STUDY PROGRAMME DATA

No	Parameters	Data
1.	Name of a study programme	**Mechanical Engineering**
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	2019-06-05, Nr. SV 6-15, 2020-08-31
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	**General Description:**
		Objective(s) of a study programme:
		The objective of Mechanical engineering study programme is to prepare high-qualified competitive mechanical engineers who are able to solve complex problems of technological equipment and mechatronic systems, design, modernization and maintenance.
		Learning outcomes:
		The graduate of the programme: 1. Knows the general laws and laws of life sciences and mathematics required to understand the fundamentals in the field of electrical and electronic engineering. 2. Understands the fundamental theoretical and applied foundations and concepts of mechanical engineering. 3. Understands the context of adjacent study fields and their solutions. 4. Is able to analyze mechanical engineering problems independently, analyze engineering tasks, build, upgrade and operate equipment. 5. Is able to analyze the sources of engineering information by designing, modernizing, manufacturing and managing, making motivated decisions, testing and operating the equipment. 6. Is able to design mechanical and mechatronic systems by selecting standard mechanical, electronic and other elements using computerized information systems. 7. Is able to conduct experimental and applied research using laboratory and software and formulate conclusions. 8. Is able to organize maintenance of mechanisms and machines, taking into account quality, environment and fire safety requirements. 9. Is able to solve mechanical engineering tasks by developing tools and equipment to implement these solutions. 10. Is able to make creative and responsible

		engineering decisions both independently and in a team, taking into account their impact on society and the environment, respecting professional ethics and engineering standards, informing the engineering community and the general public. 11. Is able to plan, organize a learning process independently, learn and advance in one‘s personal life and chosen career.
		Activities of teaching and learning:
		Mechanical 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.
		Methods of student achievement assessment:
		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.
		Framework:
		Study subjects (modules), practical training:
		Study subjects (126 credits): Professional Communication, Professional Foreign Language, Basics of Management, Applied Research Methodology, Economics, Project Management, Physics, Informatics, Materials Science, Theoretical Mechanics, Mathematics, Engineering and Computer Graphics, Environmental and Human Safety, Materials Strength, Electrical Engineering and Electronics, Technical Thermodynamics, Measurements, Machine Elements and Mechanisms, Pneumatic Actuators, Hydraulic Machines, Material Manufacturing Processes, Robotics, Technological Equipment, Electrical Drives, Automation of Technological Systems, Sensors, Technological Transport, Robotic Cells, Programmable Logic Controllers, Robot Programming, Computer-aided Manufacturing Design, Technical Maintenance of Equipment. Optional subjects (6 credits). Practice (36 credits): Practical Training in Computer-Aided Design, Engineering Activity Internship 1, Engineering Activity Internship, Final

		Practice. Graduation Paper (12 credits).
		Specializations:
		-
		Optional courses:
		It is possible: - to select optional subjects; - to select alternative subjects.
		Distinctive features of a study programme:
		The study programme provides the opportunity to independently supervise, design, develop, construct mechanical, electromechanical and robot systems. During studies they acquire ability to use spatial design systems, programming and maintain of mechatronic system controllers and CNC equipment. The study programme focuses on acquiring practical skills to ensure high operation quality of production and technological processes.
		Access to professional activity or further study:
		Access to professional activity:
		Mechanical engineering study programme graduates work as mechanical, electromechanical, robotic and automated mechanical systems operators, technicians, engineers, and designers. After acquiring experience, graduates will be able to take lead work or set up their own businesses and create jobs.
		Access to further study:
		Access to the second cycle studies upon meeting requirements set by the accepting higher education institution.

Name of institution: Klaipeda State University of Applied Sciences
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