

27.04.03 System Analysis and Management

«Systems Engineering and Systems Analysis for High-Tech Industries»

A system engineer studies various engineering disciplines in order to gain solid expertise in the field and deliver valid engineering solutions at any stage of a complex system life cycle. The program is designed based on the key trends of the Fourth Industrial Revolution, which brings together engineering sciences, innovative technologies, and management disciplines. The program focuses on training Master's students to develop projects for digital life cycle management systems (PLM systems) and information management systems. The master's program focuses on training students to create projects for digital life cycle management systems (PLM systems) and information management systems. Students acquire skills in project development of automated systems for information processing and business process management of an enterprise, as well as project management for design and development of enterprise information architecture. The program places a special emphasis on process management in implementation of digital design technologies and design of digital twins, as well as digitalizing internal project management processes.

The relevance of this new master's program is based on the growing need of modern enterprises for specialists who can effectively implement end-to-end technologies.