

Informatics master studies program at Vilnius University

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Informatics master studies program in Informatics at Vilnius University was introduced in 1995 when former single level 5 years university studies were transformed into two levels – undergraduate 4 years study program leading to an Informatics Bachelor degree and graduate 2 years studies program leading to an Informatics Master degree.

The master studies program takes up 80 credits. One credit is equal to 1 hour of lecture per week per semester or 1 student's workweek. Also one credit is equal to 1.5 ECTS credits. All studies are comprised of 4 semesters. Thus every semester has 20 credits. Every subject is estimated by some quantity of credits. Students should master all subjects.

Admission requirements: at least first level studies leading with bachelor diploma are required. The general criterion for admission is to pass entry exam covering main topics of Informatics bachelor degree study program.

Examination and assessment regulations: the main form of evaluation is an examination. However, courses units may be evaluated by the pass/fail evaluation as well. Every course unit is concluded with either a written or written – oral examination or pass/fail evaluation. Student's knowledge and general performance during the exam are evaluated using grading scale from 1 (very poor) to 10 (excellent), or by pass or fail evaluation in the cases when pass/fail evaluation is foreseen as a final evaluation of the course unit.

Learning outcomes and aims of the programme: the objective of the programme is preparation of highly qualified IT professionals that are capable to perform research tasks, to continue their PhD studies at Lithuanian and foreign universities and also could carry out software development and maintenance projects and could successfully compete for IT workplaces in the Lithuanian and foreign enterprises.

Competences developed: having completed Informatics programme, a graduate has acquired sufficient knowledge in the field, is capable to clarify application area processes and to create their models, he/she gets professional competence to carry out information technology complex systems development work.

Professional status: a graduate can work as an analyst, designer and programmer, and after getting more experience as a team leader and project manager in the private or public sectors or manage maintenance of system software and applications.

Studies are finished by Master thesis. Master thesis preparation lasts during all studies period and takes 40 % of the studies credits. First semester is devoted to the search of thesis subject. During the second semester students prepare the literature survey in master thesis subject area. In the third semester students perform project work as a feasibility study to validate the thesis subject. Fourth semester is devoted completely to Master thesis preparation.

Yearly enrolment to the Informatics master studies program is 60 students while yearly enrolment to the Informatics bachelor studies program is 300 students.

In addition to the Informatics master studies program the same faculty of Mathematics and informatics has introduced Computer modelling master studies program leading to a Master degree in Informatics in 2002.

Since the year 2006/2007 Software Engineering master studies program leading to a Master degree in Informatics should be launched to ensure the possibility of master studies for future 125 undergraduates in Software Engineering that are third year students currently.