

09.04.04 Software Engineering

High-Tech Development of Complex Software Systems

Partner university: Razzakov Kyrgyz State Technical University (Kyrgyzstan)

Software engineering is the application of a systematic, disciplined, measurable approach to software development, operation and maintenance. Currently, software industry is actively developing and is a full-fledged direction of modern Russian and world economy. There is a constant shortage of qualified software development specialists, and this trend is likely to continue in the future. Modern specialists in industrial software development must have extensive training in the development of system and application software for various purposes, which determines the relevance of the program. Cooperation with foreign colleagues allows us to diversify the experience of our students and get the opportunity to get acquainted with the best practices of both countries.

Curriculum features

- discrete mathematics
- database systems and technologies
- AI systems and technologies
- cybernetic systems development technologies
- models of physical processes in nuclear systems

Future professional opportunities

- industrial production of software for information and computer systems for various purposes
- research and development in informatics and computer technology.