

Computational Civil Engineering

Peoples' Friendship University of Russia

Degree or qualification is awarded:

Master's Degree

Language of study: **English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **99 680 RUB per year for CIS students, 2 750 US \$ per year for Int. students**

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Programme focus

The goal of the M.Sc. Programme is to educate civil engineers who have scientific background and experience that are necessary for the beneficial use of computers in engineering practise and in research. The Programme is concentrated on general scientific fundamentals which form the basis for:

- Mapping problems from different branches of civil engineering to computers;
- Simulating behaviour of constructed facilities and their environment on computers;
- Managing processes in the life cycle of constructed facilities with computers

The Research component of the Programme includes the following research areas: Computational Geometry; Computational Mechanics; Computational Management. Research will be guided by scientists from Russia and Germany

Programme advantages

The M.Sc. programme has been developed as interdisciplinary and international. The interdisciplinary character is strengthened by opening the programme to students from both civil engineering and information technology areas and specifying the curriculum accordingly. The international character is strengthened by having courses conducted by lecturers from other countries.

Graduates' expertise and career opportunities

Programme graduates can be employed in such spheres as: Civil Engineering; Environmental Engineering; Facility Management; Software Engineering; International Projects; Government; Industrial corporations; Educational institutions; Research institutions.

Specializations within this programme