Area of study:	Program overview:	Careers:
27.03.03 System Analysis and Management Program **Complex Systems Analysis and Management** **Degree:** bachelor **Program length and study mode:** 4 years, intramural **Language:** Russian **Credits:** 240 **Start date:** 01.09.2020 **Location:** Institute of Computer Technologies and Information Security, Taganrog	**Program structure:** • Unit 1 Courses (modules). • Unit 2 Practical training. • Unit 3 State final certification. • Electives. The Content Of Unit 1: • The University wide courses Module, which includes mandatory courses for all areas of study: "Foreign language", "History", "Philosophy", "Health culture", "Health and safety", "Economic and legal support of engineering activity". • The Module of project activity, including "Introduction to engineering", "Creative project". • The Module of University academic mobility, which includes three sets of courses of the student's choice (5 credits each). • The Module of general professional disciplines. The best teachers selected on a competitive basis deliver the lectures on these disciplines. • The Module of professional disciplines, which includes disciplines aimed at the development of professional competencies in the field of system analysis and management. • The Module on physical culture and sports. In addition, a wide range of optional courses (at least 7) will be provided, including workshops on programming, mathematics, solving physical problems, preparing engineering documentation, basics of project activities, etc. The Unit 2 includes academic practical training, work	a system analyst, programmer, engineer, researcher in companies in the field of IT-technologies, energy, aviation and mechanical engineering, design offices and research institutes in the field of control and automation systems development. **Get in touch:** Andrey A. Kuzmenko, Candidate of Technical Sciences, Associate Professor +7 (8634)36-07-07 aakuzmenko@sfedu.ru; Scopus ID - 56694207200

	experience internship and pre-graduation training. The state final certification includes the graduate qualification work defense. **Typical units of study may include:** — Mathematical modeling — Object-oriented programming — Optimization methods — Decision theory — Fundamentals of nonlinear dynamics — Systems theory and analysis — Automatic control theory — Design of decision-making information systems — Cross-platform application technologies and software — Modern methods of analysis and synthesis of systems **Research areas:** system-analytical assignment and management of tasks of research processes and objects modeling, assignment of research tasks on the basis of system analysis and management, including models, methods, technologies and algorithms of computer-aided design and system research software	