

FOR INTERESTED STUDENTS

Inform yourself through...

...our website

where the School of Integrated Climate System Sciences offers detailed information on the curriculum and ongoing activities. Furthermore, you gain insight into the different working groups and the variety of research areas of the KlimaCampus.

www.sicss.de · www.klimacampus.de · www.cen.uni-hamburg.de

... the “Unitage der Universität Hamburg”

where you can visit the KlimaCampus and learn about climate system research.

www.unitage.de

... educational fairs

where the School of Integrated Climate System Sciences is represented.

... personal advice

from the coordinator of the School of Integrated Climate System Sciences, PD Dr. Oliver Dilly, the Head of the School, Prof. Dr. Detlef Stammer, or from the members of the SICSS Committee.

Faculty of Mathematics,
Informatics and Natural Sciences

Faculty of Economics
and Social Sciences

More information on the MSc in
“Integrated Climate System Sciences”
is available on the following websites:

www.sicss.de
www.klimacampus.de
www.cen.uni-hamburg.de

Contact

University of Hamburg

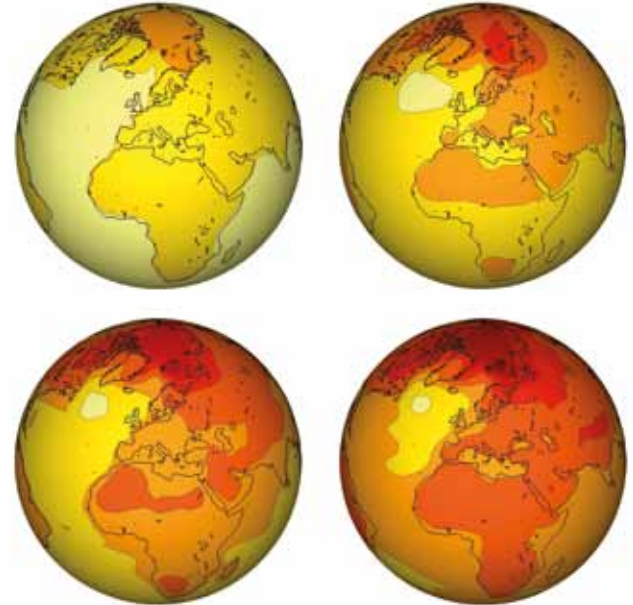
Faculty of Mathematics, Informatics
and Natural Sciences (MIN)

School of Integrated Climate System Sciences (SICSS)
KlimaCampus
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SICSS Office

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SICSS · Grindelberg 5



www.sicss.de

Competence in climate
Master`s Program
Integrated Climate System Sciences

 **Universität Hamburg**
DER FORSCHUNG | DER LEHRE | DER BILDUNG

 **KlimaCampus**

INTEGRATED CLIMATE SYSTEM SCIENCES IN HAMBURG

KNOWLEDGE OF THE CLIMATE SYSTEM FOR YOUR CAREER

IN RESEARCH AND CLIMATE SCIENCE RELATED PROFESSIONS



Why Climate System Sciences?

Climate change is recognized as one of the greatest challenges for mankind and an important factor in shaping strategies for future sustainable development. Accordingly, there is a growing demand in all kinds of professional fields for expertise in climate system science and its applications.

Why study in Hamburg?

As a student you will be introduced to state-of-the-art climate research through lectures on fundamentals of climate system sciences (combining atmo-, hydro-, cryos-, litho-, bio- and sociospheric aspects). Foci are the integration of models and observations, questions of predictability and uncertainties as well as the evaluation of climate scenarios.

The KlimaCampus at the University of Hamburg is an internationally recognized consortium of climate system scientist (a cooperation of several university institutes with the Max Planck Institute for Meteorology, the Institute for Coastal Research of the Helmholtz Center Geesthacht, and the German Climate Computing Center). The campus is located in the lively urban and multicultural heart of Hamburg.

MSc Integrated Climate System Sciences

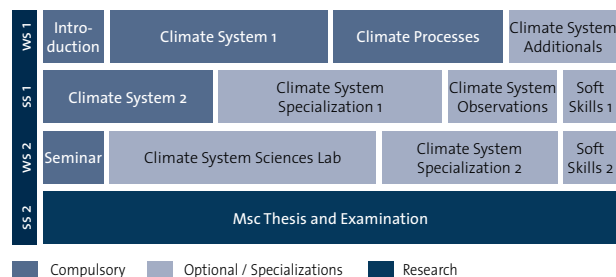
The international MSc program offers courses in all fields of climate system sciences. At present, the program allows the specialization in one of following three tracks:

- › physics of the climate system;
- › biogeochemistry of the climate system;
- › climate related economics and social sciences.

The program comprises lectures, seminars, tutorial classes, computer labs and practical trainings in the field. All courses are held in English. Class size is limited to 20 students.

Program structure

The first semester is mainly devoted to introductory courses in climate system sciences, covering all relevant fields of climate research (24 CP) with the opportunity for some specialization (6 CP). In the second semester courses in climate dynamics (9 CP) complete the compulsory basic education in Physics. Students specialize within their chosen track (12 CP), while also expanding their knowledge in the other tracks (6 CP) and refine their research and technical skills (3 CP). The third semester prepares students through in-depth study projects for their master thesis (15 CP). Complementary courses including tools and methods complete the interdisciplinary training (15 CP). The final semester is dedicated to the completion of the MSc thesis (30CP).



Professional perspectives

The Master's degree in integrated climate system sciences will provide the basis for a professional career in climate research, continuing with a doctorate program. Simultaneously, it qualifies for a career as climate science communicator in international organizations, global enterprises and agencies.

Application requirements and start

Demonstrated skills in mathematics and physics (equivalent to 90 CP) and a B.Sc. or B.A. degree in a subject related to climate system sciences such as meteorology, oceanography, or environmental physics are required. Non-native English speakers need to demonstrate fluency in understanding, speaking, reading and writing the English language. Your complete application includes a letter of motivation and CV. All applications are considered individually on merit.

For details on application: Please visit our website

Starting date: Every October (every winter semester)

