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UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN



FACULTAD DE INGENIERÍA MECÁNICA Y ELÉCTRICA

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REVIEW

on the educational and professional program "System Analysis and Control"
for the second (master's) level of higher education
in the specialty 124 System Analysis
area of expertise 12 Information technology
Kharkiv National University of Radio Electronics

Educational and professional program "System Analysis and Control" for the preparation of candidates for the second (master's) level of higher education in the specialty 124 System analysis of the field of knowledge 12 Information technologies were developed at the Department of Applied Mathematics of the Kharkiv National University of Radio Electronics. The educational and professional program is based on the results of modern research in the field of system analysis and is aimed at current aspects of the specialty, within which a further professional career is possible.

The educational program is aimed at training highly qualified specialists in: a) developing and applying methods and tools of system analysis for predicting behavior; b) building and controlling complex systems; c) designing decision support systems that allowing effectively solve innovative problems at a high professional level.

The educational program employs the curriculum of such subjects as "Information systems and technologies in system analysis", "Optimal stochastic control", "IT project management", "Intelligent decision support systems", "Intelligent data analysis", "Applied problems and methods of system analysis", "Artificial intelligence systems", as well as through professional practice and qualification work. In addition, the educational program involves the opportunity to deep the candidate's knowledge in specific sections of system analysis due to optional disciplines providing an individual educational trajectory. In total, the volume of the educational program is 90 ECTS credits, 67 ECTS credits of which are for compulsory components and 23 ECTS credits are for optional components.

The program is focused on developing a specialist capable for modeling, predicting, and designing complex systems and processes based on methods and tools of system analysis, as well as applying the theory and methods of Data Mining to identify new properties and create new knowledge about complex systems.

I think that the educational program is relevant, meets the state-of-the-art request of training specialists in system analysis and, if successfully completed, is the start for a productive professional career, including at the international level, as well as a prerequisite for continuing education in postgraduate program.

Consequently, the educational and professional program "System Analysis and Control" for candidates of the second (master's) level of higher education in the specialty 124 System analysis of the area of expertise 12 Information technology fully meets the current requirements and can be recommended for training the applicants of the specified level.

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