

STUDY PROGRAMME DATA

No	Parameters	Data
1.	Name of a study programme	Informatics Engineering
2.	Qualification to be awarded, code	Professional Bachelor of Computing, KVALLAIP00814
3.	Institution that has performed accreditation, accreditation term	Centre for Quality Assessment in Higher Education
4.	Accreditation order, term	2016-07-05, Nr. SV 6-32, 2020-06-30
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:
		<i>Objective(s) of a study programme:</i>
		To train highly qualified informatics engineering specialists who develop, implement and support engineering computer, remote control and monitoring systems, software tools and cloud computing and Internet of Things solutions; integrating, installing and administering hardware and computer networks.
		<i>Learning outcomes:</i>
		The graduate of the programme: 1. Characterizes the basic concepts and concepts of the field of informatics engineering. 2. Defines the theoretical principles underpinning new technologies. 3. Understands the scope of informatics engineering, the complexity of problems, and chooses the methods of their solutions. 4. Identifies problems in the field of informatics engineering, performs systematic engineering analysis and chooses the appropriate research methodology. 5. Plans and conducts applied research, experimental development using advanced technology knowledge. 6. Develops, installs, and maintains engineering computer, remote control and monitoring systems, and software tools, by selecting appropriate equipment, tools, and techniques. 7. Designs and implements management and monitoring systems using knowledge of signal processing, electrical engineering, electronics and hardware design and programming. 8. Applies software lifecycle stages methodologies to support or integrate application systems. 9. Integrates, installs, and administrates hardware, software, and computer networks by evaluating the peculiarities of architecture and software in computer systems. 10. It solves the challenges of the applied fields by

		<p>evaluating the technological, economic, social and legal context.</p> <p>11. Applies IT project management practices by working individually and in a team, communicating with colleagues and other stakeholders.</p> <p>12. Uses self-study skills needed for continuous professional development.</p> <hr/> <p><i>Activities of teaching and learning:</i></p> <p>Informatics 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> <hr/> <p><i>Methods of student achievement assessment:</i></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.</p> <hr/> <p><i>Framework:</i></p> <hr/> <p><i>Study subjects (modules), practical training:</i></p> <p>Study subjects (126 credits): Circuit Theory and Electronics, Numerical Methods in Engineering, Engineering and Computer Graphics, Professional Communication, Fundamentals of Management, Methodology of Applied Research, Psychology, Professional Foreign Language, Mathematics, Probability Theory and Mathematical Statistics, Physics, Computer Architecture and Operating Systems, Computer Hardware Systems, Computer Networks, Network and Server Management, Computer Workstations and Network Administration, Information Security, Introduction to Programming, Database Basics, Web Technologies, System Engineering, Application Programming, Digital Logic and Microcircuits, Signal Processing, Microcontrollers, Data structures/Developing of Graphic User Interface/ Smart device technologies, Cloud computing</p> <p>Optional subjects (6 credits).</p> <p>Professional Practice (36 credits): Systems deployment and maintenance practices, IT systems practice, Systems Design Practice, Final Practice.</p> <p>Graduation Paper (12 credits).</p>
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Name of institution: Klaipėda State University of Applied Sciences

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Data updated: 2021-02-24