

LEARNING OUTCOMES -LAUREA TRIENNALE

L-1 Cultural heritage

Graduates will:

- 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 competency regarding legislation and administration of cultural heritage;
- be able to read and write effectively in at least one other European Union language in addition to Italian and possess the relevant specialised vocabulary;
- be able to communicate and manage information effectively.

L-2 Biotechnologies

Graduates will:

- have adequate knowledge of molecular and cellular biological systems to allow them to work in the field;
- understand and use different multidisciplinary techniques, in order to apply biotechnology to the fields of services and products by way of analysis and the use of biological systems;
- acquire appropriate biotechnological methods and be able to apply them in real situations in accordance with legislative requirements and professional ethics;
- be able to write and speak in English or one other European language in addition to Italian and possess the relevant specialised vocabulary;
- be able to communicate and manage information effectively;
- be able to write technical and scientific reports;
- be able to work as an individual and as a group member or leader.

L-3 Visual arts, music, performing arts and fashion studies

Graduates will:

- possess an adequate basic education in cinema, music, theatre and costume design;
- possess the critical tools and methodology needed to acquire competency in the techniques, languages and displays used for visual expression;
- be able to use the computer and telecommunications tools confidently and appropriately;
- be able to use instruments for communication and management of information;
- be able to work independently or in teams and be able to adapt to various work environments;
- be able to write and speak in English or one other European language other than Italian, and possess the relevant specialised vocabulary;
- possess the tools needed to be methodical and critical in the acquisition of the competences, language and techniques required for the specific work situations.

L-4 Industrial Design

Graduates will:

- possess the basis scientific, technological and humanistic knowledge needed for the variety of project types encountered during studies;
- possess specific technical, engineering, critical, historical and design knowledge in the chosen specialization;
- possess the knowledge necessary to understand a process from the ideation of a product to its mass production, in consideration of the nature, aesthetics, marketability, functionality, safety as well as artistic, environmental and ergonomic qualities of the product;

- possess the theoretical and practical knowledge that characterizes the visual, multimedia and interactive fields and be able to apply this to the design of various types of products;
- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.

L-5 Philosophy

Graduates will:

- acquire sound knowledge in the history of philosophical and scientific thought from ancient to modern times and broad 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;
- acquire competency 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 communication and management of information.
- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.

L – 6 Geography

Graduates will:

- possess sound knowledge in geography, gained through acquisition of theoretical, methodological and technical instruments for analysis, evaluation and account of a given territory;
- be able to use the appropriate technology to treat, elaborate and represent the qualitative and quantitative information collected in a given territory;

- know how to analyse, record and archive the various types of maps;
- be able to use the main computer and telecommunications tools for the communication and management of information;
- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.

L7 -Civil and environmental engineering

Graduates will:

- have sound knowledge of mathematical methods, operations and other sciences and be able to use the knowledge to interpret and describe engineering problems;
- have a sound knowledge of engineering methods and their applications in either civil, environmental or regional 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 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.
- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.

L8 – Information Technology Engineering

Graduates will:

- have sound knowledge of mathematical methods and operations and other sciences and be able to use the knowledge to interpret and describe engineering problems;
- have a sound knowledge of engineering methods and their applications in information engineering, and be able to identify and solve problems therein, 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;
- be aware 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;
- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.

L-9 Industrial Engineering

Graduates will:

- have knowledge of mathematical and scientific methods and be able to use them to analyse and describe engineering problems;
- have 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;
- be aware of current issues in the field;
- have good interpersonal and decision-making skills;
- understand the importance of keeping abreast of developments in the field.

L-10 Humanities

Graduates will:

- possess a solid foundation in methodology, history, linguistics, philology, and literature;
- possess the fundamental knowledge of literature, language, history, geography and art in the ancient, medieval, and modern eras, acquired also from original texts and documents;
- have complete written and oral mastery of at least one European Union language other than Italian;
- be able to use the main computer and telecommunications tools.

L -11 Modern languages and civilisations

- possess a sound basis in linguistics theory and in 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 relevant civilisations, as well as satisfactory written and spoken use of a third language;
- be able to use the main computer and telecommunications tools.

L12 - Applied languages

Graduates will:

- possess a solid cultural and linguistic basis in at least two languages other than Italian;
- possess strong oral and written linguistic and technical competences supported by proper metalinguistic framing;
- possess specific knowledge related to the structure of natural languages and adequate basic training in analytical methods;
- possess adequate general education in economics, law, history, politics, sociology, anthropology and literature;
- be able to use the tools needed for the communication and management of information;
- possess adequate knowledge of issues concerning specific working contexts (public institutions, industry, tourism, environment) in relation to applied languages, as well as issues concerning possible evolution (i.e. ethnic and cultural exchanges);

L – 13 Biology

Graduates will:

- have an adequate basic knowledge of the different branches of biology;
- acquire multidisciplinary methods and technological knowledge for research in biology;
- possess strong operational and applied abilities in biology, with particular reference to technical procedures and wide-ranging biological and instrumental analysis aimed at research, monitoring and control;
- know how to put the competences into practice;
- be able to communicate and manage information effectively;

- be able to write and speak in English or in one other European language other than Italian and possess the relevant specialised vocabulary.
- possess adequate competences and instruments for the communication and management of information;
- be able to work independently and in teams;
- remain abreast of advances in the field.

L-14 Legal services

Graduates will:

- have a sound basis of knowledge in law and general culture, as well as in the specific areas of the field where normative laws are to be applied, in particular in the historical, philosophical, private, public, procedural, penal and international areas, as well as in the institutional, economic, comparative and community sectors;
- possess the ability to speak and write about their specific field in one EU language (other than Italian);
- possess the adequate skills and tools (including knowledge of the computer and telecommunications) needed for the communication and management of information.

L-15 Tourism

Graduates will:

- possess adequate basic knowledge of economics, geography, anthropology, and sociology, as well as the cultural and judicial subject matters pertinent to the various sectors of the tourism market;
- have a good command of the methods for sociological and economic research and of the technical aspects for 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 to be able to take on various responsibilities in business or administration;

- acquire the methods and techniques needed for the effective promotion and use of cultural assets and activities;
- be able to apply acquired knowledge to the general cultural, economic and social contexts in local, national and international areas;
- be able to communicate in spoken and written form in two EU languages (in addition to Italian) for general and professional purposes;
- possess adequate skills and tools for the communication and management of information.

L-16 Administration

Graduates will:

- possess the cultural, scientific and professional knowledge needed to learn about law, economics, politics, government, organisational management and safety in the fields of national/international and public/private administration, as well equal opportunity policies;
- possess multidisciplinary knowledge to train persons 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 cooperatives, 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.

L-17 Architecture

Graduates will:

- possess thorough knowledge of the technical, scientific, methodological and operational aspects of the disciplines pertaining to the course chosen and 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;

- possess adequate knowledge of the history of architecture and building, and related tools and stylistic forms as well as knowledge of the methodological-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 regarding architecture and building;
- possess adequate knowledge of the methodological and operational aspects regarding the disciplines pertaining to the course chosen and be able to use this knowledge to identify and solve problems regarding architecture and building, using up-to-date methods, techniques and tools;
- possess adequate knowledge regarding technical and economic practicalities, cost and production process calculations, and the realisation of artisan work for architectural work and building.

- acquire the theoretical knowledge and practical competences used in pedagogy and teaching methods, integrating them into the various competences of philosophy, sociology and psychology, and linked to general training related to the theoretical, epistemological and methodological knowledge of issues closely related to education;
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L-18 Business administration

Graduates will:

- possess the knowledge to critically analyse and interpret company structure and dynamics by acquiring skills in the areas of economics, business, law and quantification;
- possess adequate knowledge of company aspects with regards to functioning (management, organisation, controls) and categories (manufacturing, sales, services, public administration).

L-19 Education and training

Graduates will:

- possess the practical and theoretical ability to analyse societal, cultural and territorial issues and to elaborate, realize, manage and evaluate educational projects to meet the

growing educational demand expressed by society for services to individuals and the community; possess pedagogic, planning, educational, communicational, relational, organizational and institutional tools and methods in order to plan, realize, manage and evaluate training processes and interventions, also using multimedia technology and distance learning formats;

possess a sound foundation in childhood development sciences aimed at acquiring specific competences, cross-subject knowledge, work and research and to manage teaching/learning activities and interventions tied to educational services;

have written and spoken fluency in one EU language other than Italian;

possess adequate skills and tools for the communication and management of information.

L-20 Communication

Graduates will:

- possess the basic skills specific to communications and be able to work in media, public administration, and cultural institutions as well as in companies and in consumer and service sectors;
- possess the competences relative to the new communications and information technologies and the ability to carry out communication and public relations activities in the public, private and not for profit sectors;
- possess the skills needed to work as an editor/copywriter in the various media sectors and in public and private agencies;
- have the ability to speak and write two foreign languages (one of which an EU language), as well as be proficient in Italian;
- possess the basic competencies needed to write texts of an informative nature.

L-21 Town, regional and environmental planning

Graduates of this field must:

- have the basic theoretical, methodological and technical knowledge needed to analyze the transformation of urban and regional change processes;
- develop the capacity to interpret locations, towns and environments and their process of change with an eye to economic, social and physical aspects;
- have basic knowledge of urban, regional, landscape and environmental planning and design and related local government policies;
- be able to analyze the formation process of programmes and complex projects;
- possess the basic knowledge to evaluate the consequences resulting from government development of areas regarding economic, environmental, societal, landscape and location factors;
- be able to manage information regarding the territory and environment using new technology;
- be able to effectively communicate, in written and oral form, in at least one EU language other than Italian.

L22 -Sports and Physical Education

Graduates will:

- know the basics of the biology of movement and the adaptation of the physical exercise based on the type, intensity and duration of the exercise, the age and level of the participant and the environmental conditions where the activity is taking place;
- know motor techniques for their preventive, compensatory and adaptive qualities, as well as sport techniques, in order to be able to teach them correctly, paying particular attention to a learner's gender, age and physical condition;
- know the techniques and methods to measure and evaluate physical exercise and evaluate their effects;
- know the biomechanics of movement in order to carry out simple programmes for the correction of gait and posture;
- be able to use measurement techniques and tools to measure and evaluate physical exercise and know their effects and foresee their impact on the client's physical and psychological well being;

- possess the cultural and methodological knowledge and instruments needed to conduct sports and motor activities on individual and group levels;
- possess basic psychological and sociological knowledge to be able to interact effectively with clients according to their age, gender and social condition on individual and group levels;
- know the pedagogical, psychological and educational basics in order to have adequate ethical and reasoning, in addition to technical knowledge;
- possess basic legal and economic knowledge related to the management of the various forms of sports and motor activities within the areas of specific professional competences;
- be able to use at least one other EU language, other than Italian, for international communication.

L-23 Building Sciences

Graduates will:

- have adequate knowledge of the analytical and cognitive aspects regarding the various associated disciplines;
- possess adequate knowledge of the methodological and operational aspects regarding the disciplines pertaining to the course chosen and be able to use specific methods, techniques and instruments;
- possess adequate knowledge regarding practicalities of technique and economics, cost and production process calculations, and the realization of artisan work for architectural works and building.
- be able to use another EU language, other than Italian, in written and oral form in order to communicate effectively;
- know and understand building typology and its functional, structural and technological aspects with regards to materials and construction components related to physical-environmental, socio-economic or manufacturing contexts;
- know and understand a building in relation to its original state and its historical transformations, and to its current contextual setting and by analyzing the building's materials, phases and historical techniques of its construction and basic structure;

- know and understand the physical, spatial and organizational characteristics of a setting, regarding its natural characteristics and human intervention, historic transformation and its socio-economic and regional context;
- know and understand engineering, safety, building protection aspects in relation to prevention and management.

- possess adequate base knowledge in the fields of mathematics, physics, computer science, chemistry and biology for their application;
- know research methods and be able to participate in research and experimentation, as well as use knowledge to solve the various practical problems in the agricultural, food and forestry sectors;
- possess knowledge and competency, even with regards to operational procedures and lab work, in one or more of the following sectors: agriculture, food industry and forestry;
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L-24 Psychology

Graduates will:

- acquire the basic knowledge for diverse sectors of psychological disciplines;
- be competent in the methods and procedures regarding scientific studies;
- acquire practical competences and experience;
- be able to use instruments for the communication and management of information;
- be able to use another EU language, other than Italian, in its written and oral form for the exchange of general information.

L -25 Agriculture and Forestry

Graduates will:

- have an understanding in agriculture of production quantity and quality, sustainability, hygiene, sanitation, in addition to knowledge of regional agricultural issues, including property, topography and cartography questions, and landed property; understand technical equipment, systems and products related to

agriculture, food and forestry, sustainable management of agricultural resources, planning, and the management of systems for agriculture, including greenery. understand systems in forestry for the protection and management of sustainability in forest and mountain environments; be knowledgeable of property, topography, cartography, forestry-zoo-technics, the management of work projects, production, harvesting, the working and selling of products obtained and their derivatives and the evaluation of forest topsoil;

possess the basic knowledge for the planning of simple agricultural, forestry, and environmental systems;

be able to give technical assistance in the agricultural, food and forestry sectors;

be able to evaluate what impact agriculture and forestry projects have on the environment in terms of safety and work plans;

know the norms and regulations for the related areas;

understand the corporate environment and the relative economic, managerial and organisational aspects of the agricultural, food industry and forestry sectors;

possess the ability to keep abreast of the latest updates;

be able to speak and write fluently in another EU language (preferably English) other than Italian for professional communication purposes

possess adequate competences for the management and communication of information;

be able to work individually and in groups and adapt to diverse work environments.

L-26 Food Sciences

Graduates will:

- possess adequate basic knowledge of mathematics, physics, chemistry, biology and information technology, especially oriented to their applicative aspects of science and technology in the entire food production process;
- understand research methods, be able to use research results and experimentation professionally and apply the knowledge gained to the multiple problems in the food production chain;

- possess a complete vision of the activities and problems, from the production to the consumption of foods, as well as the ability to intervene using measures that can guarantee the safety, quality and healthiness of the food, while reducing waste and reconciling economy and ethics in the production, conservation and distribution of food;
- have in depth knowledge of chemical, physical, sensorial and microbiological methods to check and evaluate the food, raw materials and semi-finished products;
- possess knowledge of how to manage safety, quality and hygiene;
- understand the principles of healthy human alimentation to promote prevention and protection and to have clear communication with the medical world;
- know the basics of food laws to guarantee respect of current regulations and to organize and economise food plants accordingly;
- have the ability to carry out technical, planning and monitoring tasks in the administering of food as well as be able to evaluate food consumption habits;
- have the ability to coordinate the multiple types of knowledge and the diverse activities tied to food and alimentation, keeping track of the one and only complete scope of vertical integration, from the fields to the tables, in specific production sectors of the food world;
- know how to intervene in the diverse phases of planning, production, control and distribution of specific food categories;
- have the ability to coordinate diverse activities tied to gastronomy;
- know the principles, ethics and norms of the professional field;
- know the professional settings and their relative economic, management and organizational considerations regarding the entire food production process;
- possess the basic cognitive instruments needed to remain informed of the latest changes in the field, including the use of IT;
- be able to effectively use at least one other EU language (usually English), other than Italian in written and oral form for professional purposes;
- possess adequate competences to collaborate in the management and communication of information;
- be able to work individually and in groups and adapt to diverse work environments.

L-27 Chemistry

Graduates will:

- possess adequate knowledge of the diverse sectors of chemistry, including its basic theory, experimental and applicative techniques and have adequate knowledge of mathematics, information technology and physics;
- possess the methodological instruments to remain abreast of progress;
- possess the tools needed to understand the interlinking of chemistry with other scientific disciplines and techniques and be aware of the issue of sustainable development;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes;
- possess adequate competences to collaborate in the management and communication of information;
- be able to work individually and in groups and adapt to diverse work environments.

L-28 Navigation

Graduates will:

- have adequate knowledge of the fundamentals of mathematics, physics, and computer science and acquire research methods;
- be able to work professionally in the fields of maritime, land, air and space navigation and for the purposes of surveying, hydrography, oceanography, meteorology;
- possess the appropriate competences to manage the logistics and safety of vessels and their land plants;
- be able to work individually and in groups and adapt to diverse work environments;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes;
- be able to use instruments for the communication and management of information.

L – 29 Pharmacy

Graduates will:

- have adequate knowledge of the basics of chemistry in the realms of molecular structure, chemical balances, the chemism of functional groups and chemicoanalytical aspects;
- have adequate knowledge of animal and plant biology, morphology, physiology and human physiopathology;
- possess basic knowledge of general and applied biochemistry aimed at understanding the molecular mechanisms of biological phenomena and metabolic activities, as well as know about metabolic activities, enzymes, proteins and nucleic acids as receptors of pharmaceutical drugs;
- possess knowledge of pharmaceutical chemistry and toxicological and pharmacological analysis in order to know the pharmaceuticals and the relative aspects of pharmacodynamics, pharmacokinetics and toxicity;
- possess knowledge of pharmaceutical forms and materials used in the formulation of therapeutic treatments and the legislative and ethical norms regarding the various aspects of the profession;
- possess knowledge of applied scientific research methodologies, especially regarding issues in the field;
- the ability to use at least one other EU language, other than Italian in written and oral form for professional purposes;
- the ability to use the main computer and telecommunications tools.

L – 30 Physics

Graduates will:

- 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 mathematical and computer instruments;
- be able to use the most modern technologies;
- be able to manage complex systems of measurement and analysis of large amounts of data using scientific methodology;
- be able 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 effectively communicate and manage information;
- possess the necessary stance and tools to remain updated quickly and continuously regarding scientific and technological progress;
- be able to work individually and in groups and adapt to diverse work environments;
- be able to effectively use at least one other EU language, other than Italian, in written and oral form for professional purposes.

L – 31 Computer Science

Graduates will:

- have knowledge and competences in the various sectors of information science and technology and communication to design, develop and manage information 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, together with IT knowledge;
- be able to work individually and in groups and adapt to diverse work environments;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes.

L- 32 Environmental sciences

Graduates will:

- 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 or humanly altered state;
- be able to use instruments for the communication and management of information;
- be able to work individually and in groups and adapt to diverse work environments;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes;
- possess the tools to remain up-to-date in the field.

L – 33 Economics

Graduates will:

- possess adequate basic knowledge in economics and mastery in the use of mathematical and statistical instruments, as well as possess knowledge of legal principles and institutions;
- know how to face problems regarding economic systems and the societies which constitute them;
- have sound skills regarding economic research, methods, and techniques of the diverse sectors of application, with attention to innovations in gender analysis;
- possess practical skills regarding 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 the communication and management of information.

L – 34 Earth sciences

Graduates will:

- possess the fundamentals of chemistry, physics, mathematics and computer science in order to have a solid scientific background and to be able to describe and interpret exogenous and endogenous geological processes;
- possess fundamental knowledge of the various sectors of the earth sciences with regards their theoretical, experimental and applicative aspects in the evolutionary processes of the earth;
- have some degree of familiarity with research methods to carry out geological, laboratory and soil studies;
- have the ability to use fundamental tools to analyse geological systems and processes;
- possess sufficient field and laboratory competence;
- be able to work individually and in groups and adapt to diverse work environments;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes.

L – 35 Mathematics

Graduates will:

- 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;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes;
- be able to use instruments for the communication and management of information.

L- 36 Political science and international relations

Graduates will:

- acquire an education characterised by an interdisciplinary approach (consisting of law, economics, politics, sociology, history) suited to analysing and managing the public and private issues of modern society;
- 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, economics, quantitative and comparative methods, especially with regards to legal journalism, which will allow for an innovative and practical entry to work in public and private sectors.

L – 37 Peace studies

Graduates will:

- possess adequate basic knowledge in the areas concerning demographics, ethnicity and anthropology, as well as knowledge of the development of societal changes, and practices concerning equal opportunity;
- have adequate knowledge of anthropological disciplines and of socio-political change and development;
- be familiar with the phenomena of the world economy, including intercultural and gender-related issues, and the anthropological, social, cultural and institutional components of development, also at local level;
- be able to speak and write about the field and communicate general information in two EU languages (in addition to Italian);
- be able to use instruments for the communication and management of information;
- be able to work both in a group and autonomously and to be able to adapt to different work environments.

L - 38 Zoology

Graduates will:

- have a sufficient base knowledge of biology, chemistry, and mathematics to provide for specific and ongoing professional training;
- acquire research methods needed to solve manifold problems that may arise in their profession;
- acquire laboratory/farm skills needed to work in the sector;
- have knowledge of general animal pathology, animal epidemiology, infectious parasitological animal diseases, prophylaxis, national and European health laws, animal husbandry, animal health, the safety and quality of food of animal origin, 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 such enterprises as livestock breeding, hunting and fish-farming, as well as enterprises supplying technical means and services in the production and marketing of animals and pet breeding and the population control of wild animals;
- understand the issues and principles regarding the profession and related norms and ethical issues;
- be able to speak and write about the field and communicate general information in two EU languages (in addition to Italian);
- be able to use instruments for the communication and management of information;
- be able to work individually and in groups and adapt to diverse work environments.

L – 39 Social work

Graduates will:

- possess adequate knowledge and mastery of the basic disciplines of social services and the methods and techniques used in the field;
- the knowledge and methods to adequately plan and carry out integrated interventions among various settings;
- possess a good interdisciplinary background in sociology, anthropology, ethics, philosophy, medicine, psychology, law, and history, suited to understanding the characteristics of modern society and collaborating in the creation of intervention for an individual or a social group;

- possess competences to note and treat situations of social unease regarding the individual, families, groups and the community;
- be able to transfer the services carried out for a specific situation into the general, economic and social context of the community;
- must possess adequate skills and tools for the communication and management of general information, especially for use in the protection of citizens' rights and the guidance of individuals in difficulty;
- possess the ability and skills to interact with various cultures, including gender based and immigrant populations, so that multiethnic and intercultural relations may take place;
- be able to activate actions that prevent social unease and promote wellbeing among people, families, groups and communities, carry out spontaneous social interventions and sustain access to resources and professional assistance;
- possess mastery in social research methods;
- be able to work in groups;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes;
- take on internships in either national or international public offices, NGOs, cooperatives and social organizations with professional social services.

L – 40 Sociology

Graduates will:

- possess adequate knowledge of the basic disciplines in sociology and social sciences;
- 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 treatment of data pertinent to social analysis;
- possess an adequate knowledge of the organizational culture of various work environments;
- 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 areas;

- must possess adequate skills and tools for the communication and management of information;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes.

L – 41 Statistics

Graduates will:

- possess adequate knowledge of statistics;
- have an adequate knowledge of the base disciplines in which statistics are to be applied, as indicated by the competent educational structure;
- have a good level of mastery in research methods and of some of the practical techniques used in diverse sectors;
- be competent in research and statistics methodology;
- have practical and operational competence regarding the gathering, measurement and treatment of data pertinent to statistical analysis in its various applicative aspects;
- be trained to think in a logical, conceptual and methodological manner in order to plan and carry out statistical research for observation and experimentation and in order to establish computer databases.
- must possess adequate skills and tools for the communication and management of information;
- be able to effectively use at least one other EU language, other than Italian in written

and oral form for professional purposes. .

L – 42 History

Graduates will:

- have basic knowledge for historical research and communication by way of understanding the fundamental thoughts of epistemology and methodology of history, as well as elements of other social sciences and disciplines and auxiliary techniques;

- understand the outline of human history and be familiar with historiographical language, paradigms and styles, criticism of sources, historiographical traditions, and diachronic profiles of gender relations and information gained directly from some original sources;
- possess adequate skills and tools for the communication and management of information;
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes. .

L – 43 Conservation and restoration of cultural heritage

Graduates will:

- understand the structural and material characteristics of works of art to carry out conservation projects;
- possess a balanced educational background of sciences and humanities;
- possess a mastery of methods and techniques of researching and interpreting data for knowledge about a cultural asset and how to save and conserve it;
- possess adequate scientific and technical knowledge on: -morphological and structural characteristics of the cultural asset; -characteristics and the properties of the materials used in it; -technical possibility of intervention for restoration and conservation; -archaeometric applications in the various fields;
- possess the competencies needed to carry out projects to arrest the decay and/or structural instability of historical buildings in one or more of the following sectors: theatrical and musical heritage, archives, and cinema;
- possess adequate technical and scientific knowledge regarding 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;
- possess economic and legal knowledge in the field of cultural heritage;
- be able to effectively communicate and manage information.
- be able to effectively use at least one other EU language, other than Italian in written and oral form for professional purposes.