Software Engineering

National Research ITMO University

Degree or qualification is awarded: **M.A. in Software 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:
http://en.ifmo.ru/en/faculty/1/Department_of_Computer_Technologies_and_Control.htm

Programme curator: **ITMO International Admission Office**
Tel.:
E-mail: int.students@itmo.ru

Here are the programs which you can apply for:

Web-Technologies

Multimedia Technologies, Design and Usability

Neurotechnologies and Program Engineering

Software of Radioelectronic Systems

Industrial Engineering Technologies

Specializations within this programme

System and Applied Software

PROGRAM DESCRIPTION

This corporate Master's program trains highly qualified specialists in the field of industrial production and operation of information and computing systems. Our students are highly competent in research, design, development, and support of software for parallel and distributed information and computing systems. The main emphasis in the learning process is placed on design and research activities in the field of information systems on an enterprise-wide scale.

Students can choose between five specializations:

- Information and Computing Systems, with a focus on the development and maintenance of large-scale software products;
- Conversational AI Technologies, implemented together with the telecom company MTS (read more about this brand-new specialization [here](#));
- Computer Modeling Technologies, with a focus on predictive modeling in technical and information systems;
- Computer Visualization Technologies, with a focus on the technologies for the synthesis of realistic images, implemented together with the Keldysh Institute of Applied Mathematics.
- Intelligent Systems, with a focus on a wide spectrum of intelligent technologies, implemented together with the company Inteltech.

Contacts

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Radioelectronic Systems Software

PROGRAM DESCRIPTION

This corporate Master's program trains specialists in the field of radioelectronic systems software design, methods and tools of radioelectronic systems design and their operation processes.

The program includes two specializations:

- Software for Control and Guidance Systems
- Software for Radioelectronic Systems

<u>**Contacts**</u>
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Neurotechnologies and Software Engineering

PROGRAM DESCRIPTION

This corporate Master's program includes both subjects on the modern methodology of software engineering and subjects on methods and means of development and application of neurotechnologies. The wide range of elective disciplines available as part of the program allows students to build their own individual educational tracks.

Two specializations are available as part of the program:

- Telecommunications Software (implemented in collaboration with the company Nexign)
- Software for the Implementation of Neurotechnologies (implemented in collaboration with Brain Development LLC)

Read more about the program and its partners [here](#).

<u>**Contacts**</u>

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Multimedia Technologies, Design and Usability

PROGRAM DESCRIPTION

This corporate Master's program trains specialists highly skilled in the theory and methodology of human-computer interaction, development and graphic design of system and app interfaces, modeling of lighting and and working with images.

Students can choose between two specializations:

- Design of Human-Computer Interfaces
- 3D Modeling and Virtual Reality Technologies in Art and Culture

<u>**Contacts**</u>
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Web Technologies

PROGRAM DESCRIPTION

Implemented by ITMO with support from T-Systems Russia, this corporate Master's program trains highly qualified web development specialists. In the course of their training, students learn the best practices in the field: multilingual and monolingual web design, the application of client and server frameworks, web interface design, as well as the promotion of web projects. Modern teaching methods, workshops by the field's professionals, contests and training sessions make the course both entertaining and effective.

The following specializations are available as part of the program:

- Technologies of Front-End and Back-End Development
- Applied Web Technologies

Contacts
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The Internet of Things Technologies

PROGRAM DESCRIPTION

The Internet of Things Technologies program is implemented in collaboration with T-Systems RUS of Deutsche Telekom AG, the world leader in information and telecommunication services in the B2B segment. The program focuses on current trends in the software industry – data science, data-driven development, and the Internet of Things. Its main goal is to train high-class IT specialists who understand and know the entire life cycle of software development infrastructure for various applications in such fields as artificial intelligence, embedded and mobile systems, the Internet of Things, etc.

The program includes the following specializations:

- Semantic Technologies for the Internet of Things
- Mobile and Embedded Systems

Contacts
ITMO International Admission Office
international@itmo.ru