

# Optical and Optoelectronics Systems

National Research Tomsk State University

Degree or qualification is awarded: **Master's degree**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **no**

Price: **201 500 RUB per year**

Programme webpage at the university website: <http://rff.tsu.ru/node/704>

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The goal of the program is the training of highly qualified specialists in the field of modern technologies of optics, optoelectronic instrumentation, the use of optoelectronic systems for environmental and geophysical monitoring. Main activities: research, development, production and operation of optical and optoelectronic, laser, information measuring and tracking devices and systems used in defense technology, medicine, ground and space communication systems, aerospace research, navigation, biology and ecology. Types of practical tasks: research and development of instruments and systems based on the use of optical radiation; calculation of parameters and characteristics as separate elements (for example, sources and receivers of optical radiation), and optoelectronic systems for various purposes, as a whole; assembly, assembly, alignment and testing of samples of optoelectronic devices and systems for various purposes; calculation, design and construction of typical systems, devices, parts and units of optical technology using computer-aided design tools; development and operation of optical-electronic systems of environmental monitoring; the study of the atmosphere and the hydrosphere with the use of optoelectronic systems. Admissions requirements: Applicants must have a document on higher education. Admission to the program is carried out on a competitive basis following the results of admission tests: 1. An exam in the field of "Radiophysics" 2. An interview

## **Specializations within this programme**