

SPIN 2014



Welcome to Prague



The most famous Prague panorama – Prague Castle viewed from Charles Bridge



Charles University in Prague

**Founded
1348**



**Originally had 4 faculties
(theology, liberal arts, law, and medicine)**



Charles University in Prague

17 relatively independent and self-governing faculties

- Catholic Theological Faculty
- Protestant Theological Faculty
- Hussite Theological Faculty
- Faculty of Law
- 1st Faculty of Medicine
- 2nd Faculty of Medicine
- 3rd Faculty of Medicine
- Faculty of Medicine in Plzeň
- Faculty of Medicine in Hradec Kralové
- Faculty of Pharmacy in Hradec Kralové
- Faculty of Arts
- Faculty of Natural Sciences
- Faculty of Mathematics and Physics
- Pedagogical Faculty
- Faculty of Social Sciences
- Faculty of Physical Education and Sport
- Faculty of Humanities



Charles University in Prague

52.000 students

20.000 students are studying for Bachelor degrees.

23.000 students are enrolled in Master degree programs.

8.000 students are enrolled in Ph.D. study programs.

The annual number of graduates from Bachelor, Master and Doctoral programs is higher than 8.500.

Over 300 accredited study programs further divided into more than 600 subjects in all degree levels.

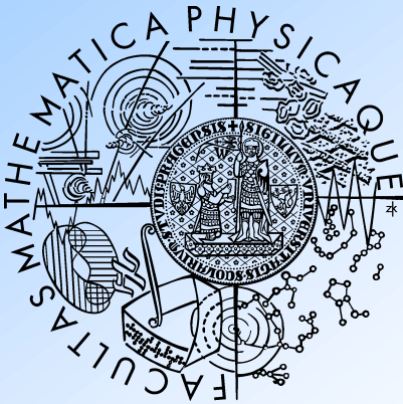
7.800 employees

More than half of which are academics and researchers.

Charles University is the most productive scientific institution in the Czech Republic as demonstrated through the evaluation of scientific outputs.

Faculty of Mathematics and Physics

Established in 1952



3 schools

- School of Physics
- School of Mathematics
- School of Computer Science

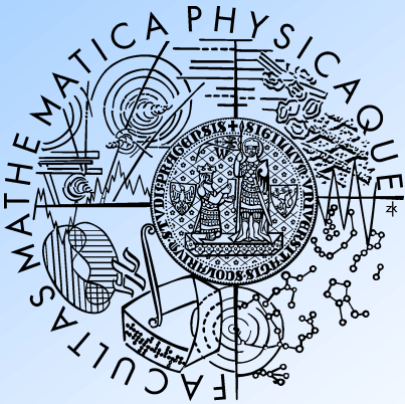
3 study programs

- Physics
- Mathematics
- Computer Science

School of Physics - 14 departments

- Astronomical Institute of Charles University
- Institute of Physics of Charles University
- Laboratory of General Physics Education
- Department of Physics Education
- Department of Surface and Plasma Physics
- Department of Physics of Materials
- Department of Low Temperature Physics
- Department of Condensed Matter Physics
- Department of Macromolecular Physics
- Department of Geophysics
- Department of Chemical Physics and Optics
- Institute of Particle and Nuclear Physics
- Department of Meteorology and Environment Protection
- Institute of Theoretical Physics

Faculty of Mathematics and Physics



3 study programs

- Physics
- Mathematics
- Computer Science

Around 3.000 students enrolled in all the programs.

The annual number of graduates from Bachelor, Master and Doctoral programs is almost 600.

Study program **PHYSICS**

3 stage system → 3 (BSc.) + 2 (MSc.) + 4 (Ph.D.)

Bachelor study programs in physics:

- General Physics
- Applied Physics
- Physics Education

Study program **PHYSICS**

3 stage system → 3 (BSc.) + 2 (MSc.) + 4 (Ph.D.)

Master study programs in physics (11):

- Astronomy and Astrophysics
- Geophysics
- Meteorology and Climatology
- Theoretical Physics
- Physics of Condensed Matter and Materials Research
- Optics and Optoelectronics
- Physical of Surfaces and Ionized Media
- Biophysics and Chemical Physics
- Nuclear and Sub-nuclear Physics
- Mathematical and Computer Modeling in Physics
- Physics Education

Study program **PHYSICS**

3 stage system → 3 (Bc.) + 2 (Mgr.) + 4 (Ph.D.)

Doctoral study programs in physics (13):

- Theoretical Physics, Astronomy and Astrophysics
- Physics of Plasma and Ionized Media
- Physics of Condensed Matter and Materials Research
- Biophysics, Chemical and Macromolecular Physics
- Physics of Surfaces and Interfaces
- Quantum Optics and Optoelectronics
- Geophysics
- Meteorology and Climatology
- Sub-nuclear Physics
- Nuclear Physics
- Mathematical and Computer Modeling
- Physics Education and General Problems of Physics
- Physics of Nanostructures

I wish you a very stimulating meeting
and a pleasant stay in Prague.