonging to various genres and literary periods, according to the methodologies studied and in a broad historical-cultural horizon.
Moreover, in order to guarantee students the necessary skills for access to teaching placement opportunities, the training project also includes Latin language and culture, disciplines of the anthropological field, as well as subject of language teaching.

What can you do with it?

Job titles:
- Expert in Didactics of Languages and Civilisations;
- Teacher of foreign Languages within the national educational system, in Italy and abroad;
- Teacher of Italian L2 for foreigners at different levels of schools;
- Expert in linguistic mediation and management of social inclusion processes;
- Expert in linguistic, literary and cultural consulting;
- For those possessing specific credits in appropriate groups of disciplines, as required by current legislation, participation to admission test for training courses for secondary schooling of linguistic and literary subjects in Italian schools and teaching of Italian as a foreign or second language;
- Linguistic centres and institutes of Italian culture in Italy and abroad, as teacher of Italian language and culture LS/L2;
- Associations and public and private institutions dealing with language training in Italy, where the graduate - in addition to teaching activities - contributes to the implementation of initiatives aimed at integration (especially of migrants);
- Planning and promotion of cultural activities with high responsibility functions;
- Collaboration as linguistic and cultural consultants, also with high responsibility functions, in the field of entertainment, publishing and journalism and multimedia communication, both nationally and internationally;
- Collaboration, also with high responsibility functions, to voluntary and non-profit associations for social inclusion and for the development of the territory.

MODERN LANGUAGES AND TRANSLATION FOR INTERNATIONAL COMMUNICATIONS

CLASS LM-38 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Argentina
Belgium
China
Czech Republic
France
Germany
Poland
Portugal
Slovenia
Spain
United Kingdom

What is the objective of the course? What is it?

The Master's Degree in Modern Languages and Translation for International Communications which mainly provides a linguistic and humanistic training, aims at the achievement of a full command of two foreign languages belonging to the European Union area, the Slavic area, the Chinese and / or the Arab-Islamic area.
At the same time, purpose of the Master's degree is the acquisition of the theoretical and applicative tools for linguistic analysis and translation of all kind of texts (literary, legal, scientific and specialized languages).
A fundamental aspect of the architecture of the Master's degree is the scientific and professional study at a high level, which can be pursued through the organization of the educational offer developed in training courses in the field of translation and which guarantee high theoretical and applicative skills that can be spent, in particular, in the field of audiovisual translation and subtitling, as well as in the translation of non-fiction texts, and in the publishing world.
The professional goal is to create experts and specialists with high skills in European and American languages and cultures, in Slavic ones, in Arabic-Islamic ones, as well as in the Chinese language and culture, and with the knowhow necessary to find employment in cultural institutions in Italy and abroad, in an international context.

What do you learn?

The Master's Degree program includes the following languages: English, French, Spanish, German, Russian, Arabic and Chinese.
With regard to the study of foreign languages, the degree program offers a high-level linguistic and metalinguistic training, with in-depth studies in the different levels and registers of oral and written communication, as well as in the specialized lexicon and in the sectoral languages.
The syllabus incorporates disciplines aimed at acquiring linguistic, socio-linguistic and translation skills, including the study of phonological, morpho-syntactic and lexicological systems, as well as the theoretical and methodological aspects of the translation process, also with reference to the use of the CAT tools.
The course involves also the study of history, literature, literary criticism and of a discipline of the legal field.
Moreover, the educational programme provides for a period of internship in public or private institutions, in Italy or abroad, to increase skills with direct professional experience.

What can you do with it?

Job titles:
- Translator and Liaison Interpreter;
- Cultural Linguistic;
- Mediator Literary;
- Translator Audiovisual;
- Translator Translator of specialized texts.

MUSICOLOGY AND PERFORMING ARTS

CLASS LM-45 R/LM-65 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Finland
Germany
Malta
Spain

What is the objective of the course? What is it?

The Master's Degree program in Musicology and Performing Arts provides in-depth historical and theoretical knowledge of music, theater, and film, their relationships and the ways in which they are disseminated.
The course also provides adequate competence in literary, philosophical, and economic disciplines, completing the student's preparation also from an interdisciplinary perspective.

The course trains students capable of dealing independently with original research and professional activities in the fields of the disciplines characterizing the Master's Degree, from teaching to media criticism to cultural organization and management.
The student deepens the preparation already acquired related to the disciplines of musicology, ethnomusicology, theater, entertainment, cinema and audiovisual media.
He/she also acquires advanced, theoretical and practical skills around the modes and forms of live performance (musical and theatrical) both traditional and high-tech digital such as multimedia installations and technological theater, as well as similar skills around the modes and forms of audiovisual, film, television and multimedia productions.

What do you learn?

The objectives described above are achieved through: lectures and seminars; subsequent verification, through written and/or oral examinations, of the skills acquired both during lectures and during individual study; drafting of written texts or bibliographical research; participation in laboratories and internships; and the preparation of a thesis under the guidance of a supervisor, considered an essential moment of a personal reworking of the knowledge and methodologies acquired.

What can you do with it?

The Master's Degree allows teaching in the A30 (Music Education) and A53 (History of Music) competitive classes.
Graduates can find employment in public or private facilities such as concert and theater organizations, museums, multimedia archives, festivals, press offices, and film productions, where they can perform the following duties: consulting,

PHILOSOPHICAL AND HISTORICAL SCIENCES

CLASS LM-78 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Germany

What is the objective of the course? What is it?

The Master's Degree in Philosophical and Historical Sciences provides in-depth training in the fields of historical-philosophical, theoretical, logical-epistemological and linguistic, gnoseological, philosophical-scientific, ethical-political, aesthetic, historical and historiographical studies.

What do you learn?

On the basis of the knowledge and skills developed in the first cycle of studies, the student will acquire an advanced knowledge of the main methodologies for analysing philosophical texts, with reference to fundamental concepts, forms of argumentation, particular languages, as well as theories and interpretative models in use in the various fields of philosophy and history.
On this basis, the student will acquire the ability to set up an original research project, moving on an interdisciplinary level.
Translated with DeepL.com (free version)

What can you do with it?

Graduates in philosophy and history can apply for teaching history and philosophy in high schools, can work in human resources, public relations, the cultural industry and in all contexts where creativity, analytical skills, problem solving and argumentative skills are required.

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TRANSNATIONAL GERMAN STUDIES

CLASS LM-37 R
CAMPUS Palermo
TYPE OF ACCESS Planned
SEAT OF JOINT DEGREE/DOBLE
Germany
Luxemburg
Portugal
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Luxemburg
Portugal

What is the objective of the course? What is it?

The course offer students an attractive master's degree in cultural studies and the humanities, which teaches the history of European cutlure and ideas in depth, using an advanced anad disciplined approach, offers a wide range of interdisciplinary and trans-European content, makes experience of European universities and an international degree possible in a structured format, and simultaneously and continuously integrates a large number of extra-disciplinary skills into the course of the degree, particularly intercultural, linguistic, and career-relevant skills.

What do you learn?

- German Literature;
- German Language;
- Interculturalism;
- Academic writing;
- Employability and the promotion of Competencies.

What can you do with it?

- Head of language centers and language and culture institutes in Italy and abroad;
- Head of offices in the field of international relations present both in Italy and abroad;
- Proofreader and translator at national and international publishing houses;
- Responsible for associations and public bodies dealing with interculturality.

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DEPARTMENT INDEX

LAW

www.unipa.it/dipartimenti/di.gi.

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-14 R	Business Legal Consultant	TP
LMG-01 R	Law	PA, TP

MASTER DEGREE

LM-90 R	Migration, Rights, Integration	PA

BUSINESS LEGAL CONSULTANT

CLASS L-14 R
CAMPUS Trapani
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Poland
Spain

What is the objective of the course? What is it?

The Bachelor's Degree Course in Business Legal Consultant belongs to the class of Legal Services Sciences (L-14 R).
It aims to provide students with adequate legal training, combined with economic-business and management skills.
The Course trains legal professionals who, thanks to an interdisciplinary training, are able to guide the creation of new businesses, manage and provide advice to existing businesses, enhancing their ties with the territory and with public administrations and other businesses operating therein.

The Course aims to provide new graduates with the ability to:

- Know, interpret and apply Italian and European Union law, and have sufficient knowledge of international and comparative law to conclude international contracts;
- Know how a business works from an economic-financial point of view, monitor the cost-effectiveness and solvency of management, know how to read and write both a balance sheet and a business plan;
- Organize production factors effectively, and evaluate whether and when to relocate.

What do you learn?

The programs of the Course's teachings combine legal subjects with economic subjects.
The educational offer includes basic teachings in the legal area, in which centrality is given to profiles concerning the company, as well as teachings aimed at providing specific skills to the corporate lawyer, also in light of the ecological and digital transition.
From this perspective, the student learns the legal discipline of economic relations and of trade and investment of the company, of the environment and of the agri-food supply chain, of the financial market, of corporate financing and entrepreneurial cooperation, of aspects concerning over-indebtedness and corporate crisis, as well as market ethics and alternative dispute resolution techniques.
With the teachings in the economic area, the student also learns the study of the economic processes of society, of public policies, of the regional economy and of territorial pacts and of the organizational, administrative and management aspects of companies.
During the three-year period, two periods of compulsory internship are foreseen for students at professional firms, companies or public bodies, which can also be cumulated at the same host body.

What can you do with it?

The Bachelor's Degree trains business consultants, whether public or private (in the capacity of freelancer or employee) and therefore allows them to work in companies, such as those operating in the banking, financial or insurance sectors.

The Course also trains entrepreneurs, company directors, managers and custodians of real estate assets, allows access to public competitions for L-14 R graduates for administrative officials as well as access to qualifications for condominium administrator and labor consultant.
The new graduate also has the opportunity to continue studying, enrolling in the Master's Degree Course in Law (at his/her choice, at the Palermo or Trapani headquarters), obtain validation of the exams taken and, with a commitment of another two years, obtain the five-year Master's Degree in Law.

LAW

CLASS LMG-01 R
CAMPUS Palermo,Trapani
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Czech Republic
France
Germany
Lithuania
Poland
Slovakia
Slovenia
Spain

What is the objective of the course? What is it?

The course of study in Law lasts five years, with a total of 300 CFU.
It envisages teachings and methodologies that foster the acquisition of knowledge and skills in national and supranational legal systems, professional deontology, legal and forensic logic and argumentation, legal informatics, as well as knowledge of legal language in a foreign language.

The course of study provides for the inclusion in the student's training of related or supplementary subjects, in order to make it relevant and appropriate for access to the professional fields of the law degree and prepares a training project that enables the student to make use of the knowledge and skills acquired and to follow their development independently, both from a technical and methodological point of view.
The range of courses on offer is enriched by a wide range of activities chosen by students, which allow them to personalise their training path according to their inclinations and professional aspirations, as well as by a large number of Erasmus Agreements, which allow students to spend a period of study abroad.
At the Palermo campus, the Italian-language course is flanked by a partially English-language course called Legal Studies, which provides, already in the first four years, a series of English-language courses in place of their Italian counterparts and, in the fifth year, is divided into two professionalising courses:

- Legal Studies
- Private Law and Legal Studies
- Public Law.

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What do you learn?

The course of study in Law ensures the acquisition of knowledge and skills in the development of legal reasoning, of the general theoretical structures underlying a legal system, of constitutional principles, of the regulatory and procedural models of legal experience also in historical perspective.
The course allows the acquisition of adequate knowledge and understanding of the development of private relationships, in the dynamics of business and labour relations also in relation to the comparison of other legal systems, as well as the purpose and the rules of civil proceedings.
The curricular path, moreover, allows the acquisition of adequate knowledge and understanding of the organisation and functioning of the State also from a comparative perspective, the study of ecclesiastical systems, the organisational design of public administration and administrative justice, the functioning of the European Union, the international legal system, the State tax system, criminal law and the rules of functioning of the criminal trial, the reference models of micro and macroeconomic theory.

What can you do with it?

Law graduates traditionally enter the legal professions, such as the bar, the judiciary and the notary.
In addition, the law graduate spends his/her competences and skills in the professional profiles of national, supranational and foreign companies and public institutions.
As a legal expert, the graduate can work in international organisations, public bodies and non-profit associations.

MIGRATION, RIGHTS, INTEGRATION

CLASS LM-90 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Congo
Ivory Coast
United Kingdom
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Croatia
Finland
France
Germany
Latvia
Norway
Poland
Romania
Spain

What is the objective of the course? What is it?

The Course offers a specialized training on the phenomenon of human mobility and on the issues related to the interaction and participation of migrants in host societies, with a particular focus on Europe.
The Course aims to train experts in the phenomenon of migration and the fundamental rights of people on the move, giving particular emphasis to theoretical and practical legal aspects, but also to the development of skills in the political, sociological, anthropological, geo-historical and economic area.

What do you learn?

The Course aims to provide transversal and interdisciplinary skills typical of Migration Studies, with a particular emphasis on legal issues.
At the end of the Course, graduates will have acquired advanced level knowledge suitable for analyzing, interpreting, evaluating and managing the main problems related to different form of migration and the participation of foreign citizens. They will be able to evaluate these phenomena in their quantitative and qualitative aspects, to recognize their causes and trends and, thanks to the particular attention dedicated to the legal aspects of the phenomena themselves, to interpret and apply the legal instruments in which current national, European and international policies are articulated.
The knowledge acquired will also allow them to develop a critical vision of the policies themselves and to contribute to planning strategies inspired by transnational justice.

What can you do with it?

This educational path allows access to public institutions in the roles of administrative officials and managers at ministerial, regional and local levels; to the ranks of supranational and international institutions, both universal and regional, with high-responsibility roles; to NGOs engaged in human rights and in particular in the sector of migration and asylum; in organizations that operate in the sector of reception, integration, inclusive and participatory citizenship.

ECONOMICS AND STATISTICAL SCIENCES

www.unipa.it/dipartimenti/seas

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-18 R	Economics and Business Administration	PA, AG
L-37 R	Economic Development, International Cooperation and Migration	PA
L-33 R	Economics and Finance	PA
L-41 R	Statistics And Data Science	PA
L-15 R	Tourism, Territories and Business	PA, TP

MASTER DEGREE

LM-77 R	Business Administration Sciences	PA
LM-56 R	Economic and Financial Science	PA
LM-DATA& LM 82 R	Statistics And Data Science	PA
LM-49 R	Tourism Systems And Hospitality Management	PA

ECONOMICS AND BUSINESS ADMINISTRATION

CLASS L-18 R
CAMPUS Agrigento, Palermo
TYPE OF ACCESS Planned
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Belgium
Croatia
Czech Republic
France
Germany
Greece
Hungary
Lithuania
Netherlands
Poland
Portugal
Slovakia
Spain
Switzerland

What is the objective of the course? What is it?

The Bachelor's Degree program provides a general understanding of the fundamental areas of business.
In particular, it provides a general background in accounting, economics, finance, information systems, management, marketing, law, mathematics and statistics.
Students will acquire a critical awareness of structures, functions, processes, and systems of all business types (private, public, no-profit, financial).

What do you learn?

Students acquire basic knowledge and competences in Accounting, General Management, Banking and Finance, Management control, Mathematics and Statistics, Economics, Private and public law, Commercial and fiscal law, Labour law, Human resources organization, Marketing.

What can you do with it?

Master courses in Economics and Business Administration, professional opportunities as Manager, Accounting expert, Banking, Financial institutions, and Insurance companies, Finance and management control, Public administration and public firms, Auditor, Labour Consultant.

ECONOMIC DEVELOPMENT, INTERNATIONAL COOPERATION AND MIGRATION

CLASS L-37 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Germany
Mauritania
Poland
Spain
Tunisia
USA

What is the objective of the course? What is it?

The Bachelor's Degree Program aims to provide multidisciplinary knowledge and skills in the fields of economic, social, and demo-ethno-anthropological sciences, as well as development planning, with a particular focus on environmental sustainability. The program is designed to equip students with the ability to understand, address, and professionally manage the challenges and opportunities arising from economic and social development interventions and cooperation efforts, both in underdeveloped and marginal areas as well as in advanced economies. After a common first year, the program is divided into two curricula: one primarily focused on economic development, sustainability, and environmental issues; and the other oriented towards international cooperation and the analysis of migration phenomena, featuring nine courses taught in English. The training aims to develop the skills necessary to operate within organized contexts such as public administration at both local and national levels, as well as international organizations, governmental and non-governmental, and the third sector. Additionally, it prepares students for roles in private enterprises, both national and international, that are interested in pursuing investment strategies in developed and transitional economic areas.

GENERAL INDEX
DEPARTMENT INDEX

What do you learn?

The student will be guided along an educational pathway that will lead to the development of an in-depth understanding of the dynamics underlying the main processes of development and economic convergence, at both micro and macro levels, through economics disciplines. They will also gain insight into social relationship processes, with a detailed focus on demo-ethno-anthropological aspects related to past and modern traditions, through the study of anthropological, sociological, historical, and demographic disciplines. Furthermore, the program will provide knowledge of key concepts in legal disciplines, with particular emphasis on supranational law. Students will acquire the tools and methodologies of statistical, social, and economic analysis necessary to describe complex phenomena. Additionally, they will explore the essential aspects of social entrepreneurship and the design of sustainable development models and social innovation strategies.

What can you do with it?

Expert in the design of programs for economic and social development and fundraising. In a professional context, the roles encompassed in this unit are diverse and wide-ranging. A territory animator and planner promotes and enhances the growth opportunities of a local community within broader area development plans. Experts in economic and social development conduct research on concepts, theories, and methods to analyze and understand market functions, identifying practical solutions to the challenges faced by highly marginalized local economies. These experts actively engage with topics such as the sharing economy and community building, addressing the needs of local contexts with a particular focus on circular economy and environmental sustainability. They perform functions related to the design and management of cooperation and development initiatives. They are equipped with the ability to analyze economically underdeveloped contexts, to intervene effectively in local development processes, and to select and implement intervention policies capable of triggering sustainable development. Furthermore, they conduct economic analyses and are proficient in the use of statistical and methodological tools for the study of economic and social phenomena. Their expertise also includes the ability to examine and interpret the relationships between fundamental economic variables.

ECONOMICS AND FINANCE

CLASS L-33 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Poland
Portugal
Slovakia
Spain

What is the objective of the course? What is it?

The course offers a solid basic preparation in the economic-financial and mathematical-statistical, business and legal fields.
During their course, students will have the opportunity to benefit from Erasmus+ mobility programs for study and internships and job placement activities.

What do you learn?

The training course offers students the basic analytical and quantitative tools necessary for managing the risk associated with financial investments.

The course also provides useful tools for evaluating public policies with particular reference to those related to economic and territorial development, taking into account the macroeconomic and regulatory framework of reference.

What can you do with it?

In addition to the Master's Degree course in Economics and Finance, the course provides an exiting cultural profile that is characterized by knowledge, skills and even transversal competences that guarantee both traditional employment opportunities (in the field of economics and finance) such as Economic Consultant, Banking and Insurance Technician, Financial Promoter, Local Development Agent, and an ability to adapt to the needs of continuously changing professional profiles.
At the end of the course of study, the three-year graduate must be able to make decisions regarding consumption, savings and investment (both in the private and public sectors) also evaluating any legal and business implications, identifying the best strategies for intervention policies, in the light of possible quantitative analyses.

STATISTICS AND DATA SCIENCE

CLASS L-41 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Poland
Spain
USA

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The Bachelor's Degree in Statistics and Data Science is the three-year course of study in statistical disciplines.
Statistical methods are transversal to any other discipline and they are the engine of the most recent innovations and applications.
Statistics uses mathematical tools but it is not addressed solely at students with scientific or technical skills; in particular, the Course has a strong applied characterization that allows statistical methods to be declined in the economic, financial, health, biostatistical, environmental, computational context, with great attention to the IT tool and specific software for the management of big data and databases.
The Course accompanies the student in this process by providing knowledge and abilities to be a Statistician Data Analyst able to operate with autonomy and responsibility in full harmony with the needs of the labor market, within which the profession of statistician will be increasingly in demand, as underlined by many experts.
The optimal balance between the number of students and professors allows great attention to the needs of students also about resources and classrooms.
Finally, the Course, thanks to the numerous national and international contacts, allows for training and experiences (also) abroad with the aim to obtain graduates with expertise in data collection, management and analysis through the use of advanced and modern statistical methods.

What do you learn?

The graduate in Statistics and Data Science is trained in the different subjects gradually.
The first year is dedicated to the foundations of a Statistician/Data Analyst: mathematics, probability, informatics, statistical methods for observation, classification and synthesis, including graphical representation of data.
The English language and some applied courses in the economic and health fields provide the general framework.
The second year is aimed at deepening the topics by strengthening the mathematical knowledge, informatics and statistical techniques expanding the basis of Statistics and the relationships between phenomena with specific focus on demography and statistics applied to economic and social topics.
The third year strengthens the statistical competence both from a theoretical and applied point of view.
It is also possible a partial modification of the study plan with a choice among optional subjects taught by the Course and by the University.
Also, the student acquires the Certification (Open Badge) as a SAS Programmer, a specialized statistical software used in large companies and institutions; similarly, great attention is paid to other software such as R and Python.

What can you do with it?

The competence of the graduate in Statistics and Data Science is summarized in Data Analyst or Junior Data Scientist: it combines IT skills for the construction and management of databases and statistical skills related to the description, analysis, interpretation and modeling of economic, social, medical, environmental data also in forecasting terms.
The graduate will be able to prepare statistical reports and presentations on topics and application areas.
The professional opportunities concern all activities in which expertise is required in the production, processing, management and interpretation of data in all application areas without neglecting statistical programming.
The graduate will be able to cover the role of technician and statistical analyst in the private and public sectors in various fields (economic, banking, financial, biomedical, epidemiological, environmental, etc.), in small and large companies, in marketing offices, in IT companies, in statistical consultancy companies, in research institutions.
Finally, the skills acquired during the Course will allow the continuation of studies towards the Master's Degree in Statistics and Data Science (LM82-LMDATA), and this will allow the acquisition of the double degree with the University of Valencia in addition to the Open Badge in Data Science offered by the University of Palermo.

TOURISM, TERRITORIES AND ENTERPRISES

CLASS L-15 R
CAMPUS Palermo, Trapani
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Belgium
Germany
Lithuania
Spain

What is the objective of the course? What is it?

The Bachelor's Degree in Tourism, Territories, and Enterprises (based in Palermo and Trapani) offers an interdisciplinary educational program that balances economic, business, and socio-cultural disciplines. This approach equips students with essential skills for managing tourism enterprises, such as tour operators, hotels, travel agencies, and cruise companies, as well as promoting the historical, natural, artistic, and cultural heritage of various regions. The course aims to provide comprehensive training that integrates theoretical knowledge with practical abilities, enabling students to operate in a dynamic, digital, and highly competitive sector. At the end of the program, students will be able to analyze and interpret both the demand and supply of tourism products. The demand includes travel motivations, factors influencing consumer choices, and market segmentation. For this reason, students will also engage with topics related to statistics and sociology. On the supply side, the course focuses on enhancing natural, artistic, and historical-cultural resources, managing hospitality spaces, ensuring service quality, and diversifying tourism products. These skills will enable students to launch entrepreneurial activities in the tourism sector, support policymakers in promoting and governing regions, and contribute to the sustainable development of tourist destinations.

What do you learn?

The educational program combines studies in economics, business, history-sociology, statistics-mathematics, and law, providing students with a diversified foundational preparation suited to the many specializations that characterize the tourism sector. Students will gain an understanding of economic principles (through courses such as Microeconomics and Macroeconomics Applied to Tourism and Economics of the Tourism Industry), develop the ability to analyze and interpret business events (in courses like Business Economics and Accounting for Tourism Enterprises), and utilize this knowledge to manage resources in the development processes of tourism enterprises (in courses like Economics and Management of Tourism Enterprises). Their knowledge will be expanded through courses in Geography, Sociology of Tourism, and Economic and Tourism Business Statistics, helping them better understand the socio-economic phenomena affecting the tourism industry. Students will also learn to use English effectively alongside a second European Union language (French, Spanish, or German) of their choice. Additionally, they will be trained in the use of IT tools to manage and analyze statistical data relevant to the tourism sector. An integral part of the program is a 300-hour internship with companies and other organizations in Italy or abroad. Through Erasmus projects, the program has partnerships with universities in Spain, Germany, Belgium, and Lithuania.

What can you do with it?

At the end of the Bachelor's Degree program, students will have two alternative paths to choose from. First, graduates interested in entering the workforce can take on roles as experts in the tourism sector within private companies and public organizations across various industries. The knowledge gained during their studies will allow them to manage economic, managerial, and organizational aspects of tourism enterprises, as well as conduct qualitative and quantitative analyses of tourism demand and supply. Special emphasis throughout the program will be placed on developing relational skills and problem-solving methodologies, aimed at fostering effective alignment between the interests of the organizations they work for and those of internal and external stakeholders. Second, graduates looking to enhance their expertise further may pursue a Master's Degree. In general, graduates of Tourism, Territories, and Enterprises can access a wide range of Master's Degree programs offered by the Department of Economic, Business, and Statistical Sciences. Specifically, to deepen their knowledge in the tourism sector, this Bachelor's program provides direct access to the Master's Degree in Tourism Systems and Hospitality Management (LM-49 R), offered in Palermo in collaboration with the Chaplin School of Hospitality and Tourism Management at Florida International University (Miami, USA).

BUSINESS ADMINISTRATION SCIENCES

CLASS LM-77 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Croatia
SEAT OF INTERNATIONAL AGREEMENTS
Austria
Belgium
Croatia
Czech Republic
France
Germany
Greece
Hungary
Lithuania
Netherlands
Poland
Portugal
Slovakia
Spain
Switzerland

What is the objective of the course? What is it?

The course of study aims to provide advanced training in the business, economic, statistical-mathematical and legal fields, oriented towards internationalization and change, which allows graduates to continue their studies further, as well as to enter directly into the job market up to the highest levels, both with various clerical roles, in private and public companies, and with various self-employed activities.

What do you learn?

Advanced knowledge in the economic-business field with possible applications to all macro-classes of companies (so-called private, public and non-profit) and to their most widespread classes, especially by sector (industrial, commercial, financial, services and public administration), by size (small, medium and large), by technology (backward, mature, advanced), etc., with an overall orientation towards change and development according to international and multicultural perspectives.

What can you do with it?

Master's Degree, PhD in Business and Economics, Accounting Specialists, Control Specialists in Public Administration, Internal Auditor, Business Economics Specialists, Financial Asset Specialists, Management Specialists in industrial, commercial and service companies, accounting and auditing consultancy firms, public administrations, banks and financial institutions.

ECONOMIC AND FINANCIAL SCIENCE

CLASS LM-56 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
France
Tunisia
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Master's Degree in Economic and Financial Analysis aims to train the figure of the economist and financial analyst, capable of describing and interpreting economic phenomena both at the system level and at the market level, with particular attention to understanding the interactions between economics and finance.

What do you learn?

The fields of knowledge of the Master's Degree in Economic and Financial Analysis are rooted in 4 main disciplinary areas: advanced economic theory, advanced business and financial economics, public and private law and advanced mathematics, statistics and econometrics.

What can you do with it?

The graduate in Economic and Financial Analysis will be able to use the tools of financial analysis and specific knowledge relating to jobs involving financial consultancy activities at financial intermediaries, as well as in the field of public policy analysis at international institutions, territorial bodies linked to economic development, taking into account aspects related to environmental sustainability.

GENERAL INDEX
DEPARTMENT INDEX

STATISTICS AND DATA SCIENCE

CLASS LM-82&LMDATA
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Spain
SEAT OF INTERNATIONAL AGREEMENTS
France
Germany
Poland
Spain
Usa

Piano Nazionale Lauree Scientifiche

What is the objective of the course? What is it?

The Master's Degree in Statistics and Data Science has as its main objective the higher education of statisticians with high competence in data management and analysis.
The Course integrates the LM82 statistical class and the LMDATA data science class, also offering two curricula, one of which is entirely in English.
The master's graduate from the Course will have competence and responsibility in acquiring, organizing and processing large datasets in order to extract information and support decision for the organizations, he will be able to work with IT technologies and advanced programming languages, as well as he will possess a solid base of knowledge, skills and abilities in advanced statistical analysis methods and techniques and in specific statistical and non-statistical software.
The graduate in the Master's Degree in Statistics and Data Science will possess high skills in the management, modeling, analysis and statistical interpretation of data, with the ability to provide solutions to complex problems using the appropriate computer-statistical techniques and methods in all possible application areas of statistics (economic, financial, health, medical, environmental, etc.).

What do you learn?

In the Master's Degree in Statistics and Data Science, students will learn to produce, extract, and analyze information and data to support management activities in the social, healthcare, epidemiological, environmental, economic, financial, and business fields, through – for example – skills in: quality and performance management. sampling for opinion polls; statistical models for forecasting and analysis of financial, insurance, environmental and healthcare risk; design, creation, and management of databases; design and management of experimental analysis and clinical trials; management of geographic information systems; analysis of the economic and social context; statistical analysis of the market and company balance sheet; techniques and tools for epidemiology and biological data analysis; methods and tools for cloud computing and data analytics; languages and software for advanced statistical programming for complex data; big data methods with applications in various contexts.
These skills are also obtained thanks to the presence of two curricula and a high degree of customization of the study plan with a large number of specialized subjects among the optional ones.
Internships/traineeships and/or consultancies in Italy and/or abroad are planned and can also be useful for completing the degree thesis.

What can you do with it?

The graduates in the Master's Degree in Statistics and Data Science are and will be highly sought after by the job market: the management and analysis of large amounts of data are transversal activities of fundamental importance in many applied sectors as highlighted by companies and experts.
The statistician with high competence in data science will therefore be able to carry out tasks of analysis of health, social, economic, business and financial data with forecasting, planning and decision making in public, private and research contexts, as well as in the field of official statistics and will be able to work both in research centers and in companies of various disciplinary fields both in Italy and abroad with reference to application contexts in the economic, business, financial, biological, health, epidemiological areas, database management, planning of surveys and statistical research, production and dissemination of data including official public statistics.
The graduate will therefore be able to cover roles as statistical manager in private and public companies, with responsibility for complex data analysis, as well as carry out consultancy activities on the topics of analysis and management of information and data analysis and deal with statistical programming.

TOURISM SYSTEMS AND HOSPITALITY MANAGEMENT

CLASS LM-49 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF JOINT DEGREE/DOBLE
Croatia
Spain
USA
SEAT OF INTERNATIONAL AGREEMENTS
Jordan
Spain
USA
Vietnam

What is the objective of the course? What is it?

The Master's Degree Course in Tourism Systems and Hospitality Management (TSHM) stems from an agreement between the University of Palermo and Florida International University (FIU) Chaplin School of Tourism and Hospitality Management in Miami.
The course provides students with the possibility to visit FIU on special occasions, as well as to participate in 'visiting' periods during the course activities in Florida, to carry out a training term and/or to complete the whole educational process in Florida.

The Master Degree Course aims to:
- Analyse territorial contexts;
- Plan and manage projects for local tourism development;
- Foster the necessary communication for the development and sustainable management of tourism systems, hospitality and food and wine traditions;
- Disseminate advanced socioeconomic research methods in order to analyse the different components of the tourism system from both the demand and the supply perspectives.

What do you learn?

About 30% of the Credits (ETCS) are taught by Professors from the Chaplin School of Hospitality and Tourism Management, Florida International University, Miami, USA Details about the study program at following link: bit.ly/2tnpwHX

What can you do with it?

High employment rates and several internship opportunities in more than 300 accredited firms in Tourism and Hospitality markets Career and Internship Opportunities: planning, management and marketing of tourism systems; events organization, management and marketing; planning and marketing of territorial tourism systems; territorial economic analysis and research on the tourism market; food and wine Tourism.
Internship opportunities in more than 300 accredited companies in the Tourism and Hospitality sectors.

POLITICAL SCIENCES AND INTERNATIONAL RELATIONS

www.unipa.it/dipartimenti/dems

Università degli Studi di Palermo

GENERAL INDEX

BACHELOR DEGREE AND MASTER DEGREE SINGLE CYCLE

L-16	Administrative Science, Labour Consulting and Social Innovation	PA
L-36 R	Political Sciences and International Relations	PA

MASTER DEGREE

LM-63 R	Complex Administrations and Organizations Science	PA
LM-52 R	International Relations	PA
LM-52 R	International Relations, Politics & Trade	ONLINE
LM-47	Management of Sport and Phisical Activities	PA

ADMINISTRATION SCIENCE, LABOUR CONSULTING AND SOCIAL INNOVATION

CLASS L-16
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Czech Republic
France
Lithuania
Poland
Portugal
Spain

What is the objective of the course? What is it?

The Bachelor Degree Course in Administrative Science, Labour Consulting and Social Innovation offers a multidisciplinary knowledge in different fields, such as law and economics, social matters, political and historical issues, thus allowing graduates to spend their skills in such as field as labour consulting, human resources, digitalization and innovation in Public Administration (both local and national), complex organizations (both private and public bodies) and business administration.
By means of this multidisciplinary approach, graduates will be able to analyse public policies in different frameworks as well as to contribute in developing firms' organization and administration. Moreover, graduates will be able to promote innovation and economic, social and civil development of communities.
The Bachelor Degree Course is also fully enriched by partnerships with local firms, stakeholders, seminars, workshops, educational events, internships, etc., thus allowing a direct and continuous contact with professionals, enterprises and public and private bodies.

What do you learn?

Accordingly with the interdisciplinary spirit of the two curricula ("Management of Private and Public Administrations" and "Employment Consultancy"), and to successfully facilitate the employment of its participants, teaching will have a broad scope. Firstly we will deal with the legal issues, studying a spectrum of subjects dealing with aspects of private business (private, commercial and employment law) as well as the public ones (public, administration and tax law).
There will be also the historical-philosophical-political aspect, which will prioritise disciplines such as the modern European Constitutional History, political-philosophy and the political though. Finally we will look at the area of business-finance, where we will study the political-economy, the business-economy and the historical aspects of the economic thought.
Students will acquire English linguistic skills and could pursue an internship in public and private companies. Students will also acquire linguistic skills by studying English and can take the experience of an internship in firms and public and private bodies. It follows that those learning paths will depend upon the chosen curriculum.

What can you do with it?

The main professional fields that can be accessed are the following:

- Officials of administrations, companies, businesses and public bodies;
- Officers, managers and administrators of banking and / or insurance institutions;
- Condominium administration experts;
- Consultants in the management of small and medium-sized companies;
- Consultants for management, tourism and related activities;
- Labour consultants, company consultants;
- Experts on labour problems and trade union activities;
- Officials or experts in matters relating to the trade union and labour world.

POLITICAL SCIENCES AND INTERNATIONAL RELATIONS

CLASS L-36 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Estonia
France
Hungary
Lithuania
Poland
Romania
Spain

What is the objective of the course? What is it?

The Bachelor's Degree aims to provide the student with the basic preparation for the knowledge of the principles and mechanisms that regulate the State, markets, institutions and contemporary societies through the diachronic and synchronic study of the issues related to the processes of European integration and globalization, and to the role of Italy in the European and international context.

What do you learn?

There is the sociological field, which concerns Sociology and globalisation, and specialist sociologies such as Sociology of places and tourism, Economic and political sociology.
There is the economic field, in which Political Economy, Politics and Politics are studied. and Economic History.
Finally, in line with the internationalist spirit of the course, there is the linguistic area, where the following are studied: English and French language and translation, as well as some courses in other disciplines are delivered in English.
There are also subjects to be chosen by the students and electives in the same disciplinary areas indicated above.

What can you do with it?

The programme includes two curricula.
The first, "Political Science", is aimed at those who intend to undertake a career in political activities.
The second, "International relations", is aimed at those who intend to access the diplomatic and consular career or carry out professional employment in institutions, including non-governmental ones and the third sector, which operate internationally.
Both curricula provide adequate basic preparation to access a wide choice of Master's Degree courses in the field of political science, international relations and international cooperation, in Italian and in English.

COMPLEX ADMINISTRATIONS AND ORGANIZATIONS SCIENCE

CLASS LM-63 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Holland
Poland
Spain

What is the objective of the course? What is it?

The course is divided into two curricula.The curriculum in compliance, business development and crime prevention aims to train experts able to detect and analyze the main risks
Internal and external – in public and private companies, whose occurrence could negatively affect the image and reputation of the organization, and hinder the achievement of the economic and financial objectives set.
The Master's Program in "Sustainability Management & Governance" is designed to equip students with the knowledge, skills, and competencies needed to address complex sustainability challenges in both urban and rural settings.
The primary purpose of the program is to prepare graduates to become effective leaders and change agents who can design, implement, and manage systems that promote sustainable development across diverse socio-economic, cultural, and ecological contexts.

What do you learn?

The curriculum in compliance, business development and crime prevention will provide the participant with the basic socio-economic, legal and business knowledge as well as methodological skills to conduct risk analysis in order to prepare effective and sustainable measures for improving governance systems, management control and prevention of possible crimes that companies are called to face daily (e.g. , PA offences, corporate crimes, computer crime and data processing, violations of the rules on protection of working conditions and environmental matters, organised crime).
The mission of curriculum in sustainability management and governance is to equip graduates not only with discipline-specific competencies through empirical case studies and field projects, but also with skills and aptitudes to enable them to act as change agents capable of leading collaborative and innovative processes for the common good.

What can you do with it?

The curriculum in compliance, business development and crime preventionaims to train compliancesystemsexpertsthrough an integrated perspective, able to position themselves in the labor market mainly as:

- Profile 1: Consultant of integrated compliance systems in public and private organizations;
- Profile 2: Responsible or component of organizational units aimed at implementing and monitoring the effectiveness of integrated compliance systems, in public and private organizations.

The curriculum in sustainability, management and governance aims to train compliance experts and compliance officers in public and private organizations, experts in performance management and governance, with a priority focus on measuring and evaluating the outcomes of policies in the context of sustainability.

INTERNATIONAL RELATIONS

CLASS LM-52 R
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Algeria
China
Vietnam

What is the objective of the course? What is it?

The Master's Degree consists in two curricula: International Trade and International Studies.
The International Trade curriculum offers students from all over the world the unique opportunity of studying the fundamental dynamics of international business from diverse and multidisciplinary perspectives.
The International Studies curriculum offers students the opportunity to study the complexities of the international context and to understand the global political system and its organization, changes, and challenges.

What do you learn?

International trade curriculum:

- Students will develop an in-depth understanding of socio-economics and international business law, as well as in business cultures, obtaining advanced knowledge in planning, operating and implementing import/export operations and foreign trade activities and investments.

International Studies curriculum:

- Students are expected to obtain advanced knowledge in the analysis of international processes and policies, to gather and analyse data concerning global political processes and international crises and to understand complex decision-making.

What can you do with it?

The placement opportunities run widely in the international trade sector: export managers, logistics managers, freight and custom forwarders/ broker, maritime agents, international commercial agents, international marketing experts, financial internationalization program managers; international organizations, diplomacy, international relations analyst

GENERAL INDEX
DEPARTMENT INDEX

INTERNATIONAL RELATIONS, POLITICS & TRADE

CLASS LM-52
CAMPUS Online program
TYPE OF ACCESS Free

What is the objective of the course? What is it?

The Master Degree Course offers students from all over the world the unique opportunity of studying the fundamental dynamics of international business from diverse and multidisciplinary perspectives.
The complexity of doing business globally is addressed by academics from a legal, historical, economic and political perspective.
Suitable knowledge of the English language at level B2 is compulsory and a pre-requisite for enrolment.

What do you learn?

Achieving an in-depth understanding of socio-economics and international business law, as well as of business cultures, is one of the main purposes of the Master Degree Course. Students are expected to obtain advanced knowledge in planning, operating and implementing import/export operations and foreign trade activities and investments, in being able to draft an international contract, manage international transactions, also from a custom and fiscal point of view, and analyse country risk profiles for foreign investments.

What can you do with it?

The placement opportunities run widely in the international trade sector: export managers, logistics managers, freight and custom forwarders/broker, maritime agents, international commercial agents, international marketing experts, financial internationalization program managers.

GENERAL INDEX
DEPARTMENT INDEX

MANAGEMENT OF SPORT AND PHYSICAL ACTIVITIES

CLASS LM-47
CAMPUS Palermo
TYPE OF ACCESS Free
SEAT OF INTERNATIONAL AGREEMENTS
Croatia
Germany
Lithuania
Luxembourg
Norway
Poland
Romania
Spain

What is the objective of the course? What is it?

The aim of this Master Degree Course is to prepare professionals who can easily operate in the sport system using the appropriate legal, economic and sociological instruments.
The course offer students the opportunity to learn about:

- The law governing the sport system;
- The relationship between the state and the sport system and their interaction;
- The economic principles and the dynamics governing the companies which operate and work in the sport system;
- The actual laws in the sport system governing the national federations to operate at the managerial level;
- The actual laws operating in the sport system regarding health, work safety, anti-doping regulation and the safety of the infrastructures.

What do you learn?

During the first year the study plan provides for courses related to the legal and economic aspects of the sport system; during the second year, courses related to safety regulations in sport, privacy and company law related to the sport system.
Students will be able to communicate clearly and directly with experts and non-experts in the field of sport management and will have the opportunity to choosing from optional subjects, also in the psychological field.

What can you do with it?

The Master Degree Course prepares graduates to be a Sport Manager; to complete projects and organize different services and institutions devolved to sport activities; to lead and coordinate specific programs within sport organizations, with a specific focus on the economic management of sport enterprises; to set up and manage national as well as international sport events; to work as consultant and active supporter of sport law institutions; to be able to lead, coordinate and set up a team working on different sport disciplines, and employed from sport agencies, organizations or groups operating in the sport system; to develop administrative, legal and economic sets related to sport activities.

GLOSSARY

GENERAL INDEX

- **ACADEMIC YEAR**
Twelve month period of lessons, exams and graduation sessions beginning on 1 October and ending on 30 September of the subsequent year.
- **BACHELOR DEGREE**
Course of study lasting three years (180 ECTS). Access to these is via a five-year high school diploma course or a recognised foreign equivalent.
- **COURSES OF STUDY**
These comprise BA/BSC and MA/MSc courses, single cycle MA/MSc courses as well as specialisation courses, research doctorates and first and second level Master's.
- **DEGREE CLASS**
Course of the same level, with the same educational objectives and leading to qualifications of identical legal value.
- **DEGREE THESIS**
A document written by students regarding a course theme or subject area with the support of a member of teaching staff chosen by the former.
- **DEPARTMENT**
The structure which fosters the academic work of its teaching staff and provides the relevant academic activities.
- **EDUCATIONAL PROGRAMMES**
Including course contents and educational materials and the types of exams required.
- **E-LEARNING**
University of Palermo's e-learning platform supplies subject content for its students.
- **ENROLMENT AND REGISTRATION**
First year enrolment and registration on years after the first year of a course of study within the education time frames.
- **EXAM SESSIONS**
The period in which exams can be taken.
- **EXEMPTION**
Partial or total exemption from university tuition fees and grants to students with specific income needs or merit.
- **FREE ACCESS**
Students can enrol on free access courses without sitting a selection test. Students will subsequently have to sit a test to check their Additional Educational Obligations (OFAs).

- **INTERNSHIP**

During their course of study, individual students must undertake a period of curricular work experience as set out in their course of study. A post lauream internship is also possible.

- **ISEE (EQUIVALENT ECONOMIC STATUS INDICATOR) AND ISEE PARIFICATO FOR FOREIGN STUDENTS**

To enrol at UNIPA and pay the correct university fees, it is important that students have a valid ISEE (equivalent economic status indicator) certificate valid for university enrolment purposes.

- **JOINT OR DOUBLE OR MULTIPLE QUALIFICATION**

There are international programmes in which multiple, including international, universities are involved in integrated courses of study.

- **LIMITED NUMBER COURSES**

Access to limited number courses involves sitting and passing a selection test. This test also applies to Additional Educational Obligation (OFA) checks.

- **MASTER DEGREE**

Course of study lasting two years (120 ECTS). Access to these is via a Bachelor Degree or a recognised foreign equivalent.

- **MASTER**

These are further academic and higher education courses which require a Bachelor Degree (level 1 Master's) and/or an Master Degree or Master Degree Single Cycle (level 2 Master's).

- **MATRICULATION NUMBER**

Identification number given to a registered student.

- **MYUNIPA**

The university app for registered students and those planning to enrol at University of Palermo.

- **OFA (Additional Educational Obligations)**

OFAs are educational deficiencies in specific areas of learning revealed in entrance tests to limited number courses and assessment exams for free access courses.

- **OFFICE HOURS**

Teaching staff show the days and times they are accessible to students on the various websites.

- **PAGOPA**

Entrance exam tests, tuition fees and taxes can be paid on the PagoPA system (at recognised tobacconists, post offices, banks and online banks, etc.).

- **MASTER DEGREE SINGLE CYCLE**

Course of study lasting five or six years (300 or 360 ECTS). Access to these is via a five-year high school diploma course or a recognised foreign equivalent.

- **SPID**

Public Digital Identity System (SPID). The Public Digital Identity System gives access to online public and accredited private systems with a single digital identity.

- **STUDENT MOBILITY**

The university encourages student mobility and fosters cultural exchange between Italian and foreign universities.

- **STUDY PLANS**

A student's list of educational activities for graduation purposes.

- **STUDENT REPRESENTATIVES**

Students take part in university life, electing their own representatives whose role is to monitor and put forward new initiatives to improve education and services.

- **STUDENT REGISTRAR'S OFFICE**

The office which monitors and manages students' courses of study from enrolment to graduation.

- **SEMESTER**

The academic year is divided up into two semesters within which lessons and exams take place.

- **UNIVERSITY TUITION FEES**

Students planning to enrol on the first year of a course or register for a subsequent year are liable to pay these within the deadline, with the exception of exempted students.

- **UNIVERSITY EDUCATION CREDITS SYSTEM (CFUs)**

This measures the learning, including individual study, required by students to acquire knowledge and skills in the various educational activities: one credit corresponds to an average total of twenty-five study hours.

- **UNIVERSITY PROSPECTUS**

A list of university courses of study held annually.

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