

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.

PROGRAM

ENGINEERING *"Introduction to Physical computing"*

60 hrs of lectures/ tutorials/ lab and company visits
(6 ECTS)

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://air.imag.fr>

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

60 hrs of lectures/ tutorials/ lab work/ ESRF and ILL visits (6 ECTS)

OR

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 ...

PLUS

Mandatory common course

FRENCH *"French Language and civilization"*

45 hrs of classes + cultural visits (3 ECTS)

Prerequisites: None

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

PRACTICAL INFORMATION

Program costs: 500€ for ORA students (incl. liability and medical insurance costs)

Accommodation costs: Approx. 300€ - 350€ in private residence (shared accommodation). (incl. access to swimming pool, tennis court and fitness facilities)

CONTACT

For more information on the program: www.ujf-grenoble.fr/international/science-summer-school

Academic coordinator: Sophie DEBRION//Administrative coordinator: Damien ROUSSET, summer-program@ujf-grenoble.fr

ORA director: Louise Lewin, llewin@ouinternational.ca

APPLY

Please fill in the ORA-SELP application form and submit it to your home international office. You **cannot** apply directly to Grenoble.

Deadline: Please ask your international office for their deadline.