



UNIVERSITÉ
Grenoble
Alpes

Science Summer School

June 2 – July 13, 2016

Six weeks to take scientific courses and to
discover the French way of life in Grenoble!

www.ujf-grenoble.fr/international/science-summer-school



The *Science Summer School* gives you the opportunity to study at Université Grenoble Alpes, get credits for your home university and meet students from all over the world! It is also open to French UGA students with whom you will interact daily. This 6 week program offers scientific courses taught in English and French classes (except for UGA students).

CONTENTS OF PROGRAM

You may choose between two scientific options taught in English

ENGINEERING

"Introduction to Physical computing"

60 hrs of Lecture / tutorials / lab and company visits

Prerequisites: Basics in programming and electronics
Physical computing focuses on interactions with the physical world using a variety of sensors and actuators that are controlled by microcontrollers and computers. You will build your own robot and learn how to control it using the Arduino platform.
<http://airimagfr>

PHYSICS

"Introduction to large scale facilities: probing matter with neutron and synchrotron radiation"

60 hrs of Lecture / tutorials / lab work / ESRF and ILL visits

Prerequisites: Wave propagation and interferences, background in quantum. Mechanics is useful.
You will learn the basis of crystallography and discover how useful neutron and synchrotron sources are. Applications will focus on condensed matter and other domains such as Biology, Earth Science...

Mandatory common course

FRENCH

"French language and civilization"

45 hrs of classes + cultural visits

Prerequisites: none

You will learn French, discover and enjoy daily life in France through different cultural and outdoor activities.

PRATICAL INFORMATION

Program costs:

500€ for partner universities.

800€ for non-partner universities.

These fees include insurance costs (liability and medical insurances), but do not include accommodation, food and travel costs.

Grants associated with a research institute in Grenoble are also available.

Registration: <https://www.ujf-grenoble.fr/international/science-summer-school>

Online application will be open January 1 - March 18, 2016

CONTACT

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