

CAMP IN OPTICAL SYSTEMS DESIGN 2021

National Research ITMO University

Language of study: **Russian**

Mode of study: **part-time**

Duration: **1 month**

Availability of free education: **no**

Price: **63,000 RUB (~700 euro)**

Programme webpage at the university website: <https://schools.itmo.ru/en/school/10/>

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Place of Study: Online

Language: English

Duration: June 7-20, 2021 - theoretical part & June 28 - July 9, 2021 - practical part

Outcome: ITMO official certificate, 4 ECTS

Deadline: May 20, 2021

Admission Requirements: Bachelor's level students in respective fields (4th year and above) Master's and PhD students

The camp is intended for students with a background in optics or those interested in broadening their knowledge in the field of optical systems design. So if you could be easily inspired just by thinking about how to reduce aberrations in optical systems or increase the resolution of the imaging system, this program is exactly the thing for you!

During the course you will know the main ideas about how to choose or to construct the optical part of various optical devices. You will also learn how to use the optical design software consciously and in the most effective way.

The camp includes several parts — layout design, theory of aberrations, automated design, image quality and tolerancing. The course includes both the theoretical material and many practical examples which are implemented with modern optical design software. Participants also prepare the project which is design of some standard optical system for real optical devices.

Specializations within this programme