

Ocean and Climate Physics M.Sc.

Application Information

Application period: 15 February – 31 March (winter term)

Semester start: October 1st (winter term)

Language(s) of instruction: English

Introduction

The Institute of Oceanography at Universität Hamburg offers a master degree (M.Sc.) in Physical Oceanography and Climate Physics. This research oriented four semester course is directed to students with a B.Sc. degree in Physical Oceanography, Meteorology, Geophysics, Physics or an equivalent subject and provides profound knowledge on the physics of the ocean and its role in the climate system. Students will be educated and prepared for their future research in physical oceanography or other climate sciences. Furthermore, students are trained to autonomously implement and broaden scientific findings, methods and skills. For more details please check <https://www.ifm.uni-hamburg.de/en/education/master.html>.

We offer a few “Climate Futures Scholarships” for exceptional BSc graduates with strong research determination to pursue research and to advance within the academic system by pursuing a PhD or doctoral degree. Eligibility Criteria are i) admission to participating MSc program (Atmospheric Science, Ocean Climate Physics, Integrated Climate System Sciences), ii) excellent academic record in BSc program, demonstrated by BSc grades, a letter of motivation and up to two relevant reference letters, and iii) a strong determination to pursue research and to advance within the academic system by pursuing a PhD, demonstrated through a letter of motivation. Please find more details at <https://uhh.de/min-eap26>.

Admission Requirements

University degree

A B.Sc. in Geophysics or Physical Oceanography at Universität Hamburg or a comparable degree from a different university. A mathematical or physics-oriented B.Sc. degree can also be accepted, if mathematical and physical courses equivalent to the courses taught in the B.Sc. Geophysics/Oceanography, amounting to at least 90 ECTS in math, physics, numerics and/or fluid dynamics, have been completed.

If you have not received your degree certificate yet, you can submit this by the end of the first semester of your master’s program. Please see the “Documents to submit” section below for details.



Additional special admission requirements

Sufficient English language skills to follow scientific lectures, to give presentations and take examinations in English, and to write an English master thesis. (This confirmation can be based on your own assessment.)

For details of the legal basis for this regulation, please see the admission bylaws for your chosen degree program: www.uni-hamburg.de/zugang-master.

Recognition of transcripts for degree programs completed at foreign higher education institutions

If you obtained your first degree abroad, your certificate will be reviewed during the application procedure in the faculty of your program.

If your degree certificate is not in English or German, please include a copy of a certified English or German translation of the certificate with your application documents.

Application

Online Application

You will need to complete the online application available on University of Hamburg's application portal during the application period: www.uni-hamburg.de/online-application. Please create a user account, enter your information online, upload the required documents to your online application and submit your application online.

The application procedure for the master program is an online procedure. This means that you do not need to submit any documents in paper form or via email to Universität Hamburg. Instead, you have to upload the documents. Selection is based on the information you provide online and the documents you upload.

If you want to submit an additional special application (e.g. hardship application), you will need to send this special application separately via the online application portal together with the required proofs as an upload by the application deadline. For more information on special applications, please see www.uni-hamburg.de/sonderantrag and www.uni-hamburg.de/info-master.

Documents to submit

During the online application process you will be asked to upload the documents stated below.

- Copy of first university degree (e.g. B.Sc. in Geophysics/Physical Oceanography from Universität Hamburg or equivalent degree with at least 90 ECTS in mathematical-physical courses) or confirmation of forthcoming degree. Current transcript of records (including GPA) is always required.
- Letter of application indicating the reasons for your study request, especially as regards your interest in the subject as well as in a scientific further training.

- Short curriculum vitae including professional experience or internships (if any) which are relevant for the M.Sc.-course.
- Confirmation about sufficient English language skills to follow scientific lectures, to give presentations and take examinations in English, and to write an English master thesis. (This confirmation can be based on your own assessment.)
- If you are interested in the Early Admittance Program (EAP), please submit an additional, specific letter of motivation for the EAP of no more than two pages (optional).

Please submit uncertified copies of all documents. For documents not issued in English or German, a certified English translation is required.

Selection criteria

If the number of applicants exceeds the number of places available, a selection procedure will be necessary according to the following criteria:

- a) the final grade of the first professional B.Sc. degree
- b) reasoning of the application in a motivation letter
- c) the level of similarity of the first professional B.Sc. degree with the B.Sc. degree Geophysics/Oceanography at the Faculty of Mathematics, Informatics and Natural Sciences

The criteria will be evaluated according to the grading scale of the M.Sc. Ocean and Climate Physics. Criterion **a)** will be weighted with 60 %, Criteria **b)** und **c)** with 20 % each.

For details of the legal basis for this regulation, please see the selection bylaws for your chosen master's program: www.uni-hamburg.de/auswahl-master.

Admission and enrollment

Once your application has been reviewed, an acceptance or rejection letter will be made available in your STiNE account under the Dokumente (Documents) tab. Please see the information at www.uni-hamburg.de/online-application. An enrollment deadline will be indicated in your acceptance letter - please submit the documents required for enrollment by this date. The enrollment process is an online process. Detailed information about the enrollment process is provided at www.uni-hamburg.de/masterenrollment.



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FAKULTÄT

MATHEMATIK, INFORMATIK
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Last updated: January 2026