

Bei der vorliegenden Übersetzung handelt es sich um eine nichtamtliche Lesefassung der Besonderen Bestimmungen für Promotionen des Fachbereichs Elektrotechnik der Universität Kassel zu den Allgemeinen Bestimmungen für Promotionen an der Universität Kassel (AB-PromO) vom 14. Juli 2021.

Maßgeblich und rechtlich verbindlich ist nur der im Mitteilungsblatt der Universität Kassel veröffentlichte Text.

The translations do not have any legal binding effects, the official versions in German are published in Mitteilungsblatt der Universität Kassel.

New Version of the Special Provisions for the Faculty of Electrical Engineering and Computer Science at the University of Kassel related to the General Provisions for Doctoral Degrees at the University of Kassel (AB-PromO) dated 18 November 2024

§ 1 Scope of application

According to Section 24 of the General Provisions for Doctoral Degrees at the University of Kassel (AB-PromO), the Faculty of Electrical Engineering and Computer Science at the University of Kassel is issuing the following Special Provisions to complement the General Provisions for Doctoral Degrees at the University of Kassel (AB-PromO), both in their latest version.

§ 2 Doctoral degrees, doctoral degree subjects

According to Section 1 Para. 3 of the AB-PromO, the Faculty of Electrical Engineering and Computer Science awards these doctoral degrees following completion of the proper doctoral procedure:

1. Doctor of Engineering (Dr.-Ing.) in the doctoral degree subjects of electrical engineering, mechatronics with a major focus on electrical engineering, industrial engineering with a major focus on electrical engineering and computer science with a technically oriented focus

as well as the academic degree of
2. Doctor of Sciences (Dr. rer. nat.) in the doctoral degree subjects of computer science, environmental system engineering and micro-system engineering, if applicable, in cooperation with the faculties of mathematics and/or natural sciences.

§ 3 Doctoral examination committee

- 1) According to Section 2 Para. 1 of the AB-PromO, the Faculty of Electrical Engineering and Computer Science must form a natural sciences doctoral examination committee (Dr. rer. nat.) for the doctoral degrees that can be assigned to natural sciences (Dr. rer. nat.).
- 2) According to Section 2 Para. 1 in conjunction with Para. 3 of the AB-PromO, the Faculties of Electrical Engineering/Computer Science and Mechanical Engineering must form a joint doctoral examination committee for the Doctor of Engineering degree (Dr.-Ing.).

§ 4 Acceptance requirements

- 1) The major precondition for acceptance as a doctoral degree candidate according to Section 3 Para. 1 of the AB-PromO is the relevant completion of an academic degree in the subjects of electrical engineering, computer science, mechatronics, industrial engineering with a major focus on electrical engineering, environmental engineering, environmental sciences, physics, mathematics, nanostructure sciences or in relevant subjects. In any cases of doubt, the doctoral examination

committee must check on the basis of a written statement by the supervisor whether the degree subjects available can be viewed as relevant subjects for the main degree course, which is designed to create the conditions for the doctoral degree in the relevant doctoral degree subject.

- 2) Candidates with a degree in line with Section 3 Para. 2 of the AB-PromO are accepted after successfully passing an assessment of eligibility as a doctoral candidate. The assessment of eligibility takes place in line with the examination regulations for the relevant subject. Graded coursework and examination work must be completed. The scope should not normally exceed 60 credits. The doctoral examination committee must set and communicate the type and scope of the coursework and examination work that is to be completed. A written statement from the supervisor about the academic quality and feasibility of the project, which is one page long, must be attached to the application for the assessment of eligibility.
- 3) Candidates with a degree in line with Section 3 Para. 3 of the AB-PromO (change of course) can be accepted if a written statement by the supervisor about the academic quality and feasibility of the project, which is one page long, is attached to the application.
- 4) Candidates according to Section 3 Para. 6 of the AB-PromO, who can provide evidence of several years of teaching and/or research work at universities or at recognised research institutes or have special, academically relevant teaching practice, can be accepted as doctoral candidates. The doctoral examination committee must make the decision here.
- 5) Candidates with foreign certificates must provide evidence of an adequate knowledge of German, English or a different language, in which the doctoral procedure can be completed. The doctoral examination committee must set and communicate the need for evidence that the knowledge of a language has been tested.
- 6) The grade “good” is set as the minimum grade in the university degree for acceptance as a doctoral candidate for the academic subjects at the Faculty of Electrical Engineering/Computer Science. The doctoral examination committee may deviate from this in justified exceptional cases.

§ 5 A cumulative thesis

- 1) A thesis written on a cumulative basis is permissible as an alternative to a monograph, provided that the supervisor agrees to this.
- 2) A cumulative thesis must consist of at least three articles, which have gone through a peer-review process at international, reviewed journals or at symposia and have then be verifiably accepted for publication or have already been published. Publications can only be listed in a cumulative thesis if considerable shares have been produced by the doctoral candidate in question. Non-published material, which is closely related to the publications in its content, can be attached to complement the material.
- 3) The individual articles must be related in terms of their subject matter and content and should be brought together in a thesis with consistent language. In addition to having a joint title, a distinct introduction related to outlining the current state of research, transitional passages between the inserted publications and their classification within the development of research are all necessary – together with a common, cohesive bibliography.
- 4) When including published articles or those accepted for publication, which have been written by several authors, a statement (Annex 1) about the personal share in the papers must be attached to the thesis. The co-authors must confirm the details provided here. If this is not possible on an individual basis, the doctoral examination committee must make a decision.
- 5) No more than one examining person may be a co-author of one or more of the specialist articles that are included. In this case, a third examiner’s report must be requested.
- 6) The examining process for the specialist articles does not replace the assessment of the examiners in the doctoral procedure. They must guarantee that the requirements here are just as high as for

a monograph thesis. The entirety of the submitted publications and the connecting text must be assessed in line with the requirements for monograph theses.

§ 6 Studies supporting the doctoral degree

- 1) Doctoral candidates in the Faculty of Electrical Engineering and Computer Science can attend a course to support their studies according to Section 20 of the AB-PromO for research-oriented further training in the relevant doctoral degree subject.
- 2) The content of the studies supporting the doctoral degree must be set with the responsible supervisor.

§ 7 Printing costs allowance

A printing costs allowance may be granted for outstanding work that is made available to the academic world through publication at a specialist publishing house, provided that the finances are available. No right to this exists.

§ 8 Taking effect

- 1) The Special Provisions of the Faculty of Electrical Engineering and Computer Science take effect on the day after their publication in the Official Gazette of the University of Kassel.
- 2) The Special Provisions of the Faculty of Electrical Engineering and Computer Science dated 15 November 2006, most recently amended on 14 November 2007, cease to be valid after 31 December 2032.

Kassel, 18 November 2024

Dean of the Faculty of Electrical Engineering and Computer Science
Prof. Dr. sc. techn. Dirk Dahlhaus

Annex 1

University of Kassel, Faculty 16

Statement related to the cumulative thesis in the academic subjects of electrical engineering, mechatronics with a major focus on electrical engineering, industrial engineering with a major focus on electrical engineering, computer science, environment system engineering and micro-system engineering.

Statement about my personal share of the academic papers intended for publication or already published within my doctoral thesis in accordance with Section 5 of the Special Provisions of the Faculty of Electrical Engineering and Computer Science related to the General Provisions for Doctoral Degrees at the University of Kassel (AB-PromO) dated 14 July 2021

To be completed by the candidate:

1. Surname, first name

Specialist field (external institution, if applicable)

Subject of the thesis

2. Numbered list of submitted papers (titles, authors, where and when published or submitted):

1.

2.

etc.

3. Disclosure of your own contribution to these papers:

State which work you performed in these writings (personal authorship in the relevant text and e.g. your personal share in developing the concept, literature research, method development, design of experiments, data collection, data analysis, results of discussions, preparing the manuscript, programming, argumentation) and to what degree (e.g. completely, predominantly, for the most part, in part) you were involved in this.

Re. no 1

Re. no 2

etc.

4. Addresses (e-mail) of the respective co-authors:

Re. no 1

Re. no 2

etc.

Date, signature of the applicant