



“Philosophiae Doctor” Entrance Exams Academic Year 2018/19

The International School for Advanced Studies in Trieste offers post-graduate training to obtain a “Philosophiae Doctor” (Ph.D) degree in the following fields:

Ph.D course	Places Available
Mathematics Area	
Mathematical Analysis, Modelling, and Applications	8
Geometry and Mathematical Physics	8
Neuroscience Area	
Cognitive Neuroscience	8
Functional and Structural Genomics	4
Molecular Biology	5*
Neurobiology	7
Physics Area	
Astroparticle Physics	5
Astrophysics	5
Physics and Chemistry of Biological Systems	5
Statistical Physics	5
Theoretical Particle Physics	5
Theory and Numerical Simulation of the Condensed Matter	8
* 1 financed by SISSA, University of Trieste and University of Udine; 2 by ICEGB - Trieste	

The Ph.D programmes, which will be activated after approval by the MIUR as provided by the D.M. 45/2013, have a duration of 4 years, with the possibility of obtaining the title at the end of the third year, and are based on teaching and research activities, with examinations to determine admission from one year to the next and the attainment of the Ph.D degree.

• **Fellowships and other benefits:**

The School awards fellowships for a maximum of 4 years.

The yearly amount of the fellowships is, at the moment, of €15.343,28 gross (11,41% tax).

Candidates may also hold fellowships from other sources that may be increased by School funds up to the aforementioned amount.

A contribution towards living expenses of the amount of €100,00 gross per month will be awarded to those who will subscribe a registered rent contract in the Trieste province.

A contribution towards the expenses to be enrolled in the health insurance system up to € 198,77 will be granted to non-EU students only.

A contribution (70% of the amount of the fellowship) may be awarded to students who should be forced to suspend their activity due to illness, maternity or other serious reasons up to 5 months.

• **Requirements:**

The School welcomes applications from young candidates who are going to complete or soon after completion of their undergraduate studies with a strong interest in research.

To be admitted to the School, candidates must be in possession of one of the following degrees **by 31 October, 2018:**

- Italian **laurea** or **laurea specialistica/magistrale** in a scientific subject;
- A University degree obtained abroad and considered equivalent to the aforementioned Italian degrees by the examining committees (i.e. M.Sc.).

• **Online application:**

An online application must be filled and sent using the procedure available at the page <http://www.sissa.it/applications/phd/> by the deadlines shown in the schedule of each Ph.D course.

Candidates should upload the following documents in pdf format:

- curriculum vitae et studiorum;
- a certificate of University examinations taken (with marks);
- a final degree certificate;
- If, at the time of application, candidates should not be yet in possession of a degree certificate, they can submit it at the time of the examination.
European Union candidates can submit a personal declaration instead of the aforementioned certificates.
- a copy of the diploma thesis (if any).

At the end of the procedure, candidates will have to indicate the names and email addresses of two professors that will receive an email requesting to send a recommendation letter through the same online procedure **by midnight of the announcement expiry date.**

The candidate will then have to print out the admission request form, sign it and send it, together with a copy of an ID document (i.e. passport) by email, fax or post to the address on the form itself. The request form must reach SISSA within 8 days from the “online deadline” of each course. Late arrival of the application, for whatever reason, will not be accepted.

• **Entrance Exams:**

All the information about the exams can be found in the Ph.D schedules attached to the present announcement.

In the framework of the present announcement, a selection reserved to non-EU candidates, based on academic qualifications only, is foreseen.

A contribution towards documented travel expenses with the exclusion of expenses incurred using their own means of transport, of up to a maximum of €150,00, will be given to all candidates who have handed in an examination paper which can be evaluated or to all those participating in the oral exam of the Ph.D courses that provide this kind of exam only.

Interview by videoconference

Candidates applying to the Molecular Biology, Statistical Physics and the Theory and Numerical Simulation of the Condensed Matter Ph.D courses who intend to sit the interview by videoconference should state, under penalty of exclusion, the chosen platform (Skype or similar) and the user address that will be then used by the Commission for the interview. The candidate must be available at that address, on the day and at the time that will be notified by the Commission via e-mail.

For identification purposes, and under penalty of exclusion from the selection process, each candidate is required to identify themselves showing the same identity document already uploaded as an attachment to the application before the interview begins.

Failure to give personal address, lack of internet connection, unavailability of the candidate at the expected day/time, or failure to show a valid identification document, shall be reason for exclusion from the selection process. This does not apply if the candidate appears in person on the day and at the time of the interview.

SISSA accepts no responsibility in the event that technical reasons should prevent the proper conduct of the oral examination.

Should objective reasons, duly documented, prevent personal participation in the oral test, the candidate who has not sent a request for interview as an attachment to the application, can send it to protocollo@sissa.it four working days before the date set for the oral examination, enclosing a copy of a valid identity document. The Administration will give notice of acceptance of the request.

• Admission:

All those students admitted to the School will receive an e-mail confirming their place and fellowship. They will also be asked to be present at the School as follows:

1 October, 2018 for Mathematical Analysis, Modelling and Applications; Astroparticle Physics; Physics and Chemistry of Biological Systems; Geometry and Mathematical Physics, Theoretical Particle Physics and Theory and Numerical Simulation of the Condensed Matter;

5 November, 2018 for all other Ph.D courses.

Failure to do so without a valid reason will result in the loss of the place and fellowship awarded.

In order to be enrolled and to be awarded the fellowship, admitted candidates must pay a "Regional Tax" of the amount of €120,00 - €160,00 per year. Information can be found [at this page](#)

The International School for Advanced Studies will respect the reserved nature of the information submitted by the candidates. All the data will be used for the purpose of the competition only and for the eventual fellowship, in accordance with the Italian Legislative Decree 196/2003.

Trieste, 2 February 2018

The Director
Prof. Stefano Ruffo