

## STUDY PROGRAMME DATA

No	Parameters	Data
1.	Name of a study programme	<b>Construction Engineering</b>
2.	Qualification to be awarded, code	Professional Bachelor of Engineering Sciences, KVALLAIP00811
3.	Institution that has performed accreditation, accreditation term	Centre for Quality Assessment in Higher Education
4.	Accreditation order, term	2017-05-17, Nr. SV 6-14, 2023-08-31
5.	Place of delivery of a study programme	Klaipeda State University of Applied Science, code 111968056, www.kvk.lt
6.	Summary of Profile of a Study Programme	<b>General Description:</b>
		<b><i>Objective(s) of a study programme:</i></b>
		The aim of Professional Bachelor study programme of Construction Engineering is to prepare highly qualified construction engineers, who are able to assess the building materials, product characteristics, field of application and modern construction technologies and who are able to use the most advanced design and modeling systems of construction information as well as organizing of construction works and preparation of estimated outlay documentation.
		<b><i>Learning outcomes:</i></b>
		The graduate of Construction Engineering programme will be able to: 1. Know and apply common patterns and laws of natural sciences and mathematics in civil engineering. 2. Know, understand and apply the key concepts of the study field of civil engineering. 3. Analyze problems related to construction activity by planning their solution strategies. 4. Interpret the processed data to solve the problems of innovation in construction. 5. Collect independently, analyze, process and interpret data necessary problem solving in implementing innovations in the area of construction. 6. Recognize and apply professional solutions in order to achieve balance in terms of costs, benefit, safety, quality, reliability, suitability for use and environmental impact. 7. Find and interpret professional information in databases and scientific and engineering information sources. 8. Conduct experiments by using laboratory equipment, process and produce practical conclusions on the findings in the area of civil engineering. 9. Prepare the structural part of a project and choose

		<p>optimum construction methods taking into consideration the construction environment, aesthetic and architectural aspects, economic factors and anticipated maintenance conditions.</p> <p>10. Apply of International, European and Lithuanian regulatory technical construction documents and standards in the designing of buildings and construction process.</p> <p>11. Plan and organize of the construction process, while ensuring quality of works and environmental and human safety.</p> <p>12. Use of information technology and basic software, employment of applications in the designing of buildings and preparation of estimate documentation.</p> <p>13. Apply creative, innovative and reasonable thinking, ability to solve problems of civil engineering and handle issues individually and in a team.</p> <p>14. Know the key processes of construction project implementation and management, planning and organisation of activities of a construction company/subsidiary.</p> <p><b><i>Activities of teaching and learning:</i></b></p> <p>The Construction Engineering study programme is oriented to the development of generic and specialist competences and creativity: lectures, seminars, discussions, individual and group projects, practice, case studies, public presentation and defense of projects, mind-maps, problem - solving reading, writing articles, information search and systematizing, etc.</p> <p><b><i>Methods of student achievement assessment:</i></b></p> <p>The assessment of the learning outcomes of the study programme is carried out during the semester and the examination session applying a cumulative assessment system. During the semester, the learning outcomes are assessed by means of interim assignments: tests, individual and group projects, case studies, information search and systematizing, discussions, essays, independent creative tasks, seminars, term papers, practice reports, examinations, final projects and / or qualifying exams.</p> <p><b><i>Framework:</i></b></p> <p><b><i>Study subjects (modules), practical training:</i></b></p> <p>Study subjects (121 credits): Professional Communication, Applied Research Methodology, Foreign Language (English, Russian),Basics of Management, Construction Materials, Applied Chemistry, Engineering and Special Graphics, Applied Mechanics, Environmental and Human</p>
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Name of institution: Klaipeda State University of Applied Sciences

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