Below please find the courses available in English.

FIELD OF STUDY	COURSE NAME	LEVEL OF STUDY	ECTS	CODE	COURSE CONTENT
CHEMISTRY	General and inorganic chemistry	Engineer	5	ChKI&II001	The student: 1. Knows the states of matter, intermolecular interactions, equations of state, basics of electrochemistry, phase equilibrium. 2. Knows the basic types of chemical reactions and their mechanisms. 3. Has a basic knowledge of the reactions of inorganic compounds and reaction mechanisms. 4. Knows the action of buffer solutions and how to use chemical nomenclature and describes the properties of elements and chemical compounds. 5. Is able to correlate the properties of elements and their chemical compounds with their position in the periodic table. 6. Is able to perform qualitative analyses on the basis of analytical procedures known to him/her. 7. Describes and applies the theoretical and practical aspects of performing a qualitative and quantitative analysis of inorganic compounds. 8. Is aware of the need to comply with the principles of occupational health and safety in everyday work and understands their dependence on caring for the health and comfort of colleagues. 9. Understands the interdisciplinarity of the field of study and the need to have knowledge in various areas of science.
	The structure and physiology of the skin	Engineer	4	ChKI002	The student: 1. Knows the structure of the skin and the processes taking place in it. 2. Knows and characterizes external and internal factors influencing the condition of the skin. 3. Knows and recognizes elementary skin lesions that are symptomatic of diseases. 4. Analyses the functions of the skin and identifies possible disorders in its proper functioning. 5. Recognizes and analyses the symptoms of skin aging. 6. Relates the condition of the skin to the influence of external and internal factors on its condition.

					7. Is able to use the acquired knowledge in the daily work of a cosmetic product technologist. 8. Understands the need to constantly expand his/her knowledge.
	Biochemistry and molecular biology	Engineer	4	ChKI003	The student: 1. Defines and presents the chemical structure of living organisms. 2. Describes and explains the importance of the main metabolic pathways for the proper functioning of the body. 3. Knows the influence of genetic and environmental factors on the functioning of the organism. 4. Correctly uses the terminology relating to chemical compounds that build living organisms. 5. Knows how to search for information relevant to the course from the scientific literature and other proven sources of knowledge. 6. Constantly deepens his/her knowledge on the course content. 7. Knows how to apply the acquired knowledge in cooperation with an interdisciplinary team of experts. 8. Knows how to apply the acquired knowledge at further stages of education in the field of cosmetic chemistry.
	Fundamentals of cosmetics science	Engineer	4	ChKI004	The student: 1. Has elementary knowledge in the field of cosmetic chemistry, allowing him/her to acquire further engineering competences. 2. Knows the basic ingredients of cosmetics, groups of cosmetic raw materials and forms of cosmetic products. 3. Uses nomenclature appropriate for cosmetic chemistry. 4. Knows how to use it collections/ databases applicable in the production and distribution of cosmetic products. 5. Understands the need to constantly expand his/her knowledge. 6. Understands the interdisciplinary nature of cosmetic chemistry and the non-technical effects of engineering activities.
	General microbiology	Engineer	3	ChKI005	The student: 1. Has basic knowledge of general microbiology, including the morphology, anatomy and physiology of selected groups of microorganisms. 2. Knows and defines elementary terminology appropriate for general microbiology.

					3. Knows and characterizes research methods applicable in general microbiology. 4. Can indicate the role of microorganisms in everyday life and industry. 5. Knows how to apply the basic techniques of microscopic observation in practice. 6. Identifies microbiological hazards in the workplace and in everyday life. 7. Shows responsibility for his/her own safety and that of his/her colleagues. 8. Is aware of the importance of following the rules of professional ethics.
	Organic chemistry	Engineer	4	ChKII&III002	The student: 1. Knows the basic groups of organic compounds. 2. Knows the characteristic reactions and the preparation of the following groups of compounds: alkanes, cycloalkanes, alkenes, alkadienes, alkynes, carbonic acid derivatives, organometallic compounds, unsaturated carbonyl and dicarbonyl compounds, organic sulfur compounds. 3. Knows the reactions characteristic for: fats, carbohydrates, polyisoprene compounds, steroids, amino acids, peptides, alkaloids, nucleotides and nucleic acids. 4. Understands the relationship between the structure of organic compounds and their properties. 5. Is able to use chemical nomenclature and nomenclature fluently. 6. Recognizes functional groups of organic compounds. 7. Uses known laboratory techniques necessary to perform simple syntheses of organic compounds. 8. Uses the acquired knowledge in the subject of organic chemistry to continue education in the next semesters of engineering studies. 9. Knows how to work in a group, taking different roles in it. 10. Is aware of the need to comply with the principles of occupational health and safety in everyday work and understands their dependence on caring for the health and comfort of colleagues.
	Immunology and allergology	Engineer	2	ChKII003	The student: 1. Understands the principles of the immune system and the basic causes of its dysfunction. 2. Is able to characterize and present the basic mechanisms causing allergies.

					3. Knows the basic drug and desensitization therapies. Understands the basic elements and functions of the immune system. 4. Recognizes pathology of the immune system. 5. Analyses the role of the immune system in fighting infections and causing skin diseases. 6. Determines the type of allergic reaction. 7. Is prepared to practice, taking into account the knowledge of the mechanisms of triggering and preventing allergic reactions. 8. In his/her professional work he/she is aware of the benefits and risks of the toxic products used, with particular emphasis on allergic reactions.
	Dermocosmetics	Engineer	2	ChKII004	The student: 1. Knows and understands the specificity of the work of a beauty salon. 2. Has elementary knowledge of cosmetology diagnostics. 3. Has elementary knowledge of the selection of cosmetic products for specific treatments in the field of beauty cosmetology. 4. Is able to carry out cosmetological diagnostics under the supervision of an experienced cosmetologist. 5. Can provide cosmetological advice on home care under the supervision of an experienced cosmetologist and select appropriate cosmetic preparations for this purpose, taking into account the indications and contraindications for their use. 6. Has the ability to select appropriate cosmetic preparations, depending on the therapeutic goal set to achieve. 7. Is able to use the acquired knowledge in everyday professional work. 8. Understands the need to constantly expand his/her knowledge.
	Cosmetic raw materials	Engineer	4	ChKIII002	The student: 1. Knows and characterizes natural and synthetic raw materials used in the cosmetics industry. 2. Knows the rules and methods of obtaining and processing raw materials used in the production of cosmetic preparations. 3. Knows and complies with analytical and microbiological standards for cosmetic raw materials. 4. Is able to recognize and classify individual groups of cosmetic raw materials. 5. Can describe the physicochemical properties of selected cosmetic raw materials.

					6. Knows how to select the appropriate cosmetic raw materials depending on the desired scope of action of the cosmetic preparation. 7. Knows how to apply appropriate techniques, methods and laboratory procedures. 8. Knows how to work in a team, taking on different roles in it. 9. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
	Industrial production of cosmetics	Engineer	5	ChKIII003a	The student: 1. Knows and describes the elements of the industrial cosmetics production process. 2. Knows and understands the legal, economic and social aspects of cosmetics production on an industrial scale. 3. Understands the mechanisms of transferring production from a laboratory scale to an industrial scale. 4. Knows how to plan and organize production on an industrial scale. 5. Is able to engage appropriate fixed assets that will allow for the expansion of the production scale. 6. Is able to supervise and optimize the processes of industrial production of cosmetics. 7. Can think and act like an entrepreneur. 8. Knows how to interact and work in a group, taking on different roles in it.
	Elements of biopharmacy in the cosmetics industry	Engineer	5	ChKIII003b	The student: 1. Knows the elementary terminology appropriate for biopharmacy. 2. Knows and describes the routes of penetration through the skin and the fate of the active substance in the body. 3. Knows the methods of labelling active substances and preservatives in cosmetics. 4. Uses nomenclature appropriate for biopharmacy. 5. Can evaluate the effects of cosmetic products on the skin. 6. Performs a critical analysis of the information contained in the available sources and draws conclusions important for further actions. 7. Understands the need to constantly improve his/her professional qualifications. 8. Is able to apply the acquired knowledge and skills to strengthen his/her position on the labour market.

	Polymers in cosmetics	Engineer	2	ChKIII004	The student: 1. Knows how to use the polymers in the modern cosmetic industry. 2. Knows the chemical structure of polymers and their physicochemical and mechanical properties. 3. Has an elementary knowledge of the methods of testing polymers with the use of the necessary equipment. 4. Is able to clearly and comprehensively convey the acquired knowledge about polymers, methods of their preparation, modification, physicochemical and mechanical properties and current methods of application. 5. Uses the available literature and other sources of knowledge allowing for a correct understanding of issues in the field of polymer technology. 6. Is able to apply the acquired knowledge to strengthen his/her position on the labour market.
	Chemistry and cosmetic formulation	Engineer	4	ChKIV001	The student: 1. Knows the forms of cosmetic preparations. 2. Knows the methodology of formulating cosmetics. 3. Knows and characterizes natural and synthetic substances used in the chemistry and formulation of cosmetic products. 4. Is able to apply the principles of creating cosmetic forms which are the basis for the formulation of cosmetics. 5. Can create and make recipes for cosmetic products in loose and pressed form as well as gel and emulsion. 6. Can determine the range of functions of basic cosmetic ingredients. 7. Can use the available laboratory and research equipment and prepare detailed reports on the activities performed. 8. Knows how to work in a team, taking on different roles in it. 9. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
	Physical chemistry of cosmetic forms	Engineer	4	ChKV001	The student: 1. Knows the physicochemical properties of various forms of cosmetic products. 2. Knows the factors influencing the durability of a cosmetic product and its functional features.

					3. Knows the methods of determining the physicochemical properties of selected forms of cosmetic products. 4. Know how to determine selected physicochemical properties of various forms of cosmetic products. 5. Is able to relate the influence of physicochemical properties on the quality of the finished cosmetic product. 6. Is able to choose the appropriate cosmetic forms necessary to obtain specific functional properties of the product. 7. Know how to use the available laboratory equipment. 8. Knows how to work in a team, taking on different roles in it. 9. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
	Surfactants	Engineer	1	ChKV002	The student: 1. Has elementary knowledge of the structure, functions and classification of surfactants used in the cosmetics industry. 2. Knows the possibility of using surfactants in various branches of the cosmetic industry. 3. Is able to independently draw knowledge, from various available sources, about the directions of use of surfactants in the cosmetics industry. 4. Is able to apply the acquired knowledge and skills to strengthen his/her position on the labour market.
	Organic synthesis of cosmetic components	Engineer	5	ChKVI001a	The student: 1. Knows the elementary methods of organic synthesis used in the production of cosmetics. 2. Understands the use of natural and synthetic organic compounds in cosmetic products. 3. Is able to perform an organic synthesis of selected cosmetic components. 4. Is able to apply the acquired knowledge to the implementation of laboratory activities. 5. Uses the necessary laboratory equipment used to carry out organic synthesis. 6. Can think and act creatively while carrying out the entrusted duties. 7. Is able to correctly define the priorities for performance of a task determined by him/herself or others.

	Optimisation of cosmetics formulations	Engineer	5	ChKVI001b	The student: 1. Understands the importance of optimizing cosmetic recipes for the quality, utility properties and efficiency of the production process of cosmetic preparations. 2. Knows the methods of optimizing cosmetic recipes for various forms of cosmetic products. 3. Can make a qualitative and quantitative analysis of a cosmetic product at various production stages and on this basis make a decision about the need to optimize the recipe. 4. Is able to apply the acquired knowledge to the implementation of laboratory activities. 5. Uses the necessary laboratory equipment to optimize cosmetic recipes. 6. Can think and act creatively while carrying out the entrusted duties. 7. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
	Environmental impact assessment	Engineer	4	ChKVI001a	The student: 1. knows the legal aspects of making decisions that have a real impact on the environment. 2. understands and defines the purpose and benefits of implementing the EIA. 3. is able to independently carry out an EIA together with a report. 4. is able to identify impacts and forecast their effect on the environment. 5. is able to independently search and interpret data necessary for the proper conduct of an EIA. 6. knows how to work in a team, taking on different roles in it, including a leader. 7. is able to apply the acquired knowledge in everyday professional activity, while strengthening his/her position in the work environment.
	UV radiation and protective filters used in cosmetics	Engineer	4	ChKVI001a	The student: 1. Knows the benefits and negative effects [risks] of skin exposure to UV radiation. 2. Understands the essence of using sunscreen in cosmetic products. 3. Is able to assess the effectiveness of protection of a given component of a cosmetic product against UV radiation. 4. Can correctly label cosmetic products with a sunscreen effect.

					5. Can recognize skin changes caused by the harmful effects of UV radiation. 6. Is aware of the responsibility for the created cosmetic products and their impact on human life and health. 7. Is able to apply the acquired knowledge in everyday professional activity, while strengthening his/her position in the work environment.
	Quantum chemistry	Master	3	TKMgrI001	The student: 1. Knows and describes the postulates of quantum mechanics. 2. Knows the elementary computational methods of quantum chemistry. 3. Is able to perform calculations relevant for quantum chemistry and correctly interpret the obtained results. 4. Knows how to use concepts specific to quantum chemistry. 5. Is aware of his/her own limitations and understands the need to constantly expand his/her knowledge. 6. Can independently formulate a problem and seek its solution independently or working in a group.
	Synthetic and natural cosmetic raw materials	Master	5	TKMgrI001a	The student: 1. Has in-depth knowledge of natural and synthetic raw materials used in the cosmetics industry. The student knows the methods and conditions of their acquisition. 2. Has in-depth knowledge of the mechanisms of action of selected cosmetic raw materials. Understands the influence of cosmetic raw materials on the skin and its adnexae. 3. Knows the safety rules for the use of natural and synthetic cosmetic raw materials. The student provides examples of side effects. 4. Uses nomenclature appropriate for the content taught. 5. Independently searches for information on synthetic and natural cosmetic raw materials, using various available sources of knowledge. 6. Uses the applicable microbiological and analytical standards for natural and synthetic cosmetic raw materials. 7. Constantly improves his/her knowledge and professional competences. 8. Understands that his/her decisions have a real impact on the health and safety of consumers. The student tries to anticipate the negative effects of his actions in order to constantly minimize the risk of their occurrence.

	Metals and non-metals in cosmetic products	Master	5	TKMgrI001b	The student: 1. Knows major metals and non-metals as well as their properties and applications in industry. 2. Has in-depth knowledge of the mechanisms of action of selected metals and non-metals. 3. Knows the limits of metallic impurities in cosmetic products. 4. Uses nomenclature appropriate for the content taught. 5. Independently searches for information about metals and non-metals, using various available sources of knowledge. 6. Uses the applicable standards for metallic impurities in cosmetic products. 7. Constantly improves his/her knowledge and professional competences. 8. Understands that his/her decisions have a real impact on the health and safety of consumers. The student tries to anticipate the negative effects of his actions in order to constantly minimize the risk of their occurrence.
	Chemistry of care and protective cosmetics	Master	4	TKMgrIII001	The student: 1. Knows and characterizes natural and synthetic substances used in the technology and production of care and protective cosmetics. 2. Knows and describes the available methods of quantitative and qualitative analysis of the ingredients of care and protective cosmetics. 3. Has the knowledge about the technology and production of care and protective cosmetics with the properties desired by the consumer. 4. Knows how to design a cosmetic product with the features desired by the consumer. 5. Is able to acquire and analyse natural and synthetic substances available on the market, which are components of care and protective cosmetics. 6. Can use the available laboratory and research equipment and prepare detailed reports on the activities performed. 7. Thanks to the ability to think and act as an entrepreneur, is able to independently develop various forms of activity in the field of cosmetics technology. 8. Is aware of the possible negative effects of activities conducted in the field of cosmetic technology on the health of consumers.

	Chemistry of cleaning products	Master	4	TKMgrIV001	The student: 1. Knows and describes the properties and mechanisms of action of chemical cleaning agents. 2. Knows and characterizes the main ingredients of cleaning agents used on an industrial scale. 3. Knows and describes the methods of quantitative and qualitative analyses of chemical cleaning agents. 4. Is able to develop simple recipes of chemical cleaning agents used on an industrial scale. 5. Is able to correctly indicate the mechanism of action of cleaning agents, after an in-depth analysis of their composition. 6. Performs the entrusted duties in a safe manner and in accordance with oh&s regulations, while taking care of their own safety and that of their colleagues. 7. Thanks to the ability to think and act as an entrepreneur, is able to independently develop various forms of activity in the field of chemical technology. 8. Is aware of possible negative effects of activities conducted in the field of chemical technology on the environment.
	Elements of photochemistry and photoaging	Master	4	TKMgrIV002a	The student: 1. Knows and describes the influence of electromagnetic radiation on living organisms and the environment. 2. Recognizes and defines photochemical and photophysical processes. 3. Can recognize photoaging and photo-degradation processes and propose ways to prevent their negative effects. 4. Knows how to get information from industry literature, scientific publications, databases and other properly selected sources (including laws, standards and other legal regulations); has the ability to integrate the acquired knowledge. 5. Knows the limitations of his/her own knowledge, recognizes the need to constantly revise his/her knowledge, follow technical innovations and industry news. 6. Can inspire others to act and organize activities for the benefit of the social environment and the public interest.

	Synthetic and natural sunscreens and photosensitive agents	Master	4	TKMgrIV002b	The student: 1. Knows and defines natural and synthetic sunscreens used in cosmetic preparations. 2. Has the knowledge about the influence of uv radiation on human skin. 3. Can make a reliable analysis of the composition of cosmetic preparations available on the market with a sunscreen effect, as well as products accelerating the process of tanning, photosensitizing and brightening visible discoloration. 4. Knows how to get information from industry literature, scientific publications, databases and other properly selected sources (including laws, standards and other legal regulations); has the ability to integrate the acquired knowledge. 5. Knows the limitations of his/her own knowledge, recognizes the need to constantly revise his/her knowledge, follow technical innovations and industry news. 6. Is aware of the possible negative effects of activities in the field of cosmetics technology on the health and safety of consumers.
COSMETOLOGY	Physiology and pathophysiology	Bachelor	6	KosLicI&II001	The student: 1. Knows the elements of the structure and activities of organs and the mechanisms of functional systems that determine the proper course of life processes. 2. Knows and understands the mechanisms of development of functional disorders. 3. Knows the basic measurement methods of physiological parameters and their norms. 4. Is able to interpret the results of the obtained measurements of physiological indicators and associate them with the assessment of health condition. 5. Is able to use apparatus and equipment to measure physiological parameters. 6. Is able to perform basic calculations of physiological indicators and formulate conclusions based on the obtained results. 7. Is able to assess the influence of pathogenic factors on the functional state of the organism. 8. Is able to use theoretical knowledge on the structure and functions of the skin in cosmetology practice.

					9. Is able to connect theoretical knowledge about skin physiology, its innervation and vascularization with the consequences of cosmetic procedures. 10. Can explain to a person undergoing skin care treatments what changes their skin is subject to depending on its age and hormonal activity. 11. Is aware of the need for continuous professional development in the field of structure and function of organs and physiology of systems, with particular emphasis on the skin and its adnexae.
	Biochemistry	Bachelor	5	KosLicI002	The student: 1. Knows the structure, function, properties and chemical and biochemical processes of micro and macromolecules. 2. Knows and describes the course of basic metabolic processes. 3. Knows and describes the structure and function of biological membranes and the mechanisms of transmembrane transport. 4. Is able to use the acquired knowledge in practice and explain the biochemical processes of the skin in an easy and accessible way. 5. Recognizes the influence of bioactive factors on the skin. 6. Is able to use the acquired knowledge in further study and in the process of preparing for the final theoretical exam. 7. Understands the need to constantly expand his/her knowledge.
	Histology and cell biology	Bachelor	5	KosLicI&II003	The student: 1. Knows and describes the proper structure and function of cells, tissues, organs and systems of the human body and understands the interdependencies of their structure and function, with particular emphasis on the skin and its adnexae. 2. Has a basic knowledge of systemic homeostasis and its regulation, reproductive processes – changes in the woman's body in the reproductive life and menopause. 3. Knows and characterizes the functioning of the cardiovascular, respiratory, digestive, urinary, immune and nervous systems and shows their direct or indirect influence on the skin. 4. Has a basic knowledge of genetics, understands the link between information contained in dna and the structure of a cell as a resultant of information contained in dna. 5. Understands the interdependence between the structure of individual cell organelles and their function.

					6. Uses theoretical knowledge on the structure of the skin and its adnexae in cosmetology practice. 7. Uses the knowledge of changes in the structure of body tissues in relation to the age of a woman and her menstrual cycle. 8. Is able to connect theoretical knowledge of skin structure, its innervation and vascularization with the consequences of cosmetic procedures. 9. Uses the knowledge of stem cells and describes their importance in skin regeneration and reconstruction of skin adnexae. 10. Shows the relationship between the information reaching the cell from the external environment and its life activity. 11. Can explain to a person undergoing skin care treatments what changes their skin is subject to depending on its age and hormonal activity. 12. Is aware of the need for continuous professional development, including the structure and function of tissues, with particular emphasis on the skin and its adnexae.
	Psychological and social aspects of working with a client	Bachelor	3	KosLicI004	The student: 1. Has basic knowledge of interpersonal communication. 2. Has knowledge in the field of building trust and credibility, making a positive impression. 3. Knows the social and psychological conditions in contact with the client, communication styles, explains the causes and mechanisms of conflicts and misunderstandings while working with the client. 4. Has the ability to listen actively. 5. Can be assertive and shows respect for the interlocutor.
	Diagnosis of the skin, hair and nails	Bachelor	3	KosLicI005a	The student: 1. Understands and defines the goals and tasks of cosmetological diagnostics. 2. Knows and describes the process of conducting a medical history and physical examination as well as additional examinations in the case of healthy skin, hair and nails, as well as in special conditions of the organism. 3. Understands and discusses the principles of documenting the diagnostic process in cosmetology.

					4. Is able to carry out a cosmetological interview in case of healthy or diseased skin, scalp and hair and nails as well as in case of special conditions of the organism. 5. Is able to perform a cosmetological physical examination in case of healthy or diseased skin, scalp and hair and nails as well as in case of special conditions of the organism. 6. Is able to carry out additional cosmetological examinations in case of healthy or diseased skin, scalp and hair and nails as well as in case of special conditions of the organism. 7. Can document the diagnostic process in cosmetology. 8. Understands the need to cooperate with representatives of other professions during the diagnostic process in cosmetology. 9. Understands the need to undertake actions aimed at continuous improvement of professional qualifications in the field of diagnostic, therapeutic and pedagogical and psychological methods in the field of cosmetology diagnostics and counselling.
	Diagnostics equipment for cosmetology	Bachelor	3	KosLicI005b	The student: 1. Understands the importance of instrumental cosmetology diagnostics in planning therapeutic strategies and proper selection of the procedures used in the area of care and beauty cosmetology. 2. Knows and describes the available equipment, apparatus and the necessary computer software used in instrumental cosmetology diagnostics. 3. Knows and characterizes the principles of documenting the diagnostic process in cosmetology. 4. Is able to carry out cosmetological diagnostics with the use of appropriate apparatus and equipment. 5. Is able to correctly evaluate and analyse the results of apparatus measurements. 6. Is able to use the results of the cosmetology diagnostics at the subsequent stages of planning therapeutic strategies and the proper selection of the procedures used in the area of care and beautifying cosmetology. 7. Can document the diagnostic process in cosmetology. 8. Understands the need to cooperate with representatives of other professions during the diagnostic process in cosmetology.

					9. Understands the need to undertake actions aimed at continuous improvement of professional qualifications in the field of diagnostic, therapeutic and pedagogical and psychological methods in the field of cosmetology diagnostics and counselling.
	Health promotion and prevention of civilisation diseases	Bachelor	1	KosLicII001	The student: 1. Knows the basic concepts of health promotion and prevention of civilization diseases. 2. Knows and describes the principles of constructing health programmes. 3. Knows and defines health determinants. 4. Recognizes the determinants of the client's health behaviour and risk factors for the occurrence of civilization diseases. 5. Analyses and modifies health programmes in order to adapt them to the needs of his/her clients. 6. Carries out his/her profession in accordance with the principles of ethics, respecting the rights of the client and respecting the client's values and beliefs.
	Immunology and fundamentals of allergology	Bachelor	5	KosLicII004	The student: 1. Knows the structure and functions of organs and cells of the immune system. 2. Knows the principles of immune regulation. 3. Knows the pathologies of the immune system. 4. Recognizes pathology of the immune system. 5. Recognizes the causes of autoimmune diseases and allergic diseases. 6. Recognizes the undesirable effects of external factors on the skin, including exogenous factors (including cosmetic products). 7. Is prepared to practice, taking into account the knowledge of the mechanisms of triggering and preventing allergic reactions. 8. In his/her professional work he/she is aware of the benefits and dangers of the toxic preparations used, with particular emphasis on allergic reactions caused by certain cosmetics.
	Dermatology	Bachelor	6	KosLicIII&IV001	The student: 1. Knows the terminology and dermatological nomenclature based on the semiotics of skin lesions. 2. Knows the environmental and epidemiological conditions of the most common skin diseases, including cancer.

					3. Knows and understands the causes, symptoms, diagnostic and therapeutic methods for the most common skin diseases. 4. Is able to conduct a diagnostic interview and on its basis to recognize skin lesions. 5. Is able to choose the appropriate cosmetic treatments dedicated to the affected skin, based on dermatological knowledge and recommendations of a dermatologist. 6. Can recommend appropriate prophylaxis in specific dermatological diseases. 7. Can distinguish between cases of skin irritation and complications after cosmetic procedures from potential skin diseases. 8. Identifies errors and omissions in the field of dermatological diseases related to the profession of a cosmetologist. 9. Uses knowledge in the field of dermatology in everyday cosmetology practice, and determines the directions of further education. 10. Correctly defines the boundary between the knowledge and the range of treatments that can be performed by a cosmetologist and a dermatologist. 11. Works with a specialist in the care of skin with pathology.
	Microbiology and parasitology	Bachelor	4	KosLicIII002	The student: 1. Knows and understands the basic concepts of microbiology and parasitology. 2. Lists and describes external and internal pathogens, both modifiable and non-modifiable. 3. Differentiates between the epidemiology of infections with viruses, bacteria, fungi and parasites, taking into account the geographical range of their occurrence. The student characterizes the epidemiology of infections and the system of their control. 4. Understands the role of microorganisms in human life as elements of the natural microflora and infectious agents. 5. Explains the mechanism and procedure of various types of infections. 6. Is able to correctly select the available methods of disinfection and sterilization. 7. Recognizes and characterizes diseases of the skin and mucous membranes resulting from microbial infections. 8. Describes the principles of operation of the available antibiotics and ways of controlling their activity.

					9. Is able to use knowledge of microbial biology in everyday situations, especially at work. 10. Knows the dangers of microorganisms that pose a threat to clients and staff of cosmetology clinics. 11. Knows the principles of asepsis in a beauty salon, skin antisepsis and disinfection of tools and surfaces.
	Cosmetic raw materials	Bachelor	4	KosLicIII003a	The student: 1. Knows and characterizes the basic raw materials used in the cosmetics industry. 2. Knows and complies with analytical and microbiological standards for cosmetic raw materials. 3. Knows the elementary principles and methods of obtaining and processing raw materials used in the production of cosmetic preparations. 4. Is able to recognize individual groups of cosmetic raw materials. 5. Is able to select the appropriate cosmetic raw materials depending on the functional properties of the product. 6. Knows how to apply appropriate techniques, methods and laboratory procedures. 7. Is aware of his/her knowledge about cosmetic raw materials. The student understands the need to constantly improve his/her professional qualifications in the field of composing and preparing cosmetic preparations that match the client's needs. 8. Knows and adheres to national and international standards and guidelines for cosmetic raw materials.
	Natural raw materials and herbal medicine	Bachelor	4	KosLicIII003b	The student: 1. Knows and characterizes the basic natural raw materials used in the cosmetics industry. 2. Knows the certification procedures for natural cosmetics. 3. Knows the rules of formulation, production, packaging and storage of natural cosmetics. 4. Is able to select the appropriate natural raw materials and herbs depending on the functional properties of the product. 5. Is able to make a basic analysis of natural resources used in the cosmetics industry.

					6. Knows how to use laboratory equipment and estimate the percentage content of individual components of cosmetic preparations. 7. Knows how to interact and work in a group, taking on different roles in it. 8. Creatively fulfils the duties entrusted to him.
	Skin care cosmetology	Bachelor	5	KosLicIII&IV004	The student: 1. Has knowledge in the field of cosmetology diagnostics and defines basic and specialized beauty treatments. 2. Knows and discusses the stages, goals, indications and contraindications of care treatments. 3. Knows and discusses side effects and complications after beauty treatments. 4. Is able to carry out cosmetological diagnostics in terms of beauty treatments. 5. Is able to independently determine the goals and stages of a cosmetological procedure in accordance with the diagnosis. 6. Independently prepares the workplace in a way that enables the proper performance of nursing treatments. 7. Is able to correctly perform treatments in the field of beauty cosmetology in accordance with the indications and contraindications. 8. Has the ability to select appropriate cosmetic preparations, materials, tools and equipment used for the implementation of cosmetic treatments dedicated to various skin types. 9. Shows empathy and respect towards the client who uses cosmetology treatments. 10. Knows how to work in a consulting team. 11. Is focused on following the latest trends and methods in the field of beauty cosmetology.
	Basics of biopharmacy of cosmetics	Bachelor	4	KosLicIV003a	The student: 1. Knows the elementary terminology appropriate for biopharmacy. 2. Knows and describes the routes of penetration through the skin and the fate of the active substance in the body. 3. Knows the methods of labelling active substances and preservatives in cosmetics. 4. Uses nomenclature appropriate for biopharmacy. 5. Can evaluate the effects of cosmetic products on the skin.

					6. Performs a critical analysis of the information contained in the available sources and draws conclusions important for further actions. 7. Understands the need to constantly improve his/her professional qualifications. 8. Is able to apply the acquired knowledge and skills to strengthen his/her position on the labour market.
	Nanotechnology in the modern cosmetology	Bachelor	4	KosLicIV003b	The student: 1. Knows the elementary terminology appropriate for nanotechnology. 2. Knows and describes the routes of nanoparticles penetration through the skin. 3. Understands the benefits and risks of nanotechnology in modern cosmetology. 4. Is able to characterize nanoparticles used in cosmetic products. 5. Is able to analyse the composition of a cosmetic product and describe the impact of the use of nanoparticles on its functional properties. 6. Can independently search for information in professional literature and other, including electronic sources of knowledge – also in english. 7. Is able to use the acquired knowledge in cosmetology practice. 8. Understands the need to constantly improve his/her professional qualifications.
	Cosmetic formulation	Bachelor	3	KosLicIV004	The student: 1. Knows and defines the terminology appropriate for the training module. 2. Knows the elementary methods and techniques of cosmetic formulation of preparations with specific functional properties. 3. Knows the properties of selected substances used in the production of cosmetic preparations. 4. Is able to analyse the composition of a cosmetic preparation and associate it with its functional properties. 5. Is able to make simple formulas of cosmetic preparations in the form of liquids, gels and emulsions. 6. Can use laboratory equipment necessary in the process of formulation of cosmetic products. 7. Understands the limitations of his/her own knowledge and the need for lifelong learning.

					8. Is focused on following the current trends and discoveries in the cosmetics industry.
	Aesthetics	Bachelor	2	KosLicV001	The student: 1. Knows and defines the elementary concepts in the field of aesthetics. 2. Knows the concepts and theories of aesthetics that change over the years and understands their influence on the appearance and preferences of modern man. 3. Is able to define the aesthetic needs of his/her client and take actions aimed at improving the client's well-being and fostering body positivity. 4. Is able to analyse the contemporary aesthetic preferences of various populations. 5. Is able to create the client's image, adjusting it to his/her type of beauty, style, individual needs and social conditions. 6. Is able to express constructive opinions in relation to decisions made by him/herself and others. 7. Is able to critically evaluate his/her own actions as well as that of other people, and accept the opinions of the team or other specialists.
	Dietetics and nourishment planning	Bachelor	3	KosLicV002a	The student: 1. Knows the biochemical basis of human nutrition. 2. Knows and describes the basic diets with indications and contraindications to their use. 3. Identifies the most common nutritional mistakes of customers, indicates the effects of neglect in the diet. The student shows the influence of eating habits on the well-being and external appearance of a person. 4. Can calculate the caloric demand and on this basis create a simple nutritional plan. 5. Is able to assess the nutritional value of a given product, knows where to look for data on the content of vitamins and minerals and energy value. The student can read and interpret labels. 6. Is aware of the need to constantly improve his/her competences. 7. Cares about the health of his/her client and, if necessary, directs the client to the appropriate doctor/ specialist.
	Prevention and treatment of obesity	Bachelor	3	KosLicV002b	The student:

					1. Knows the epidemiology, etiology and pathogenesis of being overweight and obese. 2. Knows the list of recommended laboratory and hematological tests used in the implementation of nutritional therapy. 3. Can read the results of laboratory and hematological tests used during the implementation of nutritional therapy. 4. Is able to participate in the basic scope in the process of creating a nutritional strategy for a person struggling with being overweight and obesity. 5. On the basis of a nutritional interview, the student tries to find the primary and secondary causes of obesity. 6. Is aware of the need to constantly improve his/her competences. 7. Cares about the health of his/her client and, if necessary, directs the client to the appropriate doctor/ specialist.
	Cosmetic chemistry	Bachelor	3	KosLicV003	The student: 1. Knows the properties of selected chemical elements, inorganic and organic compounds, their reactivity and effects on the body. 2. Knows the properties of chemicals used in the cosmetics industry. 3. Knows and defines the purity and types of water used in the making of cosmetic preparations. 4. Is able to freely use laboratory equipment and glass while performing tasks under the instructions of an academic teacher. 5. Is able to relate the type of inorganic and organic cosmetic raw materials, their chemical structure and functions in a cosmetic mixture. 6. Knows how to find and understand the basic legal provisions concerning the definition of a cosmetic, permitted composition, biological functions and risks resulting from the use of a given cosmetic raw material. 7. Understands the limitations of his/her own knowledge and the need for lifelong learning. 8. Is focused on following the current trends and discoveries of cosmetic chemistry.
	Skin photobiology	Bachelor	5	KosLicVI003a	The student: 1. Has elementary knowledge of skin photobiology. 2. Knows the benefits and negative effects [risks] of skin exposure to UV radiation.

					3. Understands the validity of sun prophylaxis. 4. Describes the effect of UV radiation on human skin. 5. Can recognize skin lesions that indicate increased exposure to UV radiation and make a decision about the need to consult a specialist. 6. Educates his/her clients on counteracting the negative effects of harmful UV radiation. 7. Cooperates with a team of specialists in the field of counteracting the negative effects of harmful UV radiation.
	Antioxidants in cosmetics	Bachelor	5	KosLicVI003b	The student: 1. Describes the changes in the human body in the aging process. 2. Knows the proper terminology needed to describe free radical processes, oxidation and antioxidants. 3. Has a basic knowledge of the methods of determining the content of antioxidants in cosmetic preparations, as well as their total antioxidant potential. 4. Can identify and analyse the composition of cosmetic products containing natural/ synthetic antioxidants. 5. Is able to identify skin lesions resulting from the negative effects of free radicals. 6. Is prepared to work in a team of specialists and to communicate effectively with the client in the scope consistent with the conducted business activity. 7. Critically analyses the available solutions in the field of reducing the effects of skin aging.
	Aesthetic medicine	Bachelor	4	KosLicVI004a	The student: 1. Understands what types of treatments are performed by a cosmetologist, and which – as per legal regulations – are reserved for a doctor working in the field of aesthetic medicine. 2. Knows and defines the basic treatments in the field of aesthetic medicine. 3. Knows and lists indications, contraindications and complications after treatments in the field of aesthetic medicine. 4. Knows and characterizes the basic fillers and stimulants used in treatments in the field of aesthetic medicine. 5. Can assess the usefulness of treatments in the field of aesthetic medicine in the context of a specific client.

					6. Is able to choose the appropriate cosmetological treatment aimed at taking care of the skin of the face/ body – before and after the aesthetic medicine treatment. 7. Can recognize complications after aesthetic medicine treatments and distinguish them from congenital defects. 8. Is aware of the need to improve his/her professional qualifications. 9. Is able to cooperate with a doctor operating in the field of aesthetic medicine as a member of a consulting team.
	Aesthetic cosmetology	Bachelor	4	KosLicVI004b	The student: 1. Understands what types of treatments are performed by a cosmetologist, and which – as per legal regulations – are reserved for a doctor. 2. Knows and defines highly specialized cosmetology treatments using the latest technologies and cosmetic preparations. 3. Knows and characterizes indications, contraindications and complications after highly specialized cosmetology procedures, but also procedures in the field of aesthetic medicine and plastic surgery. 4. Can assess the usefulness of treatments for a given client, distinguishing between non-invasive methods of modelling the figure or face oval, and treatments in the field of aesthetic medicine or plastic surgery. 5. Is able to choose the appropriate non-invasive treatment aimed at modelling the figure or the oval of the face and appropriate cosmetic preparations and equipment for their implementation. 6. Is able to choose the appropriate cosmetology treatment that complements the treatments in the field of aesthetic medicine and plastic surgery. 7. Is aware of the need to improve his/her professional qualifications. 8. Is able to cooperate with a doctor as a member of the consultation team.
	Skin oncology	Master	4	KosMgrI001	The student: 1. Has a well-established knowledge of the environmental and epidemiological determinants of human neoplasms. 2. Presents and characterizes the most common neoplasms, using terminology appropriate for medical science.

					3. Knows and describes neoplastic processes. The student knows the basic classification of neoplasms, their diagnosis and treatment. 4. Is able to conduct a dermatological and cosmetological interview, referring to the knowledge acquired during the course in the field of skin oncology. 5. Assesses and describes the client's skin condition, deciding whether or not to consult a specialist. 6. Can distinguish between changes in the client's skin that are symptoms of other diseases, not neoplasms. 7. Is able to predict the consequences and risks of cosmetological treatments performed on the skin of a client undergoing anti-cancer treatment. 8. Is aware of the legitimacy and importance of preventive measures in the case of neoplasms. 9. Is substantially prepared to cooperate with a specialist and understands the role of a cosmetologist in the process of early diagnosis of neoplasms. 10. Is able to critically evaluate his/her knowledge, noting the need for its constant verification and recognizing that it is necessary for the diagnosis of the disease, not for its treatment.
	Cosmetic raw materials	Master	2	KosMgrI002	The student: 1. Knows and characterizes natural and synthetic raw materials used in the cosmetics industry. 2. Knows the rules and methods of obtaining and processing raw materials used in the production of cosmetic preparations. 3. Knows and complies with analytical and microbiological standards for cosmetic raw materials. 4. Is able to recognize and classify individual groups of cosmetic raw materials. 5. Knows how to select the appropriate cosmetic raw materials depending on the desired scope of action of the cosmetic preparation. 6. Knows how to apply appropriate techniques, methods and laboratory procedures. 7. Knows how to work in a team, taking on different roles in it. 8. Is able to correctly define the priorities for performance of a task determined by him/herself or others.

	Allergology	Master	2	KosMgrII001	The student: 1. Knows the mechanisms of allergic reactions. 2. Knows the biological and environmental conditions of the development of allergic diseases. 3. Knows the causes, symptoms, principles of diagnosing and treating allergic diseases. 4. Is able to use the acquired knowledge in practice and on the basis of the diagnostic interview to recognize the symptoms of allergy. 5. Analyses the relationship between the occurrence of allergy and its biological and environmental determinants. 6. Is able to take preventive measures aimed at minimizing the risk of allergic reactions of the client. 7. Is aware of his/her own limitations and knows when to seek help from a specialist. 8. Recognizes the need to constantly revise and expand their knowledge.
	Clinical dermatology	Master	4	KosMgrII002	The student: 1. Knows, defines and applies professional vocabulary and nomenclature used in dermatological treatment. 2. Knows and understands the causes, symptoms and principles of diagnosing dermatological diseases. 3. Knows the environmental and epidemiological conditions of the most common skin diseases. 4. Is able to conduct a dermatological and cosmetological interview, referring to the knowledge acquired during the course in the field of clinical dermatology. 5. Assesses and describes the client's skin condition, deciding whether or not to consult a specialist. 6. Can distinguish lesions occurring on the client's skin and indicate their potential causes, the legitimacy of which is decided by a specialist. 7. Is able to predict the consequences and risks of cosmetological treatments performed on the skin of a client undergoing dermatological treatment. 8. Is aware of his/her own limitations and the lack of competences and legal grounds to perform the tasks relevant for a specialist. 9. Is substantially prepared to cooperate with a specialist and understands the role of a cosmetologist in the process of recognizing lesions on the client's skin and supporting dermatological treatment.

					10. Is able to critically evaluate his/her knowledge, noting the need for its constant verification and recognizing that it is necessary for the diagnosis of the disease, not for its treatment.
	Industrial production of cosmetics	Master	2	KosMgrIII001	The student: 1. Knows and describes the elements of the industrial cosmetics production process. 2. Knows and understands the legal, economic and social aspects of cosmetics production on an industrial scale. 3. Understands the mechanisms of transferring production from a laboratory scale to an industrial scale. 4. Is involved in the planning and organization of production on an industrial scale. 5. Is able to engage appropriate fixed assets that will allow for the expansion of the production scale. 6. Is able to optimize the processes of industrial production of cosmetics. 7. Can think and act like an entrepreneur. 8. Knows how to interact and work in a group, taking on different roles in it.
	Formulation of cosmetic preparations	Master	3	KosMgrIII002	The student: 1. Knows the forms of cosmetic preparations. 2. Knows the methodology of formulating cosmetics. 3. Is able to apply the principles of creating cosmetic forms which are the basis for the formulation of cosmetics. 4. Can create and make recipes for cosmetic products in loose and pressed form as well as gel and emulsion. 5. Can determine the range of functions of basic cosmetic ingredients. 6. Knows how to work in a team, taking on different roles in it. 7. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
	Aesthetic and anti-aging medicine	Master	2	KosMgrIII003	The student: 1. Has well-established knowledge in the field of aesthetic medicine, allowing him/her to understand the principles of cooperation between a cosmetologist and a specialist. 2. Knows and describes the elementary treatments in the field of aesthetic medicine to combat the effects of skin aging.

					3. In cooperation with a specialist, he/she is able to implement appropriate cosmetological therapies, supporting the process of obtaining the effect desired by the patient. 4. Is able to predict and recognize complications after an incorrectly performed aesthetic medicine procedure. 5. Can indicate the benefits, but also the risks resulting from the intervention of a specialist. 6. Works with a specialist as a member of the consulting team. 7. Uses the acquired knowledge in everyday professional practice and understands its importance in the work of a cosmetologist.
	Application of nanotechnology in cosmetology	Master	2	KosMgrIV001	The student: 1. Understands the importance of the use of nanostructures in cosmetology. 2. Knows and describes the benefits and risks of using non-particles and nanomaterials in the production of cosmetic preparations. 3. Is able to use the acquired knowledge in cosmetology practice. 4. Is able to analyse and critically evaluate the latest developments in nanotechnology and their impact on the development of cosmetology. 5. Understands the need to constantly expand his/her knowledge and follow the latest achievements in cosmetology and related disciplines.
	Nourishment and diet supplementation for health and beauty	Master	2	KosMgrIV002	The student: 1. Knows the physiological foundations of dietetics and the biochemical foundations of human metabolism. 2. Knows the elementary principles of rational human nutrition, as well as dietary supplementation, taking into account the type of demand resulting from the age and gender of the client. 3. Is able to use the acquired knowledge to assess the nutrition and nutritional status of the client. 4. Can choose a balanced diet and menu, assisted by specialized computer software. 5. Is able to assess the nutritional value of food taking into account the influence of technological processes. 6. Is aware of the importance of interdisciplinary knowledge in everyday work, taking into account the necessity of its ongoing verification by people specializing in the given fields.

	Natural biologically active substances	Master	6	KosMgrBIO001	The student: 1. Knows and distinguishes between natural substances that are components of cosmetic preparations. 2. Knows the elementary rules of formulating cosmetic preparations based on natural ingredients. 3. Knows the methodology of cosmetological treatments with the use of natural substances. 4. Creates simple cosmetic recipes for cosmetic preparations with the use of natural ingredients. 5. Creates treatments based on the use of natural ingredients. 6. Creates procedures of combined cosmetology therapies with the use of natural ingredients and specialized equipment. 7. Uses the acquired knowledge and practical skills to strengthen his/her position on the market. 8. Is able to identify mistakes and negligence in the cosmetologist's practice and to predict the risks and consequences of an incorrectly selected treatment, and to take appropriate preventive steps. 9. Performs duties in accordance with the applicable procedures, rules of professional ethics and OH&S regulations.
	Anti-aging medicine	Master	6	KosMgrBIO002	The student: 1. Knows and characterizes the biological, social and psychological aspects of aging. 2. Knows and describes the course and symptoms of the aging process. 3. Knows and adheres to the legal regulations concerning preventive and anti-aging medicine. 4. Can recognize the symptoms of aging and identify their causes. 5. Interprets the results of basic laboratory and diagnostic tests. 6. Critically examines the latest theories and trends in anti-aging medicine. 7. Is aware of his/her own limitations and the need of lifelong learning. 8. Is guided by the interests of his/her client, guarding the client's health and safety.
	Chemical analysis of a cosmetic product. Methods for assessing cosmetics	Master	6	KosMgrMPK001	The student: 1. Knows and describes the methods of analysis and evaluation of cosmetic products.

					2. Understands the use of qualitative and quantitative analysis with the implementation of appropriate methods. 3. Knows and characterizes the equipment used in the analysis and evaluation of cosmetic products. 4. Can choose the appropriate method of analysis and select the appropriate equipment. 5. Is able to conduct an ongoing analysis of the composition of cosmetic products, which is to ensure their high quality and safety. 6. Is able to use the appropriate raw materials to obtain the desired properties of a cosmetic product. 7. Knows how to work in a team, taking on different roles in it. 8. Is able to correctly define the priorities for performance of a task determined by him/herself or others.
DIETETICS	Public health	Bachelor	2	DLicI001	The student: 1. Knows the basic assumptions of public health and the social, cultural and economic determinants of health and disease. 2. Characterizes on selected examples the organization of the health care system, the structure of the medical services market as well as the goals and assumptions of the health care policy. 3. Performs an independent analysis of the health status of the selected population, using the known methods and techniques of measurement. 4. Performs a critical analysis of the functioning of the health care system and the insurance system in Poland and the selected EU countries. The student diligently analyses and assesses the activities of institutions controlling and supervising the health care system in Poland and the health care policy created by these institutions. 5. Systematically enriches his/her knowledge with the provisions governing the organization of the health care system in Poland and in the world. 6. Knows and respects the rights of the client who is the beneficiary of the health care sector.
	Human physiology	Bachelor	5	DLicI&II002	The student: 1. Knows the elements of the structure and activities of organs and the mechanisms of functional systems that determine the proper course of life processes.

					2. Knows and understands the mechanisms of development of functional disorders. 3. Knows the basic measurement methods of physiological parameters and their norms. 4. Is able to interpret the results of the obtained measurements of physiological indicators and associate them with the assessment of health condition. 5. Is able to use apparatus and equipment to measure physiological parameters. 6. Is able to perform basic calculations of physiological indicators and formulate conclusions based on the obtained results. 7. Is able to assess the influence of pathogenic factors on the functional state of the organism. 8. Is able to use theoretical knowledge of the physiology of the digestive system as well as water-electrolyte and alkaline-acid management in the professional practice of a dietician. 9. Recognizes the correct and pathological reactions of the body to physical effort of varying intensity. 10. Can explain the influence of exercise on the basic physiological parameters. 11. Is prepared to perform the profession with special care, taking into account the correct physiological knowledge. 12. Is aware of the need for continuous professional development in the field of structure and function of organs and physiology of systems.
	General biochemistry and biochemistry of food	Bachelor	4	DLicI&II003	The student: 1. Knows and characterizes various groups of microorganisms important for the profession of a dietitian. 2. Knows and characterizes viral and bacterial infections of the digestive system. 3. Knows and defines the basic tests of food products for microbiological contamination. 4. Can indicate the role of microorganisms in human life as elements of natural microflora and infectious agents. 5. Is able to connect knowledge of microbial biology with everyday situations, especially at work. 6. Can independently interpret the results of microbiological analyses and prepare a report on their basis.

					7. Is able to use the acquired knowledge in everyday professional work as a dietitian. 8. Understands the need for self-education in both microbiology and related sciences.
	Human nutrition	Bachelor	6	DLicI004	The student: 1. Has elementary knowledge of human nutrition. 2. Knows the role of nutrients in the body, their sources, demand, as well as the mechanisms of digestion and absorption. 3. Knows the methods of assessing the nutritional status. 4. Knows the methodology of composing simple menus according to the recommendations for specific nutrients. 5. Can correctly read, determine and analyse the nutritional and energy value of food. 6. Recognizes dietary mistakes made by the client or the entire population and analyses their causes. 7. Is able to use known methods of assessing the state of nutrition. 8. Is able to construct simple menus according to the recommendations for specific nutrients. 9. Can give simple advice on dietary recommendations. 10. Is aware of their role and the impact of the actions taken on the health and general condition of an individual or entire social groups. 11. Understands the need for a graduate of dietetics to participate in the promotion of a healthy lifestyle and prevention of lifestyle diseases.
	Nutritional education	Bachelor	3	DLicI005	The student: 1. Understands the importance of nutritional education in health policy. 2. Understands and defines the role of a dietitian in the promotion of a healthy lifestyle and prevention of lifestyle diseases. 3. Knows the principles of constructing nutritional education schemes dedicated to various social groups. 4. Is able to conduct nutritional education taking into account the needs of an individual/ group, age, gender, individual/ group situation. 5. Is able to construct educational schemes and conduct their evaluation. 6. Can use various means of communication, taking into account the needs of the individual/ target group. 7. Is aware of their role and the impact of the actions taken on the health and general condition of an individual or entire social groups.

					8. Understands the need for a graduate of dietetics to participate in the promotion of a healthy lifestyle and prevention of lifestyle diseases.
	Genetics	Bachelor	4	DLicII002	The student: 1. Knows and defines elementary terminology appropriate for human genetics. 2. Knows and understands basic genetic phenomena and processes. 3. Has a basic knowledge of the principles of inheritance and the functioning of the human genome. 4. Uses nomenclature appropriate to human genetics. 5. Can critically evaluate the latest achievements in the field of genetics. 6. Is able to independently obtain information and update his/her knowledge with the use of traditional and modern sources of knowledge. 7. Correctly resolves ethical dilemmas resulting from the development of genetics and its application in modern medicine.
	Fundamentals of clinical diagnostics	Bachelor	3	DKLLicII004	The student: 1. Knows and characterizes the basic diagnostic methods used in modern medicine. 2. Knows the symptoms and causes of pathological processes in the tissues and systems of the human body. 3. Has knowledge of the methodology of selecting appropriate diagnostic tests depending on the initial diagnosis and general assessment of the organism. 4. Is able to suggest appropriate diagnostic tests in consultation with a specialist. 5. Is able to make an initial analysis of the results of diagnostic tests and recommend a medical consultation. 6. Is able to cooperate with a specialist at the stage of client diagnostics and at a later stage after the implementation of nutritional therapy. 7. Is able to use the acquired knowledge and skills in the daily work of a clinical dietitian, striving for professionalism. 8. Demonstrates responsibility for the health and psychophysical condition of the client.
	Infectious diseases, food poisoning and nutrition in infectious diseases	Bachelor	3	DSTLicII004	The student: 1. Has elementary knowledge of infectious diseases.

					2. Knows and describes the body's defence mechanisms against the harmful effects of pathogens. 3. Knows the rules of nutritional management appropriate for patients [clients] diagnosed with infectious diseases. 4. Is able to properly develop nutritional plans in specific infectious diseases. 5. Can diagnose the most common nutritional errors in convalescents after an infectious disease. 6. As a dietitian, he/she is actively involved in the prevention of infectious diseases. 7. Understands the need to cooperate with various specialists in order to take care of the client's health. 8. Shows great care for the well-being and health of his/her client.
	Parasitology	Bachelor	4	DLicIII001	The student: 1. Knows and defines elementary terminology appropriate for parasitology. 2. Knows and describes the epidemiology and elementary symptoms of parasitic diseases. 3. Knows the diagnostic methods used in modern parasitology. 4. Uses the nomenclature appropriate for parasitology. 5. Recognizes the most common human parasites on the basis of their structure, life cycle and disease symptoms. 6. Is able to link the action of selected parasites with the clinical symptoms of the client. 7. Understands the meaning of knowledge in the field of parasitology to improve his/her professional competences as a dietitian.
	Dietetics laboratory and diet planning in selected clinical cases	Bachelor	6	DKLLicIII&IV002	The student: 1. Has knowledge in the field of diet planning and the construction of detailed nutritional treatment plans for hospital or outpatient treatment. 2. Has knowledge of the basics of nutritional treatment of children, adults and seniors and the preventive measures taken. 3. Knows the methodology of dietary consultation with a hospitalized patient or a patient during outpatient treatment.

					4. Is able to carry out dietary diagnostics preceding the stage of developing a nutritional treatment plan for hospitalized patients or patients during outpatient treatment. 5. Is able to develop a nutritional treatment plan tailored to the individual needs of patients. 6. Is able to educate his/her clients on making rational food choices. 7. Is able to analyse the effects of the implemented nutritional treatment plan and, if necessary, modify it. 8. Is able to use the available equipment, devices and specialized computer software necessary for the professional work of a clinical dietitian. 9. Can cooperate with medical staff and other people employed in care and treatment centres. 10. Performs the duties entrusted to him/her taking into account the psychophysical condition of his/her patients [clients]. 11. Constantly expands his/her knowledge in the field of medical sciences, necessary to work in care and treatment centres.
	Dietetics laboratory and diet planning	Bachelor	6	DSTLicIII&IV002	The student: 1. Has knowledge in the field of diet planning and the construction of detailed nutritional plans for various customer groups. 2. Has knowledge of the basics of nutrition of children, adults and seniors. 3. Knows the methodology of dietary consultation at all stages of cooperation with the client. 4. Is able to carry out dietary diagnostics preceding the stage of developing a nutritional plan for his/her client. 5. Is able to develop a nutritional plan tailored to the client's needs, as well as taking into account dietary goals. 6. Is able to educate his/her clients on making rational food choices. 7. Can analyse the results achieved by the client and, if necessary, make changes to the current nutritional plan. 8. Is able to use the available equipment, devices and specialized computer software necessary for the professional work of a dietitian. 9. Performs the duties entrusted to him/her with full commitment and responsibility for the health and safety of his/her clients. 10. Cares about his/her high level of substantive preparation for the profession of a dietitian.

	Dietary diagnostics	Bachelor	5	DSTLicIII003	The student: 1. Has elementary knowledge of laboratory diagnostics necessary in the professional work of a dietitian. 2. Understands the importance of the development of modern diagnostic methods to improve the effectiveness of implemented nutritional plans. 3. Knows the rules for interpreting the results of laboratory tests and other diagnostic tests useful in the work of a dietitian. 4. Can explain to the client the rationale for performing laboratory tests and possible medical consultation. 5. Is able to correctly interpret the basic results of laboratory tests and analyses of diagnostic tests. 6. Is able to monitor the effects of the implemented dietary treatment on an ongoing basis. 7. Is able to use the acquired knowledge in dietary practice and in cooperation with a group of specialists. 8. Takes full responsibility for the life and health of his/her client.
	Dietary treatment of non-communicable diseases and food-related diseases	Bachelor	4	DKLLicIII004	The student: 1. Knows and defines the organic, functional and metabolic changes taking place in the body under the influence of a disease and accompanying eating disorders. 2. Understands the importance of nutrition in supporting the process of pharmacological treatment of non-communicable and nutrition-related diseases. 3. Knows the principles of dietary treatment in the case of non-communicable and nutrition-related diseases. 4. Is able to use the acquired knowledge in practice and conduct a detailed nutritional interview of a client undergoing treatment of non-communicable and nutrition-related diseases. 5. Is able to recognize the individual needs of the client and compare them with the goals to be achieved, thanks to which the implemented dietary treatment has an even more effective dimension. 6. Is able to construct individual nutritional plans and recommendations when implementing a specific dietary treatment, depending on the case at hand. 7. Is able to track the progress of the implemented dietary treatment and, if necessary, modify/ improve it.

					8. Understands the need to constantly expand his/her knowledge and professional development. 9. Is aware of his/her own limitations and asks for help from other specialists with the view to the client's well-being and health.
	Psychogenic eating disorders	Bachelor	4	DSTLicIII004	The student: 1. Knows determinants of psychogenic eating disorders. 2. Understands the role of a dietitian in supporting psychological therapy of eating disorders. 3. Knows the principles of treatment and nutritional therapy of psychogenic eating disorders. 4. Is able to use the acquired knowledge in practice and conduct a detailed nutritional interview of a client struggling with psychogenic disorders. 5. Is able to recognize the individual needs of the client and compare them with the goals to be achieved, thanks to which the implemented dietary treatment has an even more effective dimension. 6. Is able to construct individual nutritional plans and recommendations when implementing a specific dietary treatment, depending on the case at hand. 7. Is able to track the progress of the implemented dietary treatment and, if necessary, modify/ improve it. 8. Is aware of the responsibility for the health and safety of his/her clients. 9. In his/her professional work is open to the client's needs.
	Paediatric nutrition	Bachelor	2	DLicIV&V001	The student: 1. Knows the rules of feeding infants, schoolchildren and adolescents. 2. Knows the principles of diet therapy in selected disease entities. 3. Knows the methods of assessing the nutritional status and the manner of recovery in both healthy and sick children. 4. Is able to construct a balanced menu for both healthy and sick children. 5. Can assess the nutritional status and diet for both healthy and sick children. 6. Is able to analyse the influence of nutritional excesses and deficiencies on the proper development and functioning of a child. 7. Is able to cooperate with a specialist in the field of nutrition planning for sick children.

					8. Understands the need to constantly expand his/her knowledge and practical skills in the field of nutrition of infants, children and adolescents. 9. Is guided by the good of the little patient and does not put his/her own ambitions above the life and health of the child, under his/her dietary and nutritional care.
	Nutrition in metabolic diseases and gastroenterology	Bachelor	5	DKLLicIV003	The student: 1. Knows the environmental and genetic conditions of the most common metabolic diseases and diseases of the digestive system. 2. Knows and describes the symptoms, diagnostic methods and methods of treating the most common diseases of the digestive system and metabolic diseases. 3. Understands the importance of a properly selected diet and physical activity in the treatment of metabolic diseases and the digestive system. 4. Is able to conduct a nutritional interview and assess the diet of the sick client. 5. Can explain to the client in detail the justification of the implemented nutritional procedure. 6. Is able to construct nutritional plans for clients diagnosed with metabolic diseases and diseases of the digestive system. 7. Is able to analyse the results of laboratory tests and on their basis assess the risk of implementing a specific nutritional procedure. 8. Is able to use the acquired knowledge and skills in the daily work of a clinical dietitian, striving for professionalism. 9. Cooperates with the medical staff responsible for restoring the health and well-being of the patient.
	Dietary prophylaxis and dietary treatment of diet-related diseases	Bachelor	5	DSTLicIV003	The student: 1. Knows the conditions of the most common diet-related diseases. 2. Knows and describes the symptoms, diagnostic methods and treatment methods of the most common diet-related diseases. 3. Understands the importance of a properly selected diet and physical activity in the treatment of diet-related diseases. 4. Is able to conduct a nutritional interview and assess the client’s eating habits.

					5. Can explain to the client in detail the justification of the implemented nutritional procedure. 6. Is able to construct nutritional plans for clients diagnosed with diet-related diseases. 7. Is able to analyse the results of diagnostic tests and on their basis evaluate the progress of implemented dietary procedures. 8. Shows openness to the needs and problems of the client. 9. Is aware of the need to update his/her knowledge on an ongoing basis.
	Methods for assessing the state of nutrition at home and a hospital	Bachelor	3	DKLLicIV004	The student: 1. Is aware of the common problem of malnutrition in Polish hospitals. 2. Knows and characterizes the available methods of assessing the nutritional status in hospital and home conditions. 3. Is able to assess the nutritional status with the use of available and known methods. 4. Is able to use the equipment appropriate for the selected methods of assessing the state of nutrition. 5. Keeps clinical documentation and correctly interprets the results of available tests and analyses. 6. Demonstrates responsibility for the psychophysical condition of hospitalized patients and patients during outpatient treatment. 7. Works with medical staff involved in caring for a specific group of patients.
	The state of human nutrition with elements of anthropometry	Bachelor	3	DSTLicIV004	The student: 1. Has knowledge of the current nutritional standards of selected populations that are applicable to the assessment of people being underweight, overweight or obese. 2. Knows and characterizes the available methods of assessing the state of human nutrition, including, in particular, anthropometric methods. 3. Is able to assess the diet and nutritional status. 4. Is able to use the equipment appropriate for the selected methods of assessing the state of nutrition. 5. Keeps dietary records of his/her clients. 6. Is aware of the responsibility for the health and safety of his/her clients. 7. Is able to independently and properly organize work in accordance with the ethics of the profession of a dietitian.

	Nutrigenomics	Bachelor	2	DLicV002	The student: 1. Knows and defines elementary terminology appropriate for nutrigenomics. 2. Understands the genetic basis of selected diseases. 3. Understands the influence of selected nutrients on gene expression. 4. Uses nomenclature appropriate for nutrigenomics. 5. Is able to critically assess the latest achievements in the field of nutrigenomics. 6. Is able to independently obtain information and update his/her knowledge using traditional and modern sources of knowledge. 7. Correctly resolves ethical dilemmas resulting from the development of nutrigenomics and its application in modern medicine.
	Obstetrics and gynaecology; nutrition of pregnant and post-partum women	Bachelor	4	DKLLicV003	The student: 1. Understands and describes the influence of a rational and balanced diet on the general condition of a pregnant woman and the foetus, as well as the mother during the postpartum and breastfeeding period. 2. Knows the rules of women's nutrition in the perinatal period. 3. Understands the principles of vitamin and mineral supplementation during pregnancy. 4. Is able to plan nutrition for women during pregnancy, postpartum and breastfeeding period. 5. Is able to calculate the caloric requirements of women during pregnancy, postpartum and breastfeeding period. 6. Can diagnose various types of disorders or deficiencies during pregnancy and take measures to minimize their negative effects on the woman's body and the foetus. 7. Is aware of his/her own limitations and understands the necessity of consulting individual cases with a specialist. 8. Shows concern for the well-being and condition of his/her client.
	Nutrition-related risk factors hazardous to health and life of women of child-bearing age	Bachelor	4	DSTLicV003	The student: 1. Knows and describes nutritional recommendations for women of reproductive age. 2. Understands the importance of a proper diet and lifestyle for female fertility. 3. Understands the principles of vitamin and mineral supplementation in the period of preparation for pregnancy.

					4. Is able to plan nutrition for women of reproductive age. 5. Can calculate the caloric demand of women in the period of preparation for pregnancy. 6. Is able to analyse nutritional risk factors for the health of women of reproductive age. 7. Cares about the health of his/her client, taking into account her nutritional goals and procreation plans. 8. Understands the need for continuous analysis of nutritional trends among women of reproductive age in order to better understand their needs and problems.
	Complementary methods in health promotion	Bachelor	1	DLicVI00	The student: 1. Knows the elementary concept of health promotion and health education. 2. Knows and describes the methods used to promote pro-health behaviour and prevent lifestyle diseases. 3. Can take actions in the field of health promotion. 4. Is able to independently develop an outline of a health promotion scheme, appropriate for the field of study. 5. Actively promotes a healthy lifestyle and explains the benefits of a rational diet and physical activity.