



## Call for Applications

### Scholarships for Master's Students for Scientific Qualification within the Cluster of Excellence "Quantum Universe"

The projects will be undertaken at the Department of Physics or Mathematics of Universität Hamburg or, where applicable, at Deutsches Elektronen-Synchrotron (DESY). The scholarships will start on 1 April 2024 and will be endowed with €934 per month for a duration of 12 months.

#### Goal and Topics

The scholarships support the academic qualification in the framework of relevant master's programs of Universität Hamburg ([Mathematics](#), [Mathematical Physics](#), [Physics](#), [Physik](#) (in German)). Scholarship holders will complete the corresponding curricula, but at the same time participate in freely selectable research projects within the Cluster of Excellence. Scientific topics include particle physics, astrophysics, cosmology and mathematical physics. Research projects include, for example, Higgs physics, dark matter, gravitational waves and mathematical methods of quantum field theory, but also machine learning and detector development. See also <https://www.qu.uni-hamburg.de/>.

#### Requirements

Enthusiasm for the research topics of the Cluster of Excellence and exceptional grades in a Bachelor's degree program in Mathematics, Physics or a related subject are prerequisites. Besides applying for the scholarship, **applicants need to enroll for a Master's degree at Universität Hamburg** in [Mathematics](#), [Mathematical Physics](#), [Physics](#) (winter term only), or [Physik](#). The respective admission requirements apply. Students already enrolled in a Master's program in Hamburg are not eligible.

The University aims to increase the number of women in research and therefore explicitly encourages women to apply. Qualified disabled candidates or applicants with equivalent status receive preference in the application process. At Quantum Universe, we strive for more gender equity and diversity.

Applications are expected to include a cover letter specifying the motivation for applying for a scholarship within the Cluster of Excellence Quantum Universe and how the scholarship will help you to achieve your goals. Please state explicitly which Master's program you are planning to enroll in. It is necessary to express your consent that the selection committee may view your application materials for the MSc. program. Please also include a tabular curriculum vitae, copies of school and university degree certificates and transcripts of records, and a one-page description of your Bachelor's thesis (if your Bachelor's program required a thesis). Please fill in the enclosed application form additionally and attach it to your application. Furthermore, we ask you to arrange at least one letter of recommendation to be sent directly to us.

Please send your complete application materials electronically in a **single PDF** file until **9 February 2024** to [gurs.champp@uni-hamburg.de](mailto:gurs.champp@uni-hamburg.de). For further information, please see the FAQs at the end of this document.



## Application Form

### Scholarships for Master's Students for Scientific Qualification within the Cluster of Excellence "Quantum Universe"

– Please send in this application form **in addition** to your application materials –

Last name	
First name	
E-mail address	
Sex	female      male      diverse
Nationality	
Have you already applied for the Master's program at the Universität Hamburg?	yes      no If yes, for which subject have you applied: <i>please specify your subject if not in the list above:</i>  If yes, for which term have you applied at Universität Hamburg?
Are you already enrolled in the Master's program at the Universität Hamburg?	yes      no If yes, which Master's program: <i>please specify your Master's program if not in the list above:</i>  If yes, for which lecture term were you admitted?

University where you obtained your B.Sc. degree	
Bachelor of Science	specify the subject of study:  Date B.Sc.: Grade B.Sc.:
B.Sc. project/ thesis	yes                  no  Title of the project/ thesis:
Further degrees (e.g. B.Sc. or former M.Sc.?)	
Cover letter attached?	yes                  no
CV attached?	yes                  no
Letter of reference	How many?  By whom?
Consent that the selection committee may view your application materials for the M.Sc. program	yes                  no
Interested in which Quantum Universe area/ scientific directions? <a href="https://www.qu.uni-hamburg.de/cluster/profile.html">https://www.qu.uni-hamburg.de/cluster/profile.html</a>	
Visa needed for Germany?	yes                  no



## Frequently Asked Questions

### Scholarships for Master's Students for Scientific Qualification within the Cluster of Excellence "Quantum Universe"

#### Is it sufficient to apply only for the scholarship?

No, besides your scholarship application you need to follow the formal enrollment procedure for the respective Master's program. Only enrolled students will be considered for the scholarship.

#### I am currently a student in a Bachelor's program at Universität Hamburg and planning to enroll for the Master's in the upcoming term. Am I eligible to apply for the scholarship?

Yes, we would be very happy.

#### I am already a student in a Master's program at Universität Hamburg. Am I eligible to apply for the scholarship?

No. Exceptions exist for the transition phase until the Bachelor's degree is completed.

#### I am planning to enroll for the Master's program in Nanosciences/Industrial Mathematics/... at Universität Hamburg. Am I eligible to apply for the scholarship?

No, only students enrolled in one of the following four programs are eligible:

- Mathematics  
<https://www.math.uni-hamburg.de/studium/master/msc-mathematics.html>
- Mathematical Physics  
<https://www.math.uni-hamburg.de/studium/master/msc-mathematicalphysics.html>
- Physics (winter term only)  
<https://www.uni-hamburg.de/en/campuscenter/studienangebot/studiengang.html?1542298608>
- Physik  
<https://www.uni-hamburg.de/campuscenter/studienangebot/studiengang.html?1212161134>

#### What are the application periods for the Master's programs for the summer term?

- Mathematics: 01.12.2023 to 15.01.2024
- Mathematical Physics: 01.12.2023 to 15.01.2024
- Physics (winter term): 15.02.2024 to 31.03.2024
- Physik (German): 01.12.2023 to 15.01.2024

#### Are the scholarships offered on a regular basis?

Yes, we usually advertise the scholarships twice per year along with the application periods for the summer and winter terms.

#### If I receive the scholarship, will it be for a Master's in Physics or Master's in Mathematics?

Please indicate in the application for the scholarship for which Master's program you will enroll.

**Where can I find support with admission regulations, visa etc.?**

You may find a collection of information for international students at Universität Hamburg's Campus Center: <https://www.uni-hamburg.de/en/campuscenter/bewerbung/international/master.html>. Additional information is provided by the Universität Hamburg's international affairs department: <https://www.uni-hamburg.de/en/internationales/studierende/incoming/studium-mit-abschluss.html>.

**I am an international student. Do I have to provide any documents regarding my proficiency in English and/or German?**

No, such documents are not required to apply for the scholarship. Nevertheless, please check the admission requirements for the respective Master's program. For instance, for admission in the Master's program Physik you need to prove German proficiency.

**I have already completed a Master's program at a different University. Am I eligible to apply for the scholarship?**

Yes, you are eligible to apply in general. However, your motivation letter should make clear why an additional Master's degree is necessary for your career goals.

**I haven't written a Bachelor's thesis; instead I have done a final-year project report in my undergraduate studies. What should I send?**

Please send a one-page report of the project you consider the most relevant for your envisaged research at Universität Hamburg.

**Are recommendation letters required to apply for the scholarship?**

Yes, please arrange for at least one letter of recommendation to be sent directly to [gurs.champp@uni-hamburg.de](mailto:gurs.champp@uni-hamburg.de).

**May I be supported by the Quantum Universe scholarship besides my current scholarship (e.g. Studienstiftung etc.)?**

No, double funding is not possible. It is excluded in our scholarship contracts and usually also excluded by the respective foundations.

**The curriculum of the Master's program extends over two years. Will applicants be considered for scholarships throughout the program or only for the initial year of the program?**

The scholarship is limited to one year. Nevertheless, the research groups will support you to apply for further funding, e.g. via student jobs.

**Can I use the scholarship to finance the preparation of my Master's thesis?**

No, the scholarship is supposed to support your living expenses during the first year of the Master's program.

**Should I contact research groups of the cluster before I apply for the scholarship?**

It is not mandatory to contact research groups in advance. However, if you are interested in specific research groups, we recommend mentioning it in the motivation letter. For an overview of Quantum Universe researchers and research areas please visit <https://www.qu.uni-hamburg.de/research.html>.

For general information about our Cluster of Excellence Quantum Universe and our efforts to promote equity and diversity, please visit our website: <https://www.qu.uni-hamburg.de>.

If you have any questions, do not hesitate to contact us via [gurs.champp@uni-hamburg.de](mailto:gurs.champp@uni-hamburg.de)!