

<p style="text-align: center;">11.03.01 Radio Engineering Radiotechnical Means of Communication, Location and Information Protection</p> <p>Degree: <i>bachelor</i> Duration of training: <i>4 years</i> Form of training: <i>intramural</i> Language of instruction: <i>Russian</i> Accreditation: <i>state</i></p>	<p style="text-align: center;">Program description:</p> <p>You will receive training in development and operation of devices for the formation, generation, amplification and conversion of radio signals in radio systems and devices for various purposes; research and development of radio technical systems and devices of special purpose, including for radar, radio control, radio monitoring and electronic warfare. Acquire experience in research of processes and phenomena in radio engineering to improve the efficiency of radio engineering systems and devices. Gain skills of estimation and design of radio equipment.</p> <p>Basic courses: Radio Circuits and Signals; Electrodynamics and Propagation of Radio Waves; Radio Engineering Systems</p> <p>Special courses: Methods and Devices of Digital Signal Processing; Fundamentals of REM Computer Design; Microwave and Antenna Devices; REM Electromagnetic Compatibility</p>	<p>Graduates of the program work in research institutes, various design bureaus (computing, medical and multimedia systems), teleradiocentre, and cellular communication companies. They are in high-demand in diagnostic centers, on ships, customs service, energetics, geoprospecting, metallurgy, enterprises developing computer radio technologies and civil and military oriented complexes.</p> <p>Contacts of the program director: Candidate of Technical Sciences, Associate Professor A.I. Panychev Scopus: https://www.scopus.com/authid/detail.uri?authorId=57190164387</p>
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Research areas:

development of noise resistant systems and devices; development of information destruction methods by means of interference and its protection in radio systems of various purposes; research and development of new television systems and devices to improve the quality of information transmission and immunity of operation; design, manufacture and measurement of antennas, active and passive microwave devices

