Area of study: **12.04.04 Biotechnical Systems and Technologies** Program **Innovation Methods and Technologies in Medicine and Ecology** Degree: Master Program length and study mode: 2 years, intramural Language: Russian Credits: 120 Start date: September 1, 2020 Location: Taganrog, the Institute of Nanotechnologies, Electronics and Equipment Engineering Entry retirements: Higher education.	**Program overview:** During the training, the students concern themselves with research, development and application of mathematical models, methods, programs and computer technologies for solving problems of medical and environmental instrumentation, as well as development of new trends, methods and technologies in the field of biotechnical systems and technologies based on new concepts, computer and mathematical models using high intellectual technologies. **Program structure:** Unit 1. Courses - 60 credits Basic part – 15 credits Variable part - 45 credits Unit 2. Practical training, including research work - 54 credits Variable part, total – 51 credits Unit 3. State final certification - 6 credits. Program total - 120 **Typical units of study may include:** — History and concepts of science and technology. Mathematical modeling of devices and systems — Foreign language — Organization of research and development **Research areas:** Development and maintenance of new medical devices and technologies, metrological software for medical and environmental equipment.	**Careers:** research, design, marketing and service organizations dealing with medical equipment. **Careers:** - *Nikolay N. Chernov* - *Doctor of Technical Sciences* - *8 8634 371795* - *nnchernov@sfedu.ru* - *WoS/Scopus ID 57198420694*