



European Organization for Nuclear Research, France/Switzerland

Doctoral Student Programme at CERN

Company Description

At CERN, the European Organization for Nuclear Research, physicists and engineers are probing the fundamental structure of the universe. Using the world's largest and most complex scientific instruments, they study the basic constituents of matter - fundamental particles that are made to collide together at close to the speed of light. The process gives physicists clues about how particles interact, and provides insights into the fundamental laws of nature. Find out more on home.cern.

Diversity has been an integral part of CERN's mission since its foundation and is an established value of the Organization.

Job Description

Imagine getting involved in work that is changing the world and imagine doing it before you've left university.

Imagine working in an international environment and having a great quality of life.

Put all these ingredients together to make this imagination a reality.

Take part in CERN's Doctoral Student Programme!

This is a chance to work on your thesis while spending up to 36 months at the forefront of science. Whether you've already chosen a subject or are still making your decision, if your specialism is Applied Physics, Engineering or Computing, this is an invitation to further your knowledge in a truly unique organization. In fact, it's an invitation to get involved in world-famous experiments of unprecedented scale and scope. An invitation to join an environment like nowhere else on Earth.

You will have the opportunity to work in a diversity of fields at the cutting edge of technology: applied physics, IT, mathematics, electricity, electronics, mechanical or civil engineering, instrumentation for accelerators and particle physics experiments, materials science, radiation protection, safety and environmental protection, science communication, surveying, ultra-high vacuum are but a few of the examples of the many domains in which successful applicants will learn and contribute their knowledge.

The following link provides examples of Doctoral student projects (<http://careers.cern/doct-projects>) with numbers to identify them. If any of these are of specific interest for you, you will be asked to provide their corresponding number during the application process. Please note this is not mandatory nor a guarantee that these projects will be the ones for which you are selected: you may be selected on another project that matches your profile.

Students specialising in theoretical or experimental particle physics are not eligible to apply for this programme.

Qualifications

In order to qualify for a place on the programme you will need to meet the following requirements:

- You are a national of a CERN Member or Associate Member State (home.cern/about/member-states).
- You have started or are about to start a doctoral programme in a university.



- Your work envisaged at CERN is all or part of the thesis work required to obtain your PhD. The award of the degree remains the responsibility of your university. Academic arrangements will be discussed between your university thesis supervisor and your CERN supervisor.
- You have a good knowledge of English OR French.

Additional Information

CERN would very much like to benefit from your expertise, commitment and passion.

In return, CERN will provide you with:

- A contract of association for 6 months initially, renewable up to 3 years.
- The total period (up to 36 months) may be spread over a maximum duration of four consecutive years to allow you to spend time at your university (for periods of up to 12 months, granted as unpaid special leave).
- An allowance of 3704 Swiss Francs per month (net of tax).
- A travel allowance.
- Depending on your personal circumstances, a supplement if you are married and/or have children.
- Coverage by CERN's comprehensive Health Insurance scheme (the contribution will be automatically deducted from your allowance).
- 2,5 days of paid leave per month.

Please note that CERN cannot contribute to any cost related to your University nor will CERN reimburse tuition fees.

This is how you can apply:

You will need the following documents, **clearly labelled** (e.g. "CV", "Motivation letter", "Academic transcript", etc.) **and in PDF format** to complete your application:

- A CV.
- A copy of your most recent academic transcript giving an overview of your marks (if you download it from your university portal please make sure there is no protection so that we can open it).
- A reference letter from your University Professor is mandatory. Should you have a letter of reference from a previous internship you may add this as a second reference.
- You can upload these letters at the time of application if you have them to hand. You will also be provided with a link as soon as you have submitted your application to forward to your referees to upload their letters confidentially.
- Note: this must be done before the closing date.

Make sure you have all the documents needed to hand as you start your application, as once it is submitted, you will not be able to upload any documents or edit your application further.

Your application along with all supporting documents should reach us no later than 21 October 2019. Please note that your application may also be shared during the process with a panel of national experts for evaluation purposes. Ultimately, it will be reviewed by a panel of CERN experts who will meet in December 2019.

Fellowship Opportunities at CERN

Take part in the Fellowship Programme

What could be a better boost for your career than a work experience in one of the largest scientific experiments in the world at the cutting edge of technology, to develop your technical skills, knowledge and expertise?

If you're a recent graduate from **university or a technical institute**, you're no doubt looking for the chance to make your mark. Here it is: you could spend up to three years working right at the forefront of scientific research. As a Fellow, you could join us for research work in particle physics or take part in advanced development work in a broad range of applied science, engineering and technical fields. Whichever route you take, it will be an extraordinary experience. An experience like nowhere else on Earth.

Categories of Fellowships

CERN offers different categories of fellowship in line with different levels of education and experience. Browse the following categories to find the one that best matches your profile. Take part by applying for a:

- Junior Fellowship, for nationals of Member or Associate Member States with a BSc or MSc degree and no more than 4 years' experience after completing your highest diploma,
- Senior Fellowship, if you have a PhD or at least four years' experience post-MSc (or equivalent diploma which gives access to doctoral programmes), and a maximum of 10 years' experience.
- Senior Research (Theoretical & Experimental) Fellowship, for researchers in the fields of theoretical and experimental physics holding a PhD and up to ten years' experience in your field.
- Post Career Break Fellowship, if you have the profile of either a Junior or Senior Fellow and have been on a career break for personal reasons (for example for family or caring responsibilities, health issues) for at least two years.

How does it work?

Calls for applications open twice per year, for a period of several months closing respectively in March and in September. All applications for Fellowships are reviewed by the Associates and Fellows Committee made up of a panel of CERN experts who meet usually in May and November, to finalise the selection process. Please note that Senior Research Theoretical physicists are only selected at the November committee.

We wish you all the best for your application for this enriching programme!

CERN also participates in [Marie Skłodowska-Curie Actions](#) which fund individual fellowships for candidates of any nationality. All open opportunities will be listed below along with the standard Fellowship programmes.

