

FACULTY OF CHEMICAL TECHNOLOGY

Department	Job position	Part of FTE	Study field	Science field	Required competences and experience
Department of Food Science and Technology	Associate Professor	1,0	F06 Food Technologies	T005 Chemical Engineering	<p>Doctor of Science in the field of Chemical Engineering.</p> <p>Pedagogical experience: in the areas of food safety and quality management, nutrition, sugar and starch products sciences and technologies.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English language.</p> <p>Experience of supervision of the students' theses: theses of the first and second cycle studies.</p> <p>Experience of research activities: in the areas of development of foods with increased nutritional value, identification of metabolites formed during digestion. Experience of preparation of the proposals for external funding for tenders. Knowledge of enrichment of the foods with vitamins, production of sugar and starch syrups technologies.</p> <p>Work experience with specific equipment: liquid chromatography with DMD, ELSD, MS/MS detectors, in the areas of preparative separation with gel filtration columns.</p> <p>Additional required experience and competences: preparation of samples for chromatography and spectrometry analysis, fundamentals of the work with the simulator of the human intestinal microbial ecosystem (SHIME).</p>
Department of Physical and Inorganic Chemistry	Associate Professor	1,0	C01 Chemistry, E11 Chemical Engineering	N003 Chemistry, T005 Chemical Engineering	<p>Doctor of Science in the field of Chemistry or Chemical Engineering.</p> <p>Pedagogical experience: at least 5 years of pedagogical experience in the areas of physical chemistry, physical and colloid chemistry, chemical reaction engineering, chemical kinetics and catalysis.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English languages.</p> <p>Experience of supervision of the students' theses: theses of the first and second cycle studies.</p> <p>Experience of research activities: in the area of the synthesis of metal oxide semiconductors, improvement of their properties using various additives; research of photo-, electrocatalytic activity; experience of the implementation of international (COST) and national research projects, experience of preparation of project proposals by the international and national scientist teams for tenders. Participation in the activities of international organisations.</p> <p>Work experience with specific software: Aspen PLUS experience; knowledge of specific technologies in the areas of electrochemistry and catalysis.</p> <p>Additional required experience and competences: knowledge of the English language at level C1.</p>

Department of Physical and Inorganic Chemistry	Lecturer	1,0	C01 Chemistry	N003 Chemistry, T005 Chemical Engineering	<p>Scientific degree: Master's degree in the field of Chemistry. Advantage: Doctor of Science in the field of Chemistry or Chemical Engineering.</p> <p>Pedagogical experience: in the area of general chemistry.</p> <p>Experience of giving lectures in the following languages: Lithuanian language.</p> <p>Experience of research activities: in the area of the synthesis of metal oxide semiconductors, improvement of their properties using various additives; research of photo-, electrocatalytic activity; experience of preparation of the proposals for external funding for tenders. Participation in the activities of international organisations.</p> <p>Knowledge of specific technologies in the areas of: in the areas of electrochemistry, metal corrosion and microbial fuel elements.</p> <p>Work experience with specific equipment: with analytical equipment Potenciostat/Galvonastat BioLogic SP- 150.</p> <p>Additional required experience and competences: experience of work with pupils.</p>
Department of Physical and Inorganic Chemistry	Lecturer	1,0	C01 Chemistry	N003 Chemistry	<p>Scientific degree: Master's degree in the field of Chemistry. Advantage: Doctor of Science in the field of Chemistry.</p> <p>Pedagogical experience: in the areas of physical chemistry, electrochemistry.</p> <p>Experience of giving lectures in the following languages: Lithuanian language.</p> <p>Experience of research activities: in the areas of electrochemical synthesis of inorganic oxide coatings, electrocatalysis, electrolysis of water and electrochemical energy accumulators. Experience of research activities in preparation of the proposals for external funding for tenders and participation in project activities.</p> <p>Knowledge of specific technologies in the areas of: work experience with Gaussian Gaussview software.</p> <p>Additional required experience and competences: knowledge of the English language at least at level B2.</p>
Department of Environmental Technology	Associate Professor	1,0	E03 Environmental Engineering, F05 Biotechnologies J08 Public Security	T004 Technological Sciences/ Environmental Engineering	<p>Doctor of Science: in the field of Environmental Engineering.</p> <p>Pedagogical experience: teach the modules related to environmental and industrial biotechnology, physical environmental pollution, sustainability applying advanced didactic methods.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English language.</p> <p>Experience of supervision of the students' theses: Theses of the first and second cycle studies.</p> <p>Experience of research activities: in the areas of research and development of advanced environmental technologies, cleaning technologies for polluted water.</p> <p>Knowledge of specific technologies in the areas of: in the areas of environmental biotechnologies, computer-aided modelling, research of the cleaning technologies for polluted water.</p> <p>Work experience with specific equipment: UV/Vis spectrometer, total organic carbon analyser, solid phase extraction system.</p> <p>Additional required experience and competences: experience of implementation of national and international projects, development of environmental technologies.</p>

Department of Silicate Technology	Lecturer	1,0	E11 Chemical Engineering	T005 Technological Sciences / Chemical Engineering	<p>Scientific degree: Master's degree in the field of Chemical Engineering.</p> <p>Pedagogical experience: teaching the modules related to design of the food industry enterprises, design and modelling of processes applying advanced didactic methods.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English language.</p> <p>Experience of research activities: participation in R&D activities, researching and utilising technogenic waste (production of sulphuric acid, granite processing, etc.). At least 3 publications in the last 4 years in the indexed publications (Q1/Q2) with an impact factor of Web of Science database.</p> <p>Work experience with specific equipment: work experience with MS Visio, ASPEN Hysis, control of optical (stereo, compound light) microscopes using ZEN software.</p> <p>Additional required experience and competences: experience of promotion of science and studies.</p>
Department of Polymer Chemistry and Technology	Lecturer	0,5	C01 Chemistry, E11 Chemical Engineering, F02 Polymer and Textile Technologies	T005 Chemical Engineering	<p>Scientific degree: Master's degree in the field of Chemical Engineering. Advantage: Doctor of Science in the field of Chemistry or Materials Engineering.</p> <p>Pedagogical experience: teaching the modules related to polymer materials science, biopolymers, plastics and elastomers, organic optoelectronic materials.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English language.</p> <p>Experience of supervision of the students' theses: theses of the first and second cycle studies, mentorship, experience of consulting Doctoral students.</p> <p>Experience of research activities: in the area of synthesis and research of organic small molecule and polymer electroactive compounds applying theoretical and experimental methods a traineeship at a foreign research institution.</p> <p>Knowledge of specific technologies in the areas of: synthesis of organic compounds, computer-aided modelling, research of electrochemistry and luminescence processes.</p> <p>Work experience with specific equipment: FTIR and fluorescent spectrometers, UV/Vis spectrometer.</p> <p>Additional required experience and competences: experience of the management of institutional projects, implementation and administration of national and international projects. Experience of preparation of patent applications.</p>
Department of Polymer Chemistry and Technology	Lecturer	0,25	C01 Chemistry, E11 Chemical Engineering	T005 Chemical Engineering	<p>Scientific degree: Master's degree in the field of Chemistry. Advantage Doctor of Science in the field of Chemistry or Materials Engineering.</p> <p>Pedagogical experience: teaching the modules related to paper technology and polymer chemistry.</p> <p>Experience of giving lectures in the following languages: Lithuanian and English language.</p> <p>Experience of supervision of the students' theses: theses of the first and second cycle studies. Experience of research activities: conducting the synthesis of organic semiconductors and research of their properties; a traineeship at a foreign research institution.</p> <p>Knowledge of specific technologies in the areas of: technologies of production and recycling of paper.</p> <p>Additional required experience and competences: participation in international and national project activities.</p>

Department of Organic Chemistry	Associate Professor	0,5	C01 Chemistry	N003 Chemistry	<p>Doctor of Science: in the field of Chemical Sciences.</p> <p>Pedagogical experience: at least 5 years of pedagogical work experience teaching the modules related to organic chemistry. At least 5 years of research work experience in the areas of the synthesis of organic compounds and identification of their structure and properties.</p> <p>Experience of supervision of the students' theses: final degree projects of the students of the first and second cycle studies under the study programmes of the field of chemistry.</p> <p>Additional required experience and competences: work experience with LC/MS system.</p>
Institute of Synthetic Chemistry	Researcher	0,5	-	N003 Chemistry	<p>Doctor of Science: Chemistry.</p> <p>Experience of research activities: at least 5 years of research work experience in the area of the research of heterocyclic compounds, amino acids, peptide synthesis and their properties. Experience of the implementation of research projects in the area of the synthesis of organic compounds.</p> <p>Experience of supervision of the students' theses: students' final degree projects.</p> <p>Knowledge of specific technologies in the areas of: chromatographic separation of chiral compounds using liquid chromatography with chiral columns, knowledge of work with a nanosecond laser.</p> <p>Additional required experience and competences: know how to work with LS-MS chromatography system; know how to use IR and UV/VIS spectrometers.</p>