

Annotation of the educational program. 27.03.03

SYSTEM ANALYSIS AND MANAGEMENT

«System Analysis and Life Cycle Management»

The field of professional activity of graduates who have mastered the undergraduate program "System Analysis and Management" includes the field of technology, which requires design and operation using the principles, methods, methods and means of human activity based on system analysis, management, modeling, production and operation of technical systems , objects, instruments and devices for various purposes.

The objects of professional activity of graduates are system-analytical, information-management, design and technological, designing technologies and systems that require research, analysis, synthesis, programming and management based on a system-analytical approach.

The profile “System analysis and life cycle management of complex systems” provides for the study of mathematical, natural science and humanitarian disciplines, as well as professional disciplines: system analysis, optimization and decision making; system modeling, theory and programming technology (web application programming); management in organizational systems, large-scale systems management; quality control; fundamentals of the theory of innovation; art of strategy, research and development management, business planning of venture projects, risk management, methodology and practice of institutional management.

The knowledge and skills gained during training in this area and profile allow graduates to work as system analysts, research analysts, managers in the analytical and information departments of industrial enterprises, research centers, commercial organizations, educational institutions and social welfare. Students studying in the direction of "System analysis and management" will undergo practical training directly at enterprises and organizations of the nuclear industry.

Students who have shown the ability to scientific work have the opportunity to participate in the implementation of research work carried out at the Department of Strategic Planning and Management Methodology of NRNU MEPhI.