

## Physics at CERN

# SWITZERLAND

**Geneva** March 8 - March 15, 2014 (Spring Break time abroad)

### OVERVIEW

Europe's center for particle physics research is CERN, the base for this program. Participants visit several of CERN'S major experiments (such as CMS, Atlas, Alice, etc), tour accelerator facilities, explore the numerous interactive exhibits, live in dormitories on the lab, and talk with scientists at the lab. Florida State's high energy physicists have worked on the Compact Muon Solenoid (CMS) experiment since its beginnings. The experiment weighs 12,000 tons and is approximately 15m tall (about 2/3 the height of the Keen building on Florida State's main campus). CERN is also the home of the Large Hadron Collider (LHC), the world's highest energy particle accelerator. The LHC is 17 miles in circumference and about 100 meters underground. Scientists at CERN and associated universities and laboratories conduct research into the most basic questions – where do we come from and what are we made of?

### AREAS OF STUDY

Physical Science Majors, Physics

Visit [international.fsu.edu](http://international.fsu.edu) for course listing and course descriptions.

### ELIGIBILITY/PREREQUISITES

This program is open to all Physics or Physical Science majors at Florida State enrolled in the International Programs section of the Spring 2014 semester PHZ 4390 class on the Tallahassee campus. The course registration procedures are conducted through International Programs. Please see the University Bulletin or contact the Physics Department or the College of Education for more details concerning eligibility.

### LOCATION

The study abroad portion of this program is mainly located in CERN, located outside Geneva, Switzerland, crossing the French/Swiss border.

### HOUSING

During the time abroad, program participants will be housed in shared dormitory accommodations on the lab at CERN, in Geneva.



### PROGRAM SPECIFIC EXCURSIONS & GROUP ACTIVITIES\*

Cultural immersion/social events planned for this program may include:

- United Nations visit
- Tour Geneva's cultural attractions
- Train trip to Bern, Switzerland's capital
- Visit to the apartment of Albert Einstein during his 1905 year of publication

*\*Plans may change due to unexpected events and/or new opportunities.*

### DATES & FEES

Program dates, details, and fees are subject to change. Visit [international.fsu.edu](http://international.fsu.edu) for payment deadlines.

Spring semester 2014: Tallahassee campus  
March 8 - March 15, 2014 (7 nights): Switzerland  
**\$1,885 GE50**

### FEE INCLUDES

The program fee above includes:

- All registration fees
  - Instructional costs for 3 undergraduate credits
- Plus the following while abroad:
- Housing
  - Welcome orientation
  - Program planned excursions
  - Program planned group activities
  - Some meals (7 lunches, 1 dinner)
  - Full-time academic support
  - Full-time administrative support
  - Health Insurance
  - International Student ID Card
  - IP T-shirt and travel water bottle

### NOT INCLUDED

Round-trip international airfare; passport; food (except as noted); books and supplies; personal travel/activity/spending money; university-assessed fees (e.g. per credit hour technology fee)

Visit [international.fsu.edu](http://international.fsu.edu) for technology fee information.

**Apply by November 6, 2013 - Save \$100**

For more information: Todd Adams  
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