First Cycle Degrees/Bachelor Courses

1

Degree Course

ANALISIYS AND MANAGEMENT OF NATURAL AND ANTHROPOGENIC RISKS (L-34)

Department of Mathematics, Computer Sciences, Physics and Earth Sciences (MIFT)

Coordinator

GIOVANNI RANDAZZO

You will get an important background in the field of Earth Sciences. You will study basic scientific disciplines as well as Mathematic, Statistic, Physic, and Chemistry.

You will draft geological survey and you will follow geological investigation; you will be able to work as Risk Manager both in public offices and in private companies.

You will be ready to operate as Geologist as well as Technician of environmental protection.

2

Degree Course

BIOTECHNOLOGY (L-2)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging (programmed number) Coordinator

ANTONINA SIDOTI

You are going to be prepared to carry out technical and operational tasks and professional support activities to produce goods and services by analysing and using biological systems. There are different application fields of biotechnology, as well as the basic and applied research. You are going to study indepth biological systems through a molecular and cellular point of view. You will be able to work in public and private research institutes, in hospitals, biotechnology industries, etc.

3

Degree Course

CHEMISTRY (L-27)

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences

Coordinator

SCOLASTICA SERRONI

Chemistry is a central science given that it interacts with Physics, it uses mathematical tools and methods, it provides Biology and Medicine with new languages.

You will get knowledge of General and Inorganic Chemistry, Organic Chemistry, Analytical Chemistry and Physical chemistry as well as Maths and Physics.

You will also acquire useful expertise in order to introduce yourself in experiences that request familarity with the scientific method, and involve the ability of carrying out innovative techniques and the use of complex equipments.

Since the second year, the course divides into two different curricula: Chemistry and Industrial Chemistry.

Degree Course

PHARMACEUTICAL CHEMISTRY AND TECHNOLOGY (LM-13) - single cycle programme

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences (programmed number) Coordinator

ENZA MARIA GALATI

The student may acquire the multidisciplinary knowledge and skills necessary to carry out research activities in the design and development of new synthetic or natural drugs. Therefore he will be able to work in the field of production and quality control of medicines.

The student may electively act in the pharmaceutical, cosmetic and diet-food industries and he will be able to practice the profession of "Pharmacist" and "Chemist" after enabling.

5

Degree Course

JOB ADVISOR AND LEGAL SERVICES SCIENCES

Department of Law Coordinator CONCETTA PARRINELLO

The Degree Course in Job Advisor and Legal Services Sciences aims at recognizing and re-elaborating the appeals coming from the actual context partner - economic, it allows the students to get a good juridical preparation and a precise knowledge of the arrangement juridical Italian and European and aim to the formation of professional figures, with competences specific able to operate in specialistic sectors of remarkable interest for the productive strengths of the territory.

The Course articulates in four curriculas: Advisor of the job; Jurist of the public administrations; Jurist of enterprise; Sciences of the private investigations

6

Degree Course

Business Administration (L-18)

Department of Economics

Coordinator

LUISA PULEJO

During the course you will be able to get skills related to the structure and operation of every type of companies, through training in different disciplinary areas such as economic, business, juridical and quantitative.

You will get specific skills for carrying out accounting profession, enriched by economic, juridical and quantitative interdisciplinary training.

Acquired skills will enable you to find professional jobs at companies, banks, insurance companies and auditing firms, whether in public administration or in management consulting firms and professional consulting firms.

Degree Course

ECONOMICS, BANK & FINANCE (L-33)

Department of Economics

Coordinator

FRANCESCO DRAGO

8

Degree Course

PHARMACY (LM-13) - single cycle programme

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences

(programmed number)

Coordinator

GIUSEPPE BISIGNANO

9

Degree Course

PHILOSOPHY (L-5)

Department of Ancient and Modern Civilizations

Coordinator

ROSA FARAONE

You will get the chance to deepen your knowledge on Philosophy. Our degree will also provide you with an integrated training in historical, psychological and pedagogical disciplines.

You will be helped to build the skills you need for working in cultural and creative industries, mass media, teaching and organization management.

You will be allowed to further your education through a master's degree in Philosophy.

10

Degree Course

Physics (L-30)

Department of Mathematics, Computer Sciences, Physics and Earth Sciences

Coordinator

ANGELA MARIA MEZZASALMA

You will understand and know the physical world that surrounds us through the knowledge of classical physics and basic elements of modern physics.

These understanding will be based on the knowledge of experimental facts and on the use of necessary math tools, including numerical techniques.

You will have the opportunity to acquire the skills to work in various technological sectors that require familiarity with scientific methodologies. You will gain a non-sectorial vision on possible applications in the

various fields of Physics. You will be able to intervening on solving various scientific and technological problems, applying the knowledge and the expertise acquired during the bachelor's three-year degree course.

11

Degree course

PHYSIOTHERAPY (L/SNT2)

Department of Clinical and Experimental Medicine (programmed number)

Coordinator

ROBERTO DATTOLA

You will be able to practice therapeutic activity for the functional reeducation of motor, psychomotor and cognitive disabilities using physical and manual therapies, massotherapy ,occupational therapy; You will be able to propose the use of prostheses, orthoses and aids, training the patients for their use and verifying their effectiveness. You will be able to use the various rehabilitation scales to evaluate functional recovery. You will be able to play the private practice or work in public facilities.

12

Degree course Law (LMG/01)

Department of Law Coordinator MARIANNA GIUFFRIDA

You will have the opportunity to train a specialist in legal knowledge by acquiring analyzing and deepening ability in qualified professional sectors, with high levels of competence and responsibility. You can address yourself to the practice of the legal professions and judiciary. You will be able to work in various socioeconomic and political fields, in the institutions, in the public administrations, in private companies, trade unions and sectors of computer science law; compared law, international and community and in international organizations. From the fourth year you will be able to choose among six different qualifications that allow a better professional characterization of your training path. You will also be able to take exams speaking a foreign language(English, in particular) highly appreciated in a context of the labor market increasingly open to the international dimension.

13

Degree Course

Nursing(L/SNT1)

Department of Clinical and Experimental Medicine (programmed number)

Coordinator

Francesco Luzza

You'll be able to perform activities aimed at prevention, cure and protection of individual and public health and to plan objectives for care provision. You'll get a lot of job opportunities at public or private sociosanitary structures, in home-care services or as an independent contractor.

Degree Course

PEDIATRIC NURSING (L/SNT1)

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number)

Coordinator

CARMELO ROMEO

15

Degree Course

Computer Science (CLASSE L-31)

Department of Mathematics, Computer Sciences, Physics and Earth Sciences

Coordinator

LUIGIA PUCCIO

You will be able to solve computer problems, to develop software projects, framing them in the right context and to adapt them to hardware. You will be able to produce programs and their rigorous implementations using different programming languages. You will be using Computer science tools and computational methods, in a conscious and critical way, applying mathematical and physical knowledge acquired. You will be able to carry out professional activities in all the contexts where a specific IT preparation is required.

16

Degree Course

CIVIL ENGINEERING AND CONSTRUCTION SYSTEMS (L- 7 & L-23)

Department of Engineering

Coordinator

GIUSEPPE RICCIARDI

You will acquire theoretical-practical skills, managing all the stages of the building production process: analyses for the built cities, to the design and construction of buildings. You will be able to practice the liberal profession, after passing the State Exam (enabled and enrolled in the Professional Register), work in companies, public facilities, construction sites and research institutes.

17

Degree Course

ELECTRONIC AND COMPUTER ENGINEERING (L-8)

Department of Engineering

Coordinator

Alina Caddemi

The B.S. Degree in Electronic and Computer Engineering is aimed at developing a professional profile with a basic knowledge in the information engineering area as well as specific expertise within either the electronics or the computer application fields.

The Electronic follow-up courses have been tailored to lead the students to the acquisition of scientific knowledge and technological skills oriented to the design, test, maintenance and manufacturing of electronic components, circuits and systems.

The Computer follow-up courses have been tailored to lead the students to the acquisition of scientific

knowledge and technological skills oriented to the design /operation/maintenance of systems, instruments and infrastructures for information data acquisition, processing and transmission.

18

Degree Course

INDUSTRIAL ENGINEERING (L-9)

Department of Engineering

Coordinator

EDOARDO PROVERBIO

The course is structured in three different curricula, Mechanical Engineering, Naval Engineering and Chemical Engineering, which allow you to be ready to design and manage electrical and mechanical plants as well as chemical process systems of medium complexity. Therefore, in addition to free professional activity you will be able to be appointed for responsibility functions in chemical, naval, energy and mechanical production sectors.

19

Degree Course

Humanities (L-10)

Department of Ancient and Modern Civilizations

Coordinator

DANIELA GIONTA

By choosing one of the following paths - Classical, Modern, Archaeological, Historical or Teacher of Italian as a foreign language -, the student will gain a solid foundation in humanistic studies. Students are expected to develop an in-depth understanding of the history of civilizations. They will be able to work in publishing houses, cultural institutions or in the field of heritage conservation.

20

Degree Course

FOREIGN LANGUAGES, CULTURES AND LANGUAGE MEDIATION (L-11 & L-12)

Department of Ancient and Modern Civilizations (programmed number)

Coordinator

MARIA GRAZIA SINDONI

This course provides a broad background in the context of foreign languages, cultures and literatures, in line with the needs of today's labour market that requires both language and cultural integrated skills. The course is organized in two common years for the two different degree classes (L11 and L12) and a third year that is different for L11 ("languages and cultures") and L12 (language mediation). The study of two foreign languages is central for an intercultural and international dimension, mainly Euro-Mediterranean and American.

21

Degree Course

SPEECH THERAPY (L/SNT2)

Dipartimento

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number)

Coordinator

FRANCESCO GALLETTI

Degree Course

BUSINESS MANAGEMENT (L-18)

Department of Economics

Coordinator

FABRIZIO CESARONI

As a manager, you will have the opportunity to perform several tasks and activities related to organizational design, management, strategy formulation and control in different types of organizations, such as private companies, State-owned firms and non-profit organizations. Studies in the field of economics, management and law will provide you with the capability to successfully operate in various company departments (accounting, management, marketing, HR/personnel, market development) as well as to serve as a private business consultant.

23

Degree Course

MATHEMATICS (L-35)

Department of Mathematical and Computer Sciences, Physics and Earth Sciences Coordinator

MARILENA CRUPI

You will be able to operate with autonomy and critical ability in all those areas in which one needs to propose and solve problems through mathematical techniques, also with the help of computer tools. You will be able to apply your acquired knowledge in data processing and modeling and also in the field of Economics, Finance, Industry and Technology.

24

Degree Course

MEDICINE AND SURGERY (LM-41) - single cycle programme

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number)

Coordinator

EUGENIO CUCINOTTA

25

Degree Course

VETERINARY MEDICINE - single cycle programme

Department of Veterinary Sciences (programmed number)

Coordinator

GIUSEPPE PICCIONE

The master's program in veterinary medicine allows students to acquire the knowledge necessary to carry out health prevention for the protection of animal and human health and enables students to gain expertise in the biological, clinical, and nutritional fields. At the end of the program, students will be able to conduct clinical visits and to work in the field of diagnostics, therapy, and control of infectious diseases of domestic animals. In addition, graduates in veterinary medicine can carry out their professional activities in the field of hygiene control and quality of food of animal origin as well as in the field of clinical veterinary medicine for private companies or for the National Health System.

Degree Course

School of Dentistry (LM-46) - single cycle programme

Department of Biomedical and Dental Sciences and Morphofunctional Imaging (programmed number) Coordinator

GIANCARLO CORDASCO

The student will be able to practice clinical activities of prevention, diagnosis and therapy of oral diseases and oral rehabilitation. The students will obtain medical and dental knowledge, and at the end of the educational path he will be able to maintain the oral health by the execution of diagnostic and therapeutics strategies. The student will be able to practice as a private clinicians or work for a public or private hospital.

27

Degree Course

ORTHOPTICS AND OPHTHALMOLOGY (L/SNT2)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging (programmed number) Coordinator

IRENE CONCETTA CASTAGNA

28

Degree Course
OBSTETRICS (L/SNT1)

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number) Coordinator

EMANUELE STURLESE

29

Degree Course

BIOLOGICAL SCIENCE (CLASS L-13)

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences Coordinator

MARIA ASSUNTA LO GULLO

The Three Year Degree Course in Biological Science is a first level course which is divided into two curricula from year two: Biological Curriculum and Marine Ecological Curriculum.

The aim of the course is to shape professionals. They will achieve an adequate training in basic and applied biology, paying particular attention to bio-security, food, biotechnology and ecological sectors in terrestrial and marine environments.

The graduate will manage to find employment, in either public or private sectors: in the productive and technological activities of laboratories, in all fields where the classification, the management and the use living organisms and their components are necessary and in professional studies engaged in environmental impact assessment or interested in the conservation and the restoration of the

environment and biodiversity.

30

Degree Course

SOCIAL WORK SCIENCES (L-39)

Department of Cognitive Sciences, Education and Cultural Studies

Coordinator

BERARDINO PALUMBO

31

Degree Course

Education and Communication Science (L-19 & L-20)

Department of Cognitive Sciences, Education and Cultural Studies

Coordinator

ALESSANDRA MARIA FALZONE

You will be able to operate as a designer of innovative educational systems and as an expert of communicative facilitation processes, directed to subjects with sensory, social, psychological and cognitive disabilities in private and public scholastic and extra-curricular fields or as a freelancer. You will be able to intervene as an educator in sociocultural contexts that require more and more conscious use of media and telematics communicative tools in every formative activity in which obstacles or social constraints are found (educational integration of immigrants, multiculturalism, ecological deficit of various nature, etc.).

32

Degree Course

ENVIRONMENTAL AND NATURE SCIENCES (L-32)

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences

Coordinator

CONCETTA CALABRO'

You will acquire knowledge about the natural systems and the equilibria between biotic components and the Earth system. You will deepen geology disciplines, litogenesis, biology, and you will be able, at the end of studies, to maintain and restoring habitats, ensuring the maintenance of biodiversity and the complexity of ecosystems. You can operate in parks and nature reserves, Botanical gardens and botanical gardens, scientific museums and educational centers.

33

Degree Course

COMMUNICATION SCIENCES: PUBLIC COMMUNICATIONS AND JOURNALISM (L-16 & L-20)

Department of Ancient and Modern Civilizations

Coordinator

MARCO CENTORRINO

Depending on the chosen curriculum, students may acquire skills in the field of journalism or knowledge of

the communicative and organizational processes of public administration. Students will explore disciplines in historical, sociological, economic, and legal areas and at the end of the course they will be able to write journalistic pieces, operate communication plans, analyses of global events and of political and social phenomena. Hands on experience in the newsroom and press office and within public and private organizations will enlarge necessary analytical and practical skills.

34

Degree Course

PSYCHOLOGICAL SCIENCES AND TECHNIQUES(L-24)

Department of Cognitive Science, Education and Cultural Studies (programmed number) Coordinator

PIETRO EMANUELE

This course is a great way to increase your understanding of the human mind. Psychological sciences provide students with a rigorous knowledge of normal psychological processes such as perception, memory, learning, personality, developmental psychology, social relationships as well as training in the delicate range of psychological disorders. The main areas where psychologists are employed include clinics, health, community, education, developmental psychology, and various areas of social policy in the private and public sectors. So, you can work in many private and government agencies that help people work better mentally, including organizations working with children, teenagers, and adults of all ages. In fact, your skills are required in countless areas of life, from health and community to sports organizations.

35

Degree Course

Science and Technology of Navigation (L-28)

Department of Engineering

Coordinator

Vincenzo Crupi

The three years degree course in "Science and technologies of navigation" aims to train professional skills able to answer the needs of the maritime transports and market. The goal is to give students the necessary knowledge, skills and tools in the navigation field for working in maritime, port and transport contexts.

36

Degree Course

GASTRONOMIC SCIENCES (L-26)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging Coordinator

GIACOMO DUGO

During the studies, you will learn how to evaluate, monitor and promote the products food. It will deepen disciplines in mathematical, physical, chemical and biological fields. At the end of your studies, you will be able to work in the control and management of the food chain both autonomously and in teams with other experts, within private business structures also of a tourist character. You can manage dining establishments to create healthier preparations by knowing local quality brand productions.

DEGREE COURSE

SPORT AND HEALTH SCIENCES (L-22)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging COORDINATOR

DANIELE BRUSCHETTA

DURING THE COURSE YOU ACQUIRE KNOWLEDGE OF THE BIOLOGICAL AND BIOMECHANICAL BASES OF MOVEMENT AS WELL AS LEARNING ABOUT THE PSYCHO-PEDAGOGICAL ASPECTS OF TEACHING BASIC SPORT AND MOTOR ACTIVITY, TEAM SPORTS AND PREVENTATIVE AND ADAPTED MOTOR ACTIVITY. WHEN YOU HAVE COMPLETED THE COURSE YOU WILL HAVE THE NECESSARY SKILLS TO ORGANISE AND MANAGE INDIVIDUAL OR GROUP MOTOR ACTIVITY; YOU WILL ALSO BE ABLE TO WORK AS AN INSTRUCTOR OF A SPECIFIC SPORT OR AS A TECHNICIAN IN CHARGE OF MOTOR ACTIVITY PROGRAMS FOR PUBLIC AND PRIVATE SPORTS CENTRES.

38

Degree Course

Political Science and Administration (L-16 & L-36)

Department of Political and Juridical Studies

Coordinator

ANDREA COLLI VIGNARELLI

You will acquire the necessary competences to effectively support the decision-making figures in public and private administrations and you will develop analytical skills with reference to socio-political and organizational systems. At the end of your degree programme, you will have multidisciplinary knowledge in the economic, juridical, political and history of institutions areas that will allow you to deal with challenges and find proper solutions in technical and administrative terms. You will be able to work both in private and public administrations. You will choose between two types of degree programmes, L-16 (Sciences of administration and organization) and L-36 (Political sciences and International relations) at the end of your second year of course. The two types of degree programmes share the same training activities in the first and second years of course.

39

Degree Course

POLITICAL SCIENCES AND INTERNATIONAL RELATIONS (L-36)

Department of Political and Juridical Sciences

Coordinator

CARMELA PANELLA

You could acquire a multidisciplinary knowledge and education in legal-international, historical, sociological, political, economic and linguistic area. The acquired competences allow you to work, at different levels, in the embassies, consulates or local societies or agencies that entertain relations with European Union and in general with international organizations. You could compete for the international careers in any fields where the first degree is requested.

Degree Course

SCIENCE, TECHNOLOGY AND SAFETY OF ANIMAL PRODUCTION (L-38)

Department of Veterinary Sciences

Coordinator

MARIA LEVANTI

The degree course in Science, Technology and Safety of Animal Production, belongs to the Class L-38 (Zootechnical Sciences and Animal Production Technologies) and is of a three-years duration. The organization of the degree course involves the acquisition of knowledge and skills strongly focused on the chain of zootechnical production animals and on technologies aimed at improving the quality and safety of derived foods at all stages of primary and post-primary production until the distribution. In particular, the degree course in Science, Technology and Safety of Animal Production aims to train graduates with specific technical and professional skills in the livestock farming sector, in the management and economic management of agro-zootechnical farms and the quality and safety of derived food products. The main target of the course is to create a professional figure capable of proposing innovations aimed at the production of high quality nutritional, dietary and sensory nutrition foods to ensure the correctness, hygiene and safety of the food chain. The didactic organization of the training course provides, during the three years of the course, cycles of semester-theoretical lectures to be carried out in the classroom, practical activities, to be carried out in part at the laboratories and facilities available at the Department of Veterinary Sciences of the University of Messina and in part at the facilities by agreements with the Department of Veterinary Sciences such as agro-zootechnical companies, feed industries, analytical laboratories of zootechnical feed and products of animal origin, food processing companies, slaughter establishments, etc. Moreover stages, internships, and vocational training periods in companies of the sector are provided. Graduates must also be able to use the English language in written and oral terms, and to demonstrate their mastery of the specific terminology, useful for the international exchange of information.

41

Degree Course

HEARING PROSTHETICS TECHNIQUES(L/SNT3)

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number) Coordinator

ROCCO BRUNO

If you want to work in healthcare area and get into technology, you will have the chance to attend rehabilitation using digital hearing aids by way of sophisticated softwares.

You will study acoustics, anatomy and physiopathology of human auditory system.

With your degree you will be able to understand deafness, finding, fitting and checking hearing aids for every hearing losses.

You will be able to carry out your job both at Public Health Service and Private Companies

42

Degree Course

ENVIRONMENT AND WORKPLACES PREVENTION TECHNIQUES (L/SNT4)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging (programmed number) Coordinator

CONCETTINA FENGA

The degree course provides qualified professional figures in the area of environmental and occupational risk management. You will learn how to recognize hazards for health and safety in workplace, living environment and food. You will also know how to choose the correct strategy to prevent these risks. You will acquire knowledge on legal matters regarding administrative, criminal and labor law. Graduates can be employed in public authorities, private companies and as technical advisors.

43

Degree Course

Biomedical Laboratory Techniques(L/SNT3)

Department of Biomedical and Dental Sciences and Morphofunctional Imaging Coordinator

VINCENZO MACAIONE

If you would like to examine under the microscope and to do analysis and research laboratory activities, studying subjects such as biochemistry, microbiology, parasitology and virology, at the end of the course you will be able to choose and to use laboratory methodologies and instruments to get clinical and experimental data and to analyze, validate and interpret them. You will be able to work for private and public field and for IRCS.

44

Degree Course

CLINICAL NEUROPHYSIOLOGY TECHNIQUES (L/SNT3)

Department of Clinical and Experimental Medicine (programmed number)

Coordinator

PAOLO GIRLANDA

The goals of the training program are to develop competence in various aspects of clinical neurophysiology with a special focus on Central Nervous System diseases and neuromuscular disorders. The students will become able to perform the main electrophysiological techniques, such as electroencephalography, video-EEG monitoring, evoked potentials, electromyography, nerve conduction studies, intraoperative monitoring

45

Degree Course

IMAGING AND RADIOTHERAPY TECHNIQUES

Department of Biomedical and Dental Sciences and Morphofunctional Imaging Coordinator

FABIO MINUTOLI

Through this course of study, you will learn to use the equipment employed in

Diagnostic Imaging and Radiotherapy and you will collaborate with Medical Doctors (Radiologists,

Radiotherapist and Nuclear Physicians) in carrying out diagnostic and therapeutic activities.

You will learn about subjects like Physics and Anatomy and you will study all the methodological aspects of Diagnostic Imaging and Radiotherapy even through a full-scale theoretical-practical apprenticeship. You will be able to work in public and private healthcare facilities.

Degree Course

PEDIATRIC NEURO AND PSYCHOMOTRICITY THERAPY (L/SNT2)

Department of Human and Pediatric Pathology "Gaetano Barresi" (programmed number)

Coordinator

ANTONELLA GAGLIANO

47

Degree Course

TOURISM AND ART, MUSIC AND PERFORMING ARTS (L-3 & L-15)

Department of Cognitive Sciences, Education and Cultural Studies

Coordinator

JOSE' GAMBINO

This degree course offers career opportunities in Tourism and Performing Arts. In particular, students can participate in organizing tourism aimed at the promotion and management of cinema, theater and different means of communication, both old and modern, (radio, television, photography and analogue and digital videography, telecommunication networks). Seminars, workshops and internships are offered to help the student to acquire practical skills in the world of performing arts (acting, directing, etc.) and activities related to tourism.