

Международная политехническая зимняя школа «Физика плазмы и ядерный синтез»

Санкт-Петербургский политехнический университет Петра Великого

Присваивается степень или квалификация: **сертификат СПбПУ о дополнительном образовании, признаваемый за рубежом, с указанием ECTS кредитов (Европейская система перевода и накопления кредитов)**

Язык обучения: **английский**

Форма обучения: **Очная**

Продолжительность: **2 недели**

Возможность бесплатного обучения: **нет**

Стоимость: **270 евро**

Страница программы на сайте вуза:

<https://english.spbstu.ru/education/programs/short-term-programs/winter-school/plasma-physics-controlled-fusion/>

Куратор программы: **Отдел международных образовательных программ и академической мобильности**

Телефон: **+7 (812) 534-25-31**

E-mail: summerschool@spbstu.ru

The course is suitable as the first plasma physics course or an add-on course for senior undergraduate students and graduate students. The primary objective of the course is to present the fundamentals of plasma physics particularly highlighting high-temperature plasma physics and its applications to controlled fusion. The course begins with an overview of plasma phenomena and their applications. The lectures cover Coulomb collisions, single particle motion in magnetic field, magnetic traps, principles of controlled fusion, plasma heating and diagnostics. The program also includes study visits to a tokamak laboratory and a laboratory for plasma technologies.

Duration: 2 weeks

ECTS credits: 4.0

Participation fee: 270 Euro

Cultural program

Socio-cultural program of extracurricular activities and networking events are included*: Online Interactive Campus Tour Online broadcasting of excursion to the Hermitage museum; Online Pub Quiz.

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

Deadline for registration: January 10, 2021.

Специализации в рамках данной программы