BOSTON UNIVERSITY

Boston University Study Abroad

GENEVA, SWITZERLAND > STUDY ABROAD

COURSES

The first six weeks of the program will be dedicated to an intensive French language course, an introduction to CERN, and a course in Root computing. When the UNIGE semester begins in mid-February, students will enroll in the two UNIGE courses as well as the CERN directed research course. Electrodynamics and Quantum Mechanics will be taught in French, with a separate discussion section in English held weekly. Texts are in English. Each course carries four credits unless otherwise noted.

- Intensive French
- Electrodynamics II (equivalent to CAS PY 406, Electromagnetic Fields and Waves)
- Quantum Mechanics I (equivalent to CAS PY 451, Quantum Physics I)
- CAS PY 392: Directed Study at CERN
- CAS 482: Undergraduate Physics Seminar in Computation for Experimental Particle Physics (2cr.)

Geneva Physics Program

Boston University's Geneva Physics Program, in cooperation with the University of Geneva, brings students directly to the cutting edge of modern physics. With classes at the University of Geneva and directed research at the CERN, straddling the French/Swiss border just outside of Geneva, students will work with the world's leading physicists to explore the universe on the level of its most basic constituent particles. Upon successful completion of the program students earn 18 credits.

CERN, the European Organization for Nuclear Research, is one of the world's largest and most respected centers for scientific research. Its business is fundamental physics, finding out what the Universe is made of and how it works. At CERN, the world's largest and most complex scientific instruments are used to study the basic constituents of matter—the fundamental particles. By studying what happens when these particles collide, physicists learn about the laws of Nature. www.cern.ch

The University of Geneva (UNIGE), located in the center of one of Europe's most beautiful and cosmopolitan cities, was founded in 1559 and is one of Europe's leading universities. Like its host city and like CERN, UNIGE is a centre of international and multicultural activities with a venerable cosmopolitan tradition. Students in this program will be considered full-time UNIGE students with all student privileges. www.unige.ch

FACULTY

Carla Rachman, Boston University's Director in Geneva, is responsible for all aspects of student life. At CERN, a Boston University faculty member will oversee students' directed research. Electrodynamics and Quantum Mechanics will be taught by members of the UNIGE faculty.

HOUSING

Students live in Boston University's residence hall in the center of Geneva. Students share double or triple rooms, each with a private bath, and kitchens on every floor. Rooms are completely furnished. Wireless Internet access is available throughout the building. A light breakfast is provided each weekday morning.

EXCURSIONS AND TRAVEL

Past program excursions have included a trip to the Swiss capital, snowshoeing and wine tasting trips, visits to local festivals, the spectacular French towns of Lyon and Annecy, and the magnificent lakeside castle of Chillon.

ADMISSIONS

- Must be an upper division physics major
- Minimum of two semesters of college-level French or the equivalent.
- Courses carry prerequisites
- Refer to our policy on eligibility/admissions at: www.bu.edu/abroad/admissions

PROGRAM DATES

Spring Semester: mid-January–late-June

APPLICATION DEADLINE

Spring Semester: September 15

2014/2015 PROGRAM COST

$26,450 per semester. Cost includes tuition, housing, round-trip airfare, field trips, book allowance, emergency travel assistance, and overseas medical insurance. Financial Aid is available.