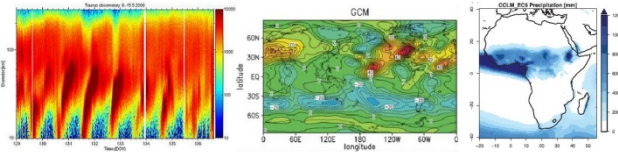


Advanced Degree Programmes

Many meteorology students pursue a doctorate after completion of a master degree. For this purpose, the Institute for Atmospheric and Environmental Studies offers numerous opportunities.



Counseling and Support

Preliminary information regarding the curricula can be found at the student services center:

Studien-Service-Center
Zentrale Studienberatung
Campus Westend
PEG-Building
Grüneburgplatz 1
60323 Frankfurt am Main
Tel. +49 (0)69-798-3838
Office hours: Mon. and Wed. 2:30pm – 5:00pm,
Tue. and Thu. 9:30am – 12:00pm
Further details at:
<http://www2.uni-frankfurt.de/36735485/zsb>

For field specific questions:

Fachstudienberatung Meteorologie
Dr. Heinz Bingemer
Altenhöferallee 1
60438 Frankfurt am Main
Room 3.319
Tel. +49 (0)69-798-40257
E-Mail: Studienberatung@iau.uni-frankfurt.de

Further Information

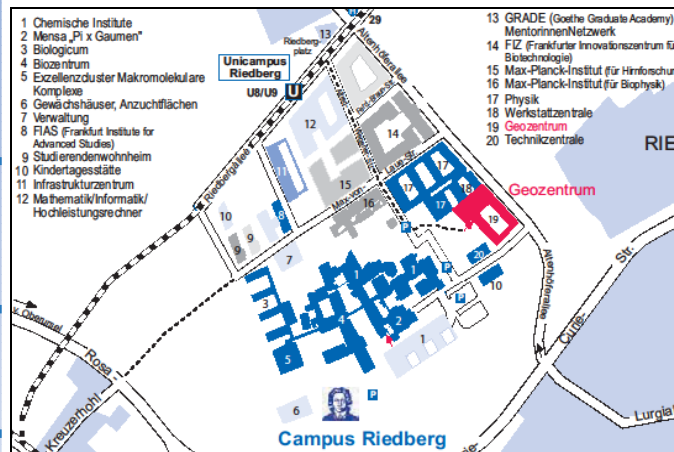
To get an impression of the Institute for Atmospheric and Environmental Sciences please visit:
<http://www2.uni-frankfurt.de/45678073/IAU>

A detailed description of the MSc Meteorology curriculum can be found at:
http://www2.uni-frankfurt.de/43714496/meteorologie_master

Objectives, subject matter, overall structure, and performance requirements of the Meteorology degree program are defined in the study regulations and can be downloaded from:
<http://www2.uni-frankfurt.de/43715100/fachbeschreibung>

For general university admission requirements and procedures please visit:
<http://www2.uni-frankfurt.de/34789085/bewerbung>

The Institute for Atmospheric and Environmental Sciences is located at the Geozentrum, Campus Riedberg, Altenhöferallee 1, 60438 Frankfurt am Main



Meteorology (Master of Science)



Program Description

Meteorology is the science of weather and climate. It is a discipline of the geosciences, with strong roots in physics, which investigates atmospheric processes using empirical and theoretical methods. Apart from physics and mathematics, there are also connections to chemistry, oceanography, hydrology, and geography.



Program Structure

The Master of Science (MSc) meteorology degree provides preparation for a subsequent professional career or doctorate studies. Unlike the bachelor programme, which lays the scientific foundation, graduate students of meteorology are given freedom to compose their curriculum according to their personal interests. Students broaden their expertise through required courses covering topics from experimental and theoretical meteorology along with courses associated with their minor. Minor subjects include:

- Chemistry
- Geosciences
- Mathematics
- Economics
- Business Administration
- Physics
- Computer science
- Electronics
- Geography
- Biology

Starting during first semester coursework, representatives of individual research groups systematically guide students toward the research that will be the subject of a six month master thesis to be conducted during the fourth semester. After successful completion of the curriculum, a 'Master of Science' title is awarded.

Prerequisites

The core requirement for admission to the master degree program in meteorology is a successfully completed bachelor degree, including a bachelor thesis. There are a variety of options, such as:

- a bachelor degree majoring in meteorology, or
- a bachelor degree majoring in physics and minoring in meteorology (comprising a minimum of 20 credit points), or
- a university or technical degree comparable to a BSc meteorology degree, obtained within a minimum regulatory six semester study period, or
- a foreign degree in meteorology, or related field, that is comparable to a BSc meteorology and was obtained within a minimum regulatory six semester study period

Students in the BSc meteorology programme, who have not completed their degree prior to application for admission, may receive temporary admittance under certain conditions. Applicants with foreign degrees must provide proof of proficiency in the German language prior to enrollment.

Study in Frankfurt

The study of Meteorology in Frankfurt offers many advantages:

- close and on-site cooperation with the German Weather Service
- good individual supervision:
 - mentoring program
 - small tutorial groups
 - high professor to student ratio
- a variety of research topics from different work groups offers students a broad range of specialization opportunities
- the institute's affiliation with the Taunus observatory on the Kleine Feldberg facilitates experimental work in the field
- grouping of all important natural sciences (chemistry, physics, geo sciences) except mathematics on a single campus provides good interdisciplinary exchange

- good field-related job opportunities due to close proximity to the German Weather Service and the Hessian Environmental and Geological Agency, among others
- good transport connections to all campuses via the public transportation network

Frankfurt also has much to offer outside of university life, not least due to its cultural diversity

Professional Fields of Activity

The completion of a 'Master of Science' degree demonstrates the capability to independently apply and develop scientific methodology in the area of meteorology. A graduate of a master degree programme is sufficiently trained to make viable contributions to scientific and technical development in his or her field of specialization and to meet the constantly varying demands, both professionally and socially, on an international level. Apart from a high standard in analytical abilities, qualifications such as teamwork, presentation skills, computational skills, and many more, are attained during the course of study. Meteorologists are therefore often sought after in the economic, industrial, and public sectors. Typical fields of occupation are:

- German Weather Service and private sector weather services
- environmental agencies
- research and development in the areas of environmental engineering and renewable energies
- public administration
- Management
- banking and the stock exchange
- systems analysis
- data processing and analysis
- patent laws, and
- business consultancy