

# International Polytechnic Summer School " Space Technologies"

Peter the Great St. Petersburg Polytechnic University

Degree or qualification is awarded: **Certificate**

Language of study: **English**

Mode of study: **full-time, distance learning**

Duration: **2 weeks**

Availability of free education: **no**

Price: **270-510 Euro**

Programme webpage at the university website: [https://summerschool.spbstu.ru/programs/space\\_technologies/](https://summerschool.spbstu.ru/programs/space_technologies/)

Programme curator: **Department of International Educational Programs**

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July 5 - July 16, 2021

The summer school course "Space Technologies" is suitable for senior undergraduate and graduate students as the first space technology course or an add-on course. The program aims to provide advanced techniques of space engineering and understanding the core physics principles related to space exploration. Space industry problems are also considered during the program in addition to technology topics. The theoretical courses cover astrophysics, space technology and physics. Students will train their practical skills during a hackathon (a creative coding marathon) and an interactive business simulation workshop. The speakers are industry experts and scientists experienced in the field of space technology.

Skills and competence to be acquired by students

- Satellites Engineering,
- Space Communication Techniques,
- Space Hardware and Equipment,
- Astronomy,
- Radio Telescopic techniques.

Duration: 2 weeks

ECTS credits: 4.0

Participation fee:

Online format: 270 eur

On-site format: 510 eur

Participation fee includes tuition fee, study materials, field trips and cultural program.

Cultural program

Socio-cultural program of extracurricular activities and networking events are included\*:

Online format:

- - Online Pub Quiz;
- - Online Interactive Tour to SPbPU Museum;
- - Online broadcasting of excursion to the Hermitage museum;

On-site format:

- - Boat city tour for students to get acquainted with the beauty of the city;
- - Excursion to the Hermitage, one of the world's largest and oldest museums of fine art;
- - Pub Quiz in the city center of St. Petersburg;
- - Excursion to Pushkin, former tzar summer residence famous for its palace and park ensemble. Students will visit the outstanding Catherine Palace with glorious Amber room (optional, for extra price);
- - Excursion to Peterhof palace-ensemble with picturesque gardens, a countless number of fountains and giant golden statues (optional, for extra price)

\*All of the listed above activities are planned to take place but in case any of those will have to be cancelled, an alternative event will be offered to participants.

Deadline for registration

Online format: June 21, 2021

On-site format:

- for EU- or visa-free countries nationals: June 07, 2021

- for non-EU nationals: April 26, 2021

## **Specializations within this programme**