



**Overview of the compulsory and elective components as well as the requirements in the study units (curriculum) according to the [Natural Sciences Doctoral Studies Regulations](#)**

(1) Compulsory components

Effort: min. 12 CP and max. 18 CP

(a) Initial supervisory meeting with supervision agreement (0.5 CP)

A copy of the supervision agreement with its attachments must be submitted to the representative of the doctoral program within six months of admission to the doctoral program. For the effort, 0.5 CP will be credited to the required number of credit points according to § 7 (1).

(b) Annual supervisory meetings (1.5 CP)

There shall be at least three supervisory meetings documented in writing within the framework of the doctoral studies according to § 13 (1) and (2). For the effort, 0.5 CP per supervisory meeting will be credited to the required number of credit points according to § 7 (1). A copy of the supervision agreement, modified if necessary, with its attachments must be submitted to the representative of the doctoral program within one month after the meeting has taken place.

(c) Scientific colloquium/seminar (min. 5 CP)

Participation in events amounting to at least 1 CP each per semester and for at least 5 semesters is mandatory. Attendance of at least 80% per semester (12 dates/semester, 1 SWS, 1 CP) must be proven.

(d) Presentation of own research work (min. 3 CP)

The doctoral student's own research work must be presented at least once per year and at least three times during the doctoral studies. For the effort 1 CP per presentation will be counted towards the required number of credit points according to § 7 (1). The presentation can take place, for example, in the context of working group seminars, conferences, colloquia, graduate seminars or lectures.

(e) Courses on good scientific practice (min. 1 CP)

Events on good scientific practice are intended to educate doctoral students on how to avoid scientific misconduct and to help ensure that doctoral students follow the rules of good scientific practice. Participation in good scientific practice events totaling at least 1 CP is mandatory. Doctoral students may refer to the courses offered by the Dahlem Research School.

(f) Courses on diversity (min. 1 CP)

Diversity events are designed to educate doctoral students about the various dimensions of diversity and to help doctoral students reflect on their thinking and actions in relation to diversity and discrimination. Participation in diversity events totaling at least 1 CP is mandatory.

## (2) Elective components

The compulsory elective components are divided into (a) project-related and overarching scientific study units and (b) interdisciplinary study units. The effort for the compulsory elective components amounts to a total of at least 12 CP and a maximum of 18 CP. Both project-based and overarching scientific study units as well as interdisciplinary study units must be completed in order to receive credit for the required elective components. The study units listed represent examples.

- (a) Project-based and overarching scientific study units, e.g.
  - Subject-related advanced training courses (laboratory workshops, methodological workshops)
  - Subject-related (teaching) events (internship, lecture, seminar)
  - Courses on statistics, programming, good laboratory practice, etc.
  - Courses/events on good scientific practice, research data management
  - Conference participation with own contribution
  - Co-supervision of theses (Bachelor, Master)
  - Teaching activities
  - Collaboration in the application process of a research project
  
- (b) Interdisciplinary study units, e.g.
  - Key qualifications relevant to science (e.g. scientific writing, disputation training, time management, presentation training)
  - IT courses (e.g. literature management)
  - Event organization (e.g. conference, symposium, colloquium, network, graduate program)
  - Training for teaching, courses in higher education didactics
  - Courses on interdisciplinary (subject) communication, scientific communication
  - Courses on intercultural competence, diversity competence
  - Foreign languages relevant to science
  - Career development (e.g. application training, career events, mentoring program)