Overview of the Degree Program

- **Degree**
  Master of Science (M.Sc.)
- **Regular Program Length**
  4 semester (full-time program)
- **Credit Points (ECTS)**
  120 credit points
- **Language of Instructions**
  English
- **Admission Requirements**
  - a completed bachelor’s or equivalent degree in Meteorology or related discipline such as Physics, Mathematics, Geology, Hydrology or Oceanography
  - necessary minimum requirements completed in the bachelor program in
    - Meteorology of 30 ECTS credit points
    - Physics 30 ECTS credit points
    - Mathematics 12 ECTS credit points
  - If the requirements are not fulfilled completely, a conditional admission is possible
  - proof of sufficient knowledge of English of at least CEFR B2 level (TOEFL, IELTS, TOEIC, Cambridge Certificate)

Details are found in the current admission regulations.

- **Limited Capacity**
  no
- **Application Deadline**
  September 30 / March 31 for the 1st semester
  (For applicants with German or EU nationality)
  Juli 15 / January 15 for the 1st semester
  (For all other international applicants)

Questions?

If you have **general questions** about the degree program, studying at KIT or the application process:
Carmen Reck, your student advisor at ZSB:
carmen.reck@kit.edu

If you have **specific questions** concerning the curriculum of the degree program:
Katharina Maurer, your academic advisor at the KIT-Department of Physics: katharina.maurer@kit.edu

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Career Prospects

MSc graduates in Meteorology and Climate Physics have a high level of employability across a wide spectrum of interesting and challenging jobs. These include:

- stay in research and do a PhD, focusing on an academic career
- public weather services such as the German Weather Service (DWD) or private weather companies
- the insurance sector, evaluating risks due to weather and climate hazards
- the energy sector, providing reliable forecasts and predicting critical situations
- climate services, creating information resources and platforms for decision makers to adapt and prepare for climate change
- data science, processing big data in economy and engineering

Characteristic Features of the Degree Program at KIT

- Comprehensive education in meteorology and climate physics
- Studying at one of the largest and renowned institutions for atmospheric research in Germany
- Study work in small, well supervised groups
- Large percentage of practical experience (exercises, project work)
- Research-oriented teaching and high potential of active involvements in research projects
- For prospective doctoral candidates: Karlsruhe House of Young Scientists (KHYS)
- Campus close to the city of Karlsruhe, known for its warm and intercultural climate

Program Structure

- **1st semester**
  - Atmosphere and Climate Processes
    - Components of the Climate System (12 CP)
    - Atmospheric Processes (12 CP)
    - Elective I (4 CP)

- **2nd semester**
  - Applied and Experimental Meteorology
    - Experimental Meteorology (14 CP)
    - Applied Meteorology (10 CP)
    - Elective II (4 CP)

- **3rd semester**
  - Research Work
    - Specialization Phase: Scientific Concept Development (30 CP)

- **4th semester**
  - Master thesis (30 CP)