

STUDY PROGRAMME. INFORMATICS (English)

Parameters	
Name of a study programme	Informatics
Language of instruction of a study programme	Lithuanian
Qualification to be awarded	Professional Bachelor's Degree in Informatics
Place of delivery of a study programme	Klaipeda
Institution that has carried out assessment, year	Centre for Quality Assessment in Higher Education, 2013
Institution that has performed accreditation, accreditation term	Centre for Quality Assessment in Higher Education, 30 June 2019
Order on accreditation	No. SV6-43 of 13 June 2013
Summary of the Profile of a Study Programme	General Description:
	Objective(s) of a study programme:
	<ul style="list-style-type: none"> • To train high qualified computer science specialists with college education who are able to individually and in teams design and develop new and modify existent software (in Java, PHP, etc. languages), to carry out hardware maintenance tasks, administer local computer networks, to provide advisory services. • to develop general skills of the students and civil values necessary for further professional activities, professional improvement and continuous studies.
	Learning outcomes:
	<p>Graduates will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate knowledge and understanding of basic computer science field and its necessary concepts and definitions. 2. Demonstrate comprehension of theoretical principles on which new technologies are based. 3. Demonstrate knowledge and understanding of the scope of informatics, complexity of the tasks, and select methods for their solution. 4. Analyze the processes of the application field which is subject to computerization, conceptualize and analyze the phenomena, describe in terms of quality and quantity and evaluate, select modelling methods and tools. 5. Select the appropriate tool (computer hardware, software, etc.) for logical thinking formation, formalization of tasks and solutions, mathematical calculations, describing them at an abstract and application level. 6. Use the software life models in creating new software systems and modules or in performing the maintenance of existing software systems. 7. Perform information search in information sources and analysis, seeking to combine theory with practice for

	<p>carrying out computing tasks.</p> <p>8. Demonstrate knowledge of promising technologies and their application specifics in designing, performing practical research and implementing experimental development.</p> <p>9. Use the learning skills necessary for continuous professional improvement through life-long learning.</p> <p>10. Solve tasks in the field of application, estimating technological, economic, social and legal context.</p> <p>11. Apply practices of projects, risk and change management, working individually and in teams, communicating with colleagues and external stakeholders.</p>
	<p>Activities of teaching and learning:</p> <p>The passive, active and interactive, student-centered teaching and learning methods based on fundamental knowledge of Informatics and on the latest developments in computer science are applied, effectively using existing possibilities and the equipment.</p>
	<p>Methods of assessment of learning achievements:</p> <p>Accumulative grading strategy is applied in the assessment of student learning achievements. Course learning outcomes are estimated during the semester through the passed tests, practical, laboratory, self-study work and other. The final assessment for the course consists of the Weighted average marks (WAM) obtained during the mid-assessments and the examination / term paper.</p>
	<p>Framework:</p> <p>Study subjects (modules), practical training:</p> <p>Workload of general education – 24 credits. Workload of the study field – 147 credits:</p> <ul style="list-style-type: none"> • Databases, Modern Databases (optional subject), Information Systems; • Algorithms and Data Structures, Object-Oriented Programming, Software Systems Engineering (optional subject), Floppy Creation of Program Systems (optional subject), Dynamic Data Structures, Programming C++ (optional subject); • Computer-Aided Graphics, WEB Technologies, Dynamic Websites (optional subject), Practical Training in Website Design; • Computer Architecture, Computer Networks, Computer Technical System Equipment, Practical Training in Computer Systems.
	<p>Specialisations:</p> <p>-</p>
	<p>Optional courses:</p> <p>Optional subjects of general education consists of 3</p>

	<p>credits, optional subjects of the study field consists of 18 credits.</p> <p>Distinctive features of a study programme:</p> <p>The study program develops professional competencies related to the Java programming language (25 credits).</p> <p><i>Access to professional activity or further study:</i></p> <p>Access to professional activity:</p> <p>Graduate will be able to work in manufacturing and other types of businesses as well as in culture, education, state governance and defense structures, specializing in the development of computer programs and / or in the maintenance of local area networks, hardware and software. Professional Bachelors in Informatics are required at the enterprises providing programming and computer system maintenance services. They also can work in large corporate IT departments as the heads and employees, in medium-size businesses can work as the employees responsible for computer systems maintenance and can set up their own business without large investment.</p> <p>Access to further study:</p> <p>Graduate may seek for assessment of the learning outcomes if they want to pursue in accordance with the programmes of the first study cycle. Having completed supplementary studies or accomplished other requirements established by the higher education institution, the graduate is entitled to enroll in the second study cycle Master's studies at Vilnius Gediminas University, Klaipeda University and Vytautas Magnus University.</p>
Data provided or updated (date)	15 September 2014