

## **Medicine and surgery (Class 43/S)**

Graduates of this second degree course must have:

- the scientific basis, theory and practical knowledge required by the European directive 75/363/CEE to enter the medical profession. Graduates must also have the methodology and background needed to participate in continuing education.
- professional, decisional, and operational autonomy, characterised by a holistic approach, so that the biological, physical, and chemical elements of the environment may be taken into account when facing health issues. A total of 360 university credits acquired over six years is needed to fulfil this second degree, with 60 of these credits dedicated to the development of specific professional skills;
- essential theoretical knowledge derived from the basic sciences with a view to practical application;
- the ability to collect and critically analyse data regarding an individual's state of well-being using a clinical and an overall point of view, while taking socio-cultural factors into consideration; the ability to interpret that data using the knowledge of basic sciences, physiopathology, pathologies of organs and apparatuses;
- the ability and experience, combined with the faculty for self-evaluation, to responsibly confront and solve priority health problems in terms of diagnosis, prognosis, treatment and rehabilitation;
- knowledge of medical ethics and history;
- the ability to communicate with patients and their family members in a clear, humane way;
- the ability to collaborate with professionals in group health activities;
- the ability to include economic considerations in medical decisions;
- the ability to recognise community health problems and to intervene in a competent manner.

## **Dentistry and orthodontics (Class 52/S)**

Graduates of this second degree course must acquire essential theoretical knowledge of the basic sciences so that it may be applied professionally.

They must also be able to:

- collect and analyse data regarding an individual's stomatological apparatus using a clinical and an overall point of view, while taking socio-cultural factors into consideration;
- interpret the data using their basic knowledge, physiopathology, and the pathologies related to the stomatological and systemic apparatuses;
- develop the ability to communicate with patients and their family members in a clear, humane way;
- develop the ability to organise teamwork, communicate with and manage human resources.

In addition, it will be essential that graduates have increased:

- their basic knowledge of biology and physiology so that they may understand, both quantitatively and qualitatively, biological and physiological phenomena, and the principles of molecular biological processes;
- their knowledge of those biological and behavioural sciences that modern techniques of oral health maintenance are based on;
- their awareness of the dental ethics concerning the treatment of a patient as both an individual and as a member of his/ her community.

Finally, graduates must have developed:

- those competences in applied computer science and statistics that are necessary in order to carry out continuing professional development;
- adequate knowledge of the principles of diagnostic images and of the clinical use of ionising radiation and its safe application.

**Veterinary Medicine (Class 47/S)**

Graduates of this second degree course must possess:

- the essential theoretical knowledge derived from the basic sciences so that it may be applied professionally;
- the ability to collect and critically analyse data regarding the state of well-being of a single animal or as livestock, and the ability to interpret such data using knowledge from basic sciences, physiopathology, and the pathologies of organs and apparatuses; graduates must also be prepared to carry out medical and /or surgical interventions for the treatment of animals;
- knowledge of epidemiology , diagnosis, prophylaxis, and the treatment and control of infectious and parasitical animal diseases;
- the ability to collect and critically analyse data regarding the state of health, hygiene and quality of food destined to human consumption, and any possible aberration therein; knowledge will also be needed of the production and processing procedures of foods of animal origin;
- knowledge of animal nutrition and alimentation and of the technology used in breeding;
- the ability to collect and critically analyse data regarding the impact of breeding on the environment.

### **Pharmacy and industrial pharmacy (Class 14/S)**

Graduates of this second degree course must have acquired:

- the knowledge of applied scientific research methodologies, especially those regarding issues in this field;
- the fundamental multidisciplinary knowledge needed to understand a drug, its structure and its activity in relation to its interaction with bio-molecules on a cellular and systematic level, as well as an understanding of the activities needed to prepare and carry out controls on medications;
- knowledge of chemistry, biology, pharmacological economics and of the national as well as European laws regulating the various activities of the pharmaceutical sector ; such activities require the specific education and training of a professional who, in the field of medicine and health products, must be able to guarantee the prerequisites for safety, quality and effectiveness, as required by WHO and national/European directives;
- the knowledge needed for the fulfilment of pharmaceutical duties in the national health services context;
- a good command of the scientific methods of research.

### **Pharmacy (Class 24)**

Graduates of this first degree course must:

- acquire adequate basic knowledge of chemistry as it relates to molecular structure, ionic balance and the chemism of functional groups;
- gain adequate knowledge of animal and vegetable biology and of the morphology and physiology of the human body;
- gain knowledge of general biochemistry in order to understand the molecular mechanisms of biological phenomena and metabolic activity; graduates must also understand enzymes, proteins and nucleic acids in their function as receptors of pharmaceutical drugs;
- have acquired knowledge of pharmaceutical chemistry and pharmacology in order to understand pharmaceuticals and their characteristics with regards to pharmacokinetics, pharmacodynamics and toxicity;
- know pharmaceutical forms, as well as the materials used in the preparation of formulations;
- be also aware of the legislative and ethical norms useful to work professionally in the various aspects of the field.

### **Nursing and midwifery (Class SNT/1)**

Graduates of this degree course must have acquired adequate knowledge of the basic disciplines so that they may best understand the most significant elements at the basis of the physiological and pathological processes regarding prevention and treatment, in both their specific professions; they must also be able to interact at their best with professionals from related health sectors.

### **Health professions for rehabilitation (Class SNT/2)**

Graduates of this first degree course must have acquired adequate knowledge of the basic disciplines so that they may best understand the most significant elements of the pathological processes in the treatment and/or rehabilitation of children, adults and the elderly.

### **Technical health professions (Class SNT/3)**

Graduates of this first degree course must have acquired adequate knowledge of the basic disciplines so that they may best understand the most significant elements at the basis of the pathological processes which develop in childhood, adulthood and old age for the purpose of diagnostic intervention.

### **Health professions for preventive care (Class SNT/4)**

Graduates of this first degree course must have acquired adequate knowledge of the basic disciplines so that they may best understand the most significant elements of the pathological processes which develop in childhood, adulthood and old age for the purpose of preventive and/or rehabilitative intervention.

### **Agriculture, food industry and forestry (Class 20)**

Graduates of this first degree course must:

- possess adequate basic knowledge in the fields of mathematics, physics, computer science, chemistry and biology for the purposes of application;
- know research methods and be able to participate in research and experimentation, as well as use their knowledge to solve the various practical problems in the agriculture, food industry and forestry sectors;
- possess knowledge and competence of operational procedures and lab work, in one or more of the following sectors: agriculture, food industry and forestry;

- be able to give technical assistance in the agriculture, food industry and forestry sectors;
- be able to evaluate what impact agriculture, the food industry and forestry projects have on the environment;
- understand the corporate environment and the relative economic, managerial and organisational aspects of the agriculture, food industry and forestry sectors;
- possess the basic education and ability needed to constantly update their knowledge and professional competence.

### **Environmental sciences (Class 27)**

Graduates of this first degree course must:

understand the systemic nature of the environment and possess good working knowledge of the scientific methods used to analyse the components and factors of the processes, systems and problems that regard the environment in its natural state or altered by man;

- possess adequate competence in and instruments for effective communication and management of information.

### **Architecture and construction engineering**

Degree courses in this field are divided into two types:

- single-cycle second degree courses (5 years), and
- two-cycle degree courses (a first degree course lasting three-years, plus a second degree course of a two-year duration).

Students who choose the three-year option can decide to enter the labour market or opt to continue their studies by registering for one of the second degree courses (2 years). In this way, after having passed the national exam licensing to the profession, students may join the same professional register of architects as those who have completed the single-cycle five- year degree course.

### **A) Architecture and construction engineering: Single-cycle second degree course (5 years), or two-cycle degree courses (first degree course of 3 years, plus second degree course of 2 years) (Class 4/S)**

Graduates of this degree course must:

- possess thorough knowledge of the history of architecture and building, and related tools and stylistic forms;
- acquire knowledge of the technical, scientific, methodological and operational aspects of mathematics and of the other sciences fundamental to the subject matter,

- be able to use their knowledge to thoroughly interpret and describe complex problems in the field, as well as those problems requiring a more interdisciplinary approach;
- possess thorough knowledge of the technical, scientific, methodological and operational aspects of the disciplines pertaining to the course chosen, and also be able to use this knowledge to identify and solve complex problems regarding architecture and building, as well as problems regarding a more interdisciplinary approach;
- have an understanding of business culture and professional ethics.

**B) Architecture and construction engineering (only 3-year degree courses)  
(Class 4)**

Graduates from the three-year first degree course must:

- possess adequate knowledge of the history of architecture and building, and related tools and stylistic forms;
- have acquired knowledge of the methodological and operational aspects of mathematics and of the other sciences fundamental to the subject matter, and be able to use this knowledge to interpret and describe problems related to architecture and building;
- possess adequate knowledge of the methodological and operational aspects regarding the disciplines pertaining to the course chosen, and also be able to use this knowledge to identify and solve architecture and building problems of by using up-to-date methods, techniques and tools;
- have an adequate understanding of cost calculations and of the whole process for the production of building materials.

**Technologies for conservation and restoration of cultural assets (Class 41)**

Graduates of this degree course must:

- understand the structural and material characteristics of works of art in order to carry out conservation projects;
- possess the competences needed to carry out projects, using the proper technology, in one or more of the following areas: arresting the decay and/or structural instability of historical buildings, of historical artistic, theatrical, musical assets, , archives, and cinema; removal of the causes of decay; conservation of environmental and anthropological heritage;

- possess adequate technical and scientific knowledge of architectural measuring processes, the structural characteristics of cultural works, the materials used in the works, and the types of technology used to restore and conserve them;
  - be able to work in public institutions responsible for the management and maintenance of the national cultural heritage, as well as in those private professional organisations which operate in the restoration and conservation sectors;
  - be able to communicate and manage information effectively.
- be able to communicate and manage information effectively.

### **Biology (Class 12)**

Graduates of this degree course must:

- have an adequate basic knowledge of the different branches of biology;
- acquire general research skills as well as develop specific research methods in relations to their main subject fields;
- have learnt how to apply their competences so that they may operate effectively in the biological sector;
- be able to communicate and manage information effectively.

### **Biotechnologies (Class 1)**

Graduates of this degree course must:

- have adequate knowledge of molecular and cellular biological systems;
- have that scientific and knowledge and practical experience of multidisciplinary techniques which enables to apply biotechnology to the production of goods and services by the use of biological systems;
- acquire appropriate biotechnological methods and be able to apply them in real situations, respecting normative laws and professional ethics;
- be able to communicate and manage information effectively;
- be able to write technical and scientific reports.

### **Chemistry (Class 21)**

Graduates of this degree course must:



- acquire adequate knowledge in the different basic , theoretical and experimental sectors of chemistry;
- be able to use the proper research methods of the different subject fields of chemistry so as to solve operational problems;
- communicate and manage information effectively.

### **Industrial design (Class 42)**

- Graduates of this degree course must:be able to ideate and carry out design projects, from start to finish, for single and mass-produced items, using appropriate techniques and design strategies;
- have the necessary visual, multimedia and interactive communications knowledge needed to present a finished design project effectively.

### **Physics (Class 25)**

Graduates of this degree course must:

- have adequate knowledge of classic and modern physics;
- acquire the adequate research methods needed to represent and verify models for physics theories;
- have operational knowledge of laboratories;
- know how to use appropriate mathematical and computer instruments;
- be able to apply their professional competences to specific contexts; e.g. to provide scientific support in various fields, such as health, medicine, environment, energy conservation, cultural heritage and the various activities aimed at spreading scientific knowledge;
- be able to communicate and manage information effectively.

### **Computer Science (Class 26)**

Graduates of this degree course must:

- have knowledge of computing and information technologies for the planning and implementation of computer systems;
- be able to analyse problems and develop information systems to solve them;

- acquire research methods and be able to apply them in real situations using the necessary mathematical tools.

### **Civil and environmental engineering (Class 8)**

Graduates of this degree course must:

- have knowledge of mathematical and scientific methods, and be able to apply it to analyse and describe engineering problems;
- have a sound knowledge of engineering methods and their applications in either civil, environmental or territorial engineering, and be able to identify and solve problems using up-to-date methods and tools;
- be able to use tools and techniques to design components, systems and processes;
- be able to conduct experiments and analyse their results;
- be able to understand the impact of engineering solutions on society and the environment;
- understand professional and ethical responsibilities;
- know business culture with regards to economics, management and organisation;
- have a knowledge of the current issues in the field;
- have good interpersonal and decision-making skills;
- understand the importance of keeping abreast of developments in the field.

### **Industrial Engineering (Class 10)**

Graduates of this degree course must:

- have adequate knowledge of mathematical and scientific methods and their applications so that they are able to analyse and describe engineering problems;
- have a sound knowledge of engineering methods and their applications in industrial engineering, and be able to identify and solve problems in the field using the most up-to-date methods and tools;
- be able to use tools and techniques to design components, systems and processes;
- be able to conduct experiments and analyse their results;

- be able to understand the impact of engineering solutions on society and the environment;
- understand professional and ethical responsibilities;
- know business culture with regards to economics, management and organisation;
- have a knowledge of current issues in the field;
- have good interpersonal and decision-making skills;
- understand the importance of keeping abreast of developments in the field.

### **Information technology (Class 9)**

Graduates of this degree course must:

- have adequate knowledge of mathematical and scientific methods and their applications so as to be able to analyse and describe engineering problems;
- have sound knowledge of engineering methods and their applications in information technology, and be able to identify and solve problems in the field using the most up-to-date methods and tools;
- be able to use tools and techniques to design components, systems and processes;
- be able to conduct experiments and analyse their results;
- be able to understand the impact of engineering solutions on society and the environment;
- understand professional and ethical responsibilities;
- know business culture with regards to economics, management and organisation;
- have a knowledge of current issues in the field;
- have good interpersonal and decision-making skills;
- understand the importance of keeping abreast of developments in the field.

### **Mathematics (Class 32)**

Graduates of this degree course must:

- have adequate basic knowledge of mathematics;

- have computational and information technology skills;
- acquire mathematical methods and be able to understand and use mathematical models and descriptions in concrete situations for science and economics;
- possess adequate competences in and be able to use instruments for effective communication and management of information.

### **Physical education and Sport (Class 33)**

Graduates of this degree course must:

- be competent in understanding, planning and conducting educational, adaptive, recreational and sport activities aimed at developing, maintaining and regaining motor skills as well as physical and psychological well-being;
- be able to give specific attention to significant gender differences when planning physical education activities;
- possess adequate competences in and be able to use instruments for effective communication and management of information.

### **Aviation and maritime navigation (Class 22)**

Graduates of this degree course must:

- have adequate knowledge of the fundamentals of mathematics, physics, and computer science, and acquire all related research methods;
- be able to work professionally in navigation, oceanography, meteorology, surveying and telecommunications;
- possess adequate competences in and be able to use instruments for effective communication and management of information.

### **Statistics (Class 37)**

Graduates of this degree course must:

- possess adequate knowledge of statistics;
- have an adequate knowledge of the basic social, economic and statistical sciences and/or in any other related areas decided upon by the university;
- be competent in research and statistics methodology;

- have practical and operational competence regarding the gathering and analysis of pertinent data;
- be trained to think in a logical, conceptual and methodological manner in order to plan and carry out statistical research for observation and experimentation as well as in order to establish computer databases.

### **Earth sciences (Class 16)**

Graduates of this degree course must have acquired:

- the fundamentals of chemistry, physics, mathematics and computer science;
- basic theoretical, experimental and practical knowledge of the various areas concerning the earth;
- some degree of familiarity with research methods;
- the ability to use fundamental tools to analyse geological systems and processes;
- sufficient operational competence in their field as well as laboratory competence.

### **Town, regional and environmental planning (Class 7)**

Graduates of this degree course must:

- have the basic knowledge needed to analyse urban and regional change processes;
- know the theories, methods and techniques necessary to analyse the evolution of the physical environment;
- have basic knowledge of urban, regional and environmental planning and design;
- be able to analyse the organisation and management of complex projects and public works;
- have the basic knowledge to evaluate the effects of planning on the community in relation to economic, environmental, societal, landscape and location factors.

### **Animal husbandry (Class 40)**

Graduates of this degree course must:

- have a sufficient basic knowledge of biology, chemistry, and mathematics;

- acquire research methods needed to solve manifold problems that may arise in their profession;
- acquire laboratory skills needed to work in the sector;
- have knowledge of prophylaxis, microbiology and general pathology regarding animals, animal epidemiology and infectious and parasitical animal diseases; also
- know about national and European health laws, animal husbandry hygiene issues, as well as the safety and quality of food destined to human consumption and the environmental impact of livestock breeding and processing;
- be able to work on the technical, hygienic and economic aspects of animal production systems concerning industries such as livestock breeding, hunting and fish-farming, as well as companies supplying technical means and services in the production and marketing of animals.

### **Communication studies (Class 14)**

Graduates of this degree course must:

- possess the basic skills specific to the fields of communication and be able to work in the various industries relative to culture (publishing, cinema, theatre, radio, television and the new media);
- possess the competences in the new communications and information technologies and the ability to carry out communication and public relations activities in the public, private and cultural heritage sectors;
- understand the operational policies typical of communications and information in relation to changes in a variety of national and international sectors, also with reference to institutional contexts;
- possess the skills needed to work as a journalist and in newsrooms, with competence in the audio-visual area as well;
- the ability to speak and write two foreign languages (one of which an EU language), as well as having proficiency in Italian;
- possess the basic competences needed to produce cultural texts (screenplays, short subjects, storyboards, video and audio-visual texts).

### **Social sciences for co-operation, development and peace (Class 35)**

Graduates of this degree course must:

- possess adequate basic knowledge in such areas as demographics, ethnicity and anthropology, development of societal changes,

- possess also knowledge of policies and good practices aimed at granting equal opportunities;
- be familiar with phenomena related to economic globalisation, intercultural and gender dynamics; also be familiar with the anthropological, social, cultural and institutional components of development on a local and world level;
- be able to speak and write in two EU languages (as well as in Italian) about their field so that they may communicate efficaciously and exchange general information;
- 
- be able to use instruments for the communication and management of information.

### **Defence and security (Class DS/1)**

Graduates of this degree course must acquire the fundamental theoretical knowledge pertaining to:

- basic sciences in the field (mathematics, physics, chemistry and computer) in order to apply them professionally;
- such disciplines as to law, politics, public institutions and economics, in order to apply their knowledge to the organisation and management of military units or specific areas of public administration;
- the disciplines relating to history, geography and territory, so as to better understand the areas in which organisational command, co-ordination and management occur;
- such disciplines as foreign languages, anthropology, psychology, and sociology, so as to effectively communicate in an international setting and to understand the diverse socio-cultural elements of different operational contexts.

Graduates of this degree course must also have acquired:

- critical knowledge of military ethics and of the deontological implications of the military profession in the various operational fields concerning internal and external security, also to humanitarian ends and for the protection of civilians in case of natural disasters;
- the integrated competences (gained through coordinated training and internships) needed to successfully apply theory to the organisation, management and command of military units or specific public administration sectors with regards to internal and external security; the same knowledge must also be applied to the correct and efficient use of defence and/or security systems;

- adequate knowledge enabling them to provide for their further professional training, and to co-operate in the implementation of activities regarding the selection of personnel for military units and specific public administration sectors;
- technical knowledge necessary for bargaining, and for the management of information/communications problems; knowledge of information systems, used either singularly, or in a network, to access and manage data banks;
- technical competences for the identification and evaluation of risks connected to the fulfilment of professional duties.

### **Economics and management (Class 17)**

Graduates of this degree course must:

- possess the knowledge to critically analyse and interpret corporate structure and dynamics by acquiring skills in the areas of economics, business, law and quantitative studies;
- possess adequate knowledge of business disciplines with regards both to functions (management, organisation, control) and to sectors (manufacturing, sales, services, public administration).

### **Psychology (Class 34)**

Graduates of this degree course must:

- acquire the basic knowledge pertaining to the fundamental subject fields of psychology;
- be competent in the methods and procedures of scientific research;
- acquire practical competences enabling them to apply their theoretical knowledge to operational contexts;
- acquire the experience and skills needed to work professionally in the services devised for individuals, groups, organisations, and communities;
- be able to use instruments for effective communication and management of information.

### **Economics (Class 28)**

Graduates of this degree course must:



- possess adequate basic knowledge of economics and skills regarding the use of mathematical-statistical instruments;
- possess knowledge of the principles and foundations of the national legislation as well as of related institutions;
- know how to face problems regarding economic systems and the companies which constitute them;
- have a sound knowledge of research methods in economics, and of the techniques appropriate of the different operational sectors, keeping abreast of innovations in analytical research systems, with special reference to gender analysis;
- possess practical skills for the collection, measurement, and treatment of data pertinent to economics in the various aspects of its application;
- possess adequate knowledge of organisational culture and work contexts;
- be able to use instruments for effective communication and management of information.

### **Public Administration (Class 19)**

Graduates of this degree course must:

- possess the cultural, scientific and professional knowledge -with the related methodological skills- that is needed to acquire a sound education in law, economics, politics, government, organisational management and safety with reference to national/international contexts, public/private administration, private complex organisations; they must also have learnt about equal opportunity policies;
- possess multidisciplinary knowledge needed to become professionals able to effectively interpret the organisational changes and innovation occurring in public and private administration;
- be able to serve public institutions, private enterprises, service industries, and the tertiary sector, in planning and implementing initiatives aimed at promoting a community's economic, social and civil development;
- be able to implement specific public policies and manage human resources and industrial relations.

### **Law (Class 31)**

Graduates of this degree course must:

- possess a sound knowledge of legal principles, especially with regards to the historic and philosophical, private, public, trial, penal, and international sectors, as well as in the institutional, economic, comparative and community ones;
- possess adequate skills for the effective communication and management of information, including the use of computing and information technologies.

### **Political sciences and international relations (Class 15)**

Graduates of this degree course must:

- possess adequate knowledge, both cultural, methodological and professional, pertinent to the field;
- acquire an education characterised by an interdisciplinary approach ( e.g. law, economics, politics, sociology, history, etc.) suited to analysing and managing the public and private issues of modern society, including issues concerning equal opportunities;
- possess the interdisciplinary knowledge needed to plan and carry out complex operational strategies;
- possess an adequate command of empirical research methods in the fields of politics, sociology, statistics, economic sciences, quantitative studies, and comparative methods, especially with regards to public law subjects which will allow for an innovative and operational entry into both public and private professional contexts.

### **Social work (Class 6)**

Graduates of this degree course must:

- possess adequate knowledge of the basic disciplines of social work;
- have command of the methods and techniques used in the field;
- possess practical competences for the handling of social hardships when dealing with individuals, groups and communities;
- be able to work in groups;
- be able to transfer the services carried out for a specific situation into the general, economic and social context of the community;
- possess adequate skills and tools for the effective communication and management of general information as well as of the information specifically pertinent to citizen rights;

- possess the ability and skills to interact with various cultures, including immigrant populations, so that multiethnic and intercultural relations may take place.

### **Sociology (Class 36)**

Graduates of this degree course must:

- possess adequate knowledge of the basic disciplines in sociology and social sciences and be able to carry out analysis in these fields;
- have a good command of the methods for sociological research and of the technical aspects of the various sectors of application, including practical skills related to the measuring, collecting and treating of data pertinent to social analysis;
- be able to work in groups;
- be able to apply acquired knowledge to the general cultural, economic, and social contexts within local, national, and international contexts;
- possess adequate skills and tools for the effective communication and management of information.

### **Tourism (Class 39)**

Graduates of this degree course must:

- possess adequate basic knowledge of economics, geography, anthropology, and sociology, as well as the cultural and legal matters pertinent to the various sectors of the tourism market;
- have a good command of the methods for sociological research and of the technical aspects of the various sectors of application, including practical skills related to measuring, surveying and treating data pertinent to social analysis;
- have adequate knowledge of the work and business culture so as to allow for working in real conditions, taking on various responsibilities in business or administration;
- acquire the methods and techniques needed for the effective promotion and fruition of cultural assets and activities;
- be able to apply acquired knowledge to the general cultural, economic and social contexts within local, national and international contexts;

- be able to communicate, orally and in written form, general information as well as information specific to tourism in at least two EU languages (as well as in Italian);
- possess adequate skills and tools for the effective communication and management of information.

### **Legal services (Class 2)**

Graduates of this degree course must:

- have a sound basis of general culture and adequate knowledge of general law, as well as of the specific sectors of the national legislation where normative laws are to be applied;
- possess the ability to speak and write about the field and communicate general information in at least one EU language (other than Italian); in addition, they must possess the adequate skills and tools (including knowledge computing and information technologies) needed for the effective communication and management of information.

### **Humanities (Class 5)**

Graduates of this degree course must:

- possess a sound foundations, both historical and methodological, in such disciplines as Italian language, linguistics, philology, and literature;
- possess the fundamental knowledge of literature, language, history, geography, and art in the ancient, medieval, and modern eras, having acquired this knowledge directly from original texts and documents;
- be able to use the main tools for information and communication technologies.

### **Philosophy (Class 29)**

Graduates of this degree course must:

- have acquired a sound knowledge of the history of the philosophical and scientific thought from ancient to modern times, as well as a wide breadth of information concerning current debates in various areas of philosophical research (theory, logic, epistemology, linguistics, aesthetics, ethics, religion, politics);
- have command of the terminology and methods regarding the analysis of problems, be able to debate points and approach texts, at times in the original language, and understand how to use bibliographical instruments;

- have acquired competence in the issues of applied ethics (in the fields of biology, business, work, politics, economics and communication);
- be able to use the tools needed for the effective communication and management of information.

### **Modern languages and civilisations (Class 11)**

Graduates of this degree course must:

- possess a sound basis in linguistics theory and Italian language and literature;
- possess complete mastery of at least two foreign languages (one of which must be an EU language other than Italian) and the civilisations which use them, as well as satisfactory written and spoken use of a third language;
- be able to use the main tools for information and communication technologies.

### **Applied languages (Class 3)**

Graduates of this degree course must:

- possess a solid cultural and linguistic basis in at least two languages other than Italian;
- possess strong oral and written linguistic ability and techniques;
- possess adequate general education in economics, law, history, politics, sociology, anthropology and literature;
- be able to use the tools needed for the effective communication and management of information;
- possess adequate knowledge of issues concerning specific work contexts (public institutions, manufacturing, tourism, cultural and environmental bodies) in relation to applied languages, as well as possible evolutions in the field including multiethnic and intercultural issues;
- be able to organise their work autonomously and be adaptive to various work environments.

### **Cultural heritage studies (Class 13)**

Graduates of this degree course must:

- possess an adequate foundation of knowledge and competences in the various areas of cultural heritage (archaeological patrimony; archives and books; theatre, music, cinematography; art history; demographics, ethnicity, anthropology; landscape and environment)
- possess adequate competence regarding legislation on and administration of the cultural heritage.

### **Education sciences and teacher education (Class 18)**

Graduates of this degree course must:

- have acquired the theoretical knowledge and operational competences pertinent to the education field; such knowledge and competences, derived from the different areas of behavioural, natural, and human sciences, must be conveniently integrated in relation to global education;
- possess a sound knowledge of the theory, epistemology and methodology of the various education;
- be able to use instruments for the effective communication and management of information

### **Visual arts, music, performing arts and fashion studies (Class 23)**

Graduates of this degree course must:

- possess an adequate basic education in cinema, music, theatre and costume design;
- possess the critical tools and methodology needed to acquire competence in the techniques, languages and displays used for visual expression;
- be able to use tools for computing and information technologies confidently and appropriately in the field;
- be able to use instruments for the effective communication and management of information;
- Be able to act as team-workers, independent and adaptive to various work contexts.

### **Geography (Class 30)**

Graduates of this degree course must:

- possess a solid basic knowledge in geography, economics, sociology, culture and law;
- possess the theoretical, technical and methodological tools necessary to interpret and represent the geographical world, as well as the relationship between human activity and the physical environment;
- be able to use the main tools for computing and information technologies;
- possess the ability to speak and write about the field, to communicate general information in at least one EU language other than Italian;
- have developed adequate skills for the effective communication and management of information.

### **History (Class 38)**

Graduates of this degree course must:

- have basic knowledge of the main scientific methodologies and an understanding of the principals of various disciplines in order to carry out historical research ;
- understand human history and be familiar with historiographical language and styles; this competence is attained through the use of written and oral sources, the study of the historiographical tradition, diachronic profiles, the necessary information is often gained directly from original sources.