

Hydroacoustics

Far Eastern Federal University

Degree or qualification is awarded: **Master**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **290 000**

Programme webpage at the university website: <https://www.dvfu.ru/admission/program-m/12.04.01.php>

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The current state of the art in the field of instrumentation is characterized by the widespread use of modern highly sensitive sensors, broadband systems for receiving and transmitting information, ultrafast digital machines and high technology for assembling modern small-sized systems, hydroacoustic antennas, wireless communication systems, manned and unmanned underwater vehicles. Therefore, the educational program is aimed at training masters in the field of development, design, design of devices, complexes, and systems for various purposes. In the learning process, special attention is paid to the study of digital methods of signal processing and digital technologies, the features of building acoustic systems and wireless communication networks of a new generation, methods of ensuring the required transmission quality, and ways to further improve the efficiency and quality of services provided. In addition, masters acquire the necessary knowledge in the field of management and marketing in the field of instrumentation, as well as basic knowledge in the field of electronics, mathematical modeling, signal processing.

Specializations within this programme