

Optical Engineering

National Research ITMO University

Degree or qualification is awarded: **M.S. in Optical and Electronic Engineering**

Language of study: **Russian, English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **262 000 RUB per year**

Programme webpage at the university website: https://en.itmo.ru/en/viewjep/2/77/Applied_Optics.htm

Programme curator: **ITMO International Admission Office**

Tel.:

E-mail: international@itmo.ru

In the professional sphere the students will learn about engineering and computer graphics, electrical engineering, electronics and microprocess technics, material science and constructional materials technology, applied mechanics. In the practical training students will learn how to design functional devices of optical engineering, how to do the sketches by hand and with help of special computer programs.

Specializations within this programme

Applied Optics

Place of Study: ITMO University (Russia)

Outcome (diploma or credits): Master of Science (ITMO University)

Duration: 2 years, 120 credits

Language: English

Application Deadline: 09 August 2021

Admission Requirements: Bachelor's degree in the field of Physics or Engineering (preferably in photonics), with excellent/good grades; CV & motivation letter; the upper-intermediate level of English

Career Options: graduates will be able to work as researchers, optical engineers, and optical designers at R&D companies, laboratories, innovative startups, as well as leading international and Russian universities.

Program description

The Master's degree program in Applied Optics is aimed at training highly qualified specialists in the field of optical systems design. The program's graduates can work at industrial companies and research centers that focus on developing optical and optoelectronic devices, as well as the fields related to CAD technologies, optical imaging modeling, image processing and AI.