FACULTY OF CHEMICAL TECHNOLOGY					
Department	**Job position**	**Part of FTE**	**Study field**	**Science field**	**Required competences and experience**
Department of Environmental Technology	Associate Professor	1,0	E03 Environmental Engineering	T 004 Environmental Engineering	**Doctor of Science in:** the field of Environmental Engineering and Landscaping or Environmental Engineering. **Pedagogical experience:** at least 10 years of pedagogical experience in the fields of environmental economics and law, sustainability management and law, pollution prevention and management, climate change, sustainable development. Published at least 5 papers in the publications of the Web of Science international database with an impact factor within the last 5 years. **Experience of giving lectures in the specified languages:** Lithuanian and English language. **Experience of supervision of the students' theses:** theses of the students of the first and second study cycle. **Experience of research activities:** participation in the preparation and implementation of national and international research projects in the area of environmental engineering. Supervision of international study projects in the area of environmental protection, circular economy. **Knowledge of specific technologies:** knowledge of carbon dioxide reduction technologies, use of pollution measurement and control technologies in combustion processes, assessment of indoor air quality, life cycle analysis in the environmental assessment of products and processes. **Additional required experience and competences:** experience in promotion of science and studies.
Department of Environmental Technology	Chief Researcher	0,5	E03 Environmental Engineering	T 004 Environmental Engineering	**Doctor of Science in:** the field of Chemistry. **Pedagogical experience:** in the areas of modelling of environmental processes and technologies, physical environment pollution, environmental monitoring. Published at least 20 papers in the publications of the Web of Science international database with an impact factor within the last 5 years. **Experience of giving lectures in the specified languages:** Lithuanian and English language. **Experience of supervision of the students' theses:** theses of the students of the first and second study cycle. Experience of supervision of the Doctoral students. **Experience of research activities:** experience of participation in the preparation of the proposals for external financing for tenders at the international (H2020, LIFE+, Baltic Research programme) and national (high level R&D (SMART), scientist group projects (MIP), other EU CF projects) in the field of Environmental Engineering. Participation in the activities of international, national and outsourced research work (third party orders) focused on the research of indoor and ambient air pollution/management. Experience of project management. Experience of implementation of the projects ordered by business, experience of expert activities. Knowledge of environmental impact of combustion processes, design and optimisation of abatement equipment, assessment of environmental quality. Knowledge of advance oxidation and electrospinning technologies. Participation in the activities of international organisations (for example, International Society of Indoor Air Quality and Climate (ISIAQ), Nordic Society for Aerosol Research (NOSA). **Work experience with specific equipment:** work with aerosol particle measurement equipment (ELPI, SMPS, etc.), work with statistical software (SPSS, ADMS, Modde, Statistica, SigmaPlot, etc.); gas chromatography and mass spectrometry, liquid chromatography mass spectrometry. **Additional required experience and competences:** entrepreneurial competences. Flexibility in cooperation with business representatives, independence in preparation of project proposals, management and generation of ideas. Experience in science promotion.

Department of Environmental Technology	Chief Researcher	0,5	E03 Environmental Engineering	T 004 Environmental Engineering	**Doctor of Science in:** the field of Environmental Engineering. **Pedagogical experience:** Toxicology and risk assessment, Physical environment pollution, Semester project in the areas of Modelling of Environmental processes and Technologies. Published at least 20 papers in the publications of the Web of Science international database with an impact factor within the last 5 years. **Experience of giving lectures in the specified languages:** Lithuanian and English language. **Experience of supervision of the students' theses:** Theses of the students of the first and second study cycle. **Experience of research activities:** experience of participation in the preparation of the proposals for external financing for tenders at the international (H2020, LIFE+, Baltic Research programme) and national (high level R&D (SMART), scientist group projects (MIP), other EU CF projects) in the field of Environmental Engineering. Participation in the activities of international, national and outsourced research work (third party orders) focused on the research of indoor and ambient air pollution/management. Participation in the activities of international organisations (for example, International Society of Indoor Air Quality and Climate (ISIAQ), Nordic Society for Aerosol Research (NOSA), Association of European Science and Technology Transfer Professionals (ASTP)). Expert activities in assessment of research-business project proposals (for example, assessment of the proposals for financing programmes of the Agency for Science, Innovation and Technology (MITA)). **Knowledge of specific technologies:** technologies for characterisation of indoor and ambient air, air pollution (aerosol particles and gaseous pollutants) analysis methods, sensor-based quality control of indoor air, advance technologies for reduction of air pollution (advance oxidation, nanofiber filtration, etc.). **Work experience with specific equipment:** work with aerosol particle measurement equipment (ELPI, SMPS, etc.), preparation of samples for chromatography analysis, work with statistical software (SPSS, ADMS, Modde, Statistica, SigmaPlot, etc.). **Additional required experience and competences:** experience in commercialisation of technologies, patenting of inventions and preparation of proposals for research-business financing programmes (competitions initiated by the LVPA, MITA and CPVA). Experience of science promotion.
Department of Polymer Chemistry and Technology	Associate Professor	0,5	C01 Chemistry, E11 Chemical Engineering, F02 Polymer and Textile technologies	T005 Chemical Engineering	**Doctor of Science in:** the field of Chemistry. **Pedagogical experience:** at least 10 years of pedagogical experience teaching the modules related to textile chemistry and technology, materials science, polymer chemistry and technology. **Experience of research activities:** at least 10 years of experience of research activities in modification and research of properties of biopolymers and their use in development of added-value products. **Experience of supervision of the students' theses:** theses of the students of the first and second study cycle. Experience of supervision of the Doctoral students. **Additional required experience and competences:** experience of management and implementation of international and national research projects.
Department of Polymer Chemistry and Technology	Senior Researcher	1,0	-	T005 Chemical Engineering	**Doctor of Science in:** the field of Chemistry or Chemical Engineering. **Pedagogical experience:** teaching the modules related to polymer materials, polymer chemistry and technology. **Experience of research activities:** at least 10 years of research experience in the area of synthesis of organic semiconductors and analysis of their properties. **Experience of supervision of the students' theses:** Theses of the students of the first and second study cycle. Experience of supervision of the Doctoral students. **Additional required experience and competences:** experience of management, implementation and administration of international and national research projects.

Department of Polymer Chemistry and Technology	Chief Researcher	0,75	-	T005 Chemical Engineering	**Doctor of Science in:** the field of Technologies. **Pedagogical experience:** teaching the modules related to functional and organic optoelectronic materials. **Experience of research activities:** at least 10 years of research experience in the area of synthesis of organic semiconductors and analysis of their properties, and thin film casting and vacuum evaporation technologies. **Experience of supervision of the students' theses:** Theses of the students of the first and second study cycle. Experience of supervision of the Doctoral students. **Additional required experience and competences:** experience of management and implementation of international and national research projects.
Department of Physical and Inorganic Chemistry	Lecturer	1	C01 Chemistry, E11 Chemical Engineering	N003 Chemistry, T 005 Chemical Engineering	**Doctor of Science in:** the field of Chemistry. **Pedagogical experience:** in the areas of physical chemistry, chemical reaction engineering, design of chemical engineering processes, fundamentals of the design of biotechnical processes. **Experience of giving lectures in the English languages:** subjects of physical chemistry and chemical reaction engineering. **Experience of research activities:** in preparation of the proposals for external financing for tenders. **Work experience with specific equipment:** work experience with software Aspen PLUS and Aspen HYSYS. **Knowledge of specific technologies:** in the areas of electrochemistry and catalysis. **Additional required experience and competences:** research experience in synthesis of metal-oxide-semiconductors, improvement of their properties using various additives and photo(electro)catalytic activity.
Department of Food Science and Technology	Associate Professor	0,25	F06 Food Technologies, F05 Biotechnologies	T005 Chemical Engineering	**Doctor of Science in:** the field of Applied Biosciences or Chemical Engineering. **Pedagogical experience:** at least 2 years of pedagogical experience in the following areas: higher food chemistry, functional foods and food supplements. **Experience of supervision of the students' theses:** Theses of the students of the first and second study cycle. **Experience of research activities:** experience of project implementation in the areas of complex processing of algae and vegetable raw materials into high-value functional components applying the concept of biorefineries for the extraction and fractionation of components. Experience of preparation of the proposals for external financing for tenders. **Knowledge of specific technologies:** knowledge of biorefinery technologies, algae cultivation and biotechnologies. **Additional required experience and competences:** analysis of biologically active compounds applying the methods of liquid and gas chromatography, contemporary extraction methods.
Department of Food Science and Technology	Lecturer	1,0	F06 Food Technologies	T005 Chemical Engineering	**Doctor of Science in:** the field of Chemical Engineering. **Pedagogical experience:** at least 5 years of pedagogical experience in the following areas: food microbiology, hygiene and sanitation. **Experience of supervision of the students' theses:** theses of the students of the first study cycle. **Experience of research activities:** in the areas of research of microbiological control of food raw materials and foods, research of growth inhibitors in antimicrobial and other microorganisms, experience of implementation of the orders by third parties. Knowledge of statistical data analysis using SPSS. **Additional required experience and competences:** organisation and performance of microbiological tests, application of turbidimetric method using microplates. Experience in promotion or science and studies.