

**Subject-specific Examination Regulations for the
Bachelor's Degree Programmes
Electrical Engineering, Energy Engineering, Mechanical Engineering,
Mechatronics and Industrial Engineering
at Kaiserslautern University of Applied Sciences
in the version of June 14, 2024**

(Hochschulanzeiger No. 4/2024 dated June 26, 2024, p. 2)

This English translation serves solely for information purposes. Please note that only the German version is legally binding.

This unofficial reading version applies to all students of the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering who enrol in the programme starting in the winter semester 2024/2025.

Students who began their studies at an earlier point in time can get information at the Examination Office about the version applicable to them and a possible transfer to this new version.
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For information purposes: In the portal/QIS, the name PO 2024 is used (PO being the German abbreviation for <i>Prüfungsordnung</i> = Examination Regulations).
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Pursuant to Sec 7 (2) No. 2 in conjunction with Sec 86 (2) No. 2 of the German Higher Education Act (HochSchG) in the version dated September 23, 2020 (GVBl. p. 461), last amended by the Act dated July 22, 2021 (GVBl. p. 453), BS 223-41, the Faculty Council of the Faculty of Applied Engineering passed the following Subject-specific Examination Regulations for the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering on May 29, 2024. The Senate of Kaiserslautern University of Applied Sciences commented on this on June 05, 2024 and the Presidential Board approved these Subject-specific Examination Regulations on June 12, 2024. They are hereby published in accordance with Sec 7 (6) HochSchG.

Content

Sec 1 Area of Applicability of these Subject-Specific Examination Regulations

Sec 2 Type of Degree Programmes and Academic Degree

Sec 3 Start of Studies, Regular Duration of Studies, Scope and Structure of Courses Offered

Sec 4 Special Admission Conditions for the Degree Programmes

Sec 5 Examination Board

Sec 6 Admission Conditions for Examinations

Sec 7 Compulsory Elective Modules

Sec 8 Types and Forms of Examinations, Times for Completion, Deadlines for Retakes

Sec 9 Bonus Points for Additional Work during the Semester

Sec 10 Practical Study Phase

Sec 11 Semester Abroad

Sec 12 Bachelor's Thesis and Colloquium about the Bachelor's Thesis

Sec 13 Module Grade, Calculation of Overall Grade and Transcript of Records

Sec 14 Area of Applicability, Effective Date, Expiration Date, Transitional Regulations

Annexes:

Annex 1 Modules and examinations in the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering

Sec 1 Area of Applicability of these Subject-specific Examination Regulations

(1) These Subject-specific Examination Regulations govern the subject-specific prerequisites for participation in examinations, the examination requirements and the examination procedure for the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering. Examination regulations that apply across degree programmes are specified in the General Bachelor's Examination Regulations of Kaiserslautern University of Applied Sciences (ABPO) in their applicable version. The ABPO shall apply unless otherwise provided for in these Regulations. In particular, they contain provisions on the following aspects:

- Purpose of the Bachelor's Examination (Sec 2 ABPO)
- Examination Board (Sec 3 ABPO)
- Examiners and Assessors, Bachelor's Thesis Supervisors (Sec 4 ABPO)
- General Admission Conditions and Admission Procedure (Sec 5 ABPO)
- Types and Forms of Examinations, Module Examinations, Deadlines, Learning Support Measures (Sec 6 to Sec 9b ABPO),
- Practical Study Phase (Sec 10 ABPO)
- Bachelor's Thesis and Colloquium (Sec 11 and Sec 12 ABPO)
- Assessment of Exams and Module Examinations (Sec 13 ABPO)
- Examination Procedure and Credit for Academic Achievements (Sections 14 – 17 ABPO)
- Scope of Bachelor's Examination, Calculation of Overall Grade, Transcript of Records (Sec 18 and Sec 19 ABPO)

(2) The Annexes listed in the Table of Content are an integral part of these Subject-specific Examination Regulations.

Sec 2 Type of Degree Programmes and Academic Degree

(1) The Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering are undergraduate scientific degree programmes leading to a first academic degree that qualifies the graduate for a profession.

(2) Upon successful completion of the Bachelor's examination in the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering, the academic degree "Bachelor of Engineering" (abbreviated as "B. Eng.") is awarded.

Sec 3 Start of Studies, Regular Duration of Studies, Scope and Structure of Courses Offered

(1) Regular admission to the degree programmes is only possible in the winter semester.

(2) The time frame during which the studies can generally be completed (regular duration of studies) is seven semesters. Overall, a total workload corresponding to 210 ECTS (European Credit Transfer System) credits is assigned to these degree programmes. Each ECTS credit represents a workload of 30 hours.

(3) The courses offered extend over seven semesters. Depending on the degree programme, compulsory modules worth 143 to 201 credits and compulsory elective modules worth at least 9 to 67 credits must be completed. These modules and the graded exams and academic achievements required by Sec 15 (1) ABPO for passing the Bachelor's examination are listed in Annex 1.

(4) In the degree programmes Electrical Engineering, Mechanical Engineering and Industrial Engineering, students choose a specialisation (study focus) from the possible specialisations listed in the Annex. The date and procedure for the selection are determined by resolution of the Faculty Council and shall be announced in a timely manner; in the degree programme Industrial Engineering, the selection is made upon enrolment. The selection of the specialisation must be made in writing. Switching to another specialisation is possible, provided no examination has been failed without the possibility of appeal. The specialisation is listed as a study focus on the Transcript of Records.

(5) The specialisation "Digital Product Development" in the degree programme Mechanical Engineering is offered exclusively in English. In the specialisation "Production Engineering" in the degree programme Mechanical Engineering, students select a specialisation variant according to Annex 1 in addition to the specialisation.

(6) The degree programme Mechanical Engineering can be studied entirely in English, provided that the specialisation "Digital Product Development" was selected as a binding option upon enrolment and that language proficiency is demonstrated in accordance with Sec 4 (2). Selection of a different specialisation is not possible when the degree programme is studied in English. Switching to another specialisation in accordance with Para. 4 is only possible if students whose native language is not German and who do not have a German higher education entrance qualification can demonstrate German language proficiency at level B2 of the Common European Framework of Reference for Languages (CEFR) by means of a recognised language certificate (in particular DSH-1, Goethe Certificate B2, DSD II, TestDaF TDN 3) or by demonstrating their German language proficiency orally to the Head of the degree programme and a

person appointed by the Examination Board. Periods of apprenticeship or study in German may be deemed acceptable. Once the student has switched to a different specialisation, the remainder of the degree programme will be completed in German.

(7) Sufficient proficiency in the English language is a prerequisite for understanding course content and taking examinations in English. German and English are permitted as examination languages. The examination language is generally the language in which the corresponding courses are held. Para. 6 remains unaffected by this provision.

Sec 4 Special Admission Conditions for the Degree Programmes

(1) Only those who can demonstrate prior relevant practical training (basic internship) will be admitted to the degree programme. For all degree programmes, the basic internship comprises 30 net days of on-site presence (i.e. excluding holidays and absences) in the context of full-time employment in a company. The details regarding the required basic internship are regulated by the Faculty Council. Proof of the internship can be provided by the third subject-specific semester at the latest; admission to examinations for compulsory modules in the third to seventh semesters is only possible once proof of the basic internship has been provided. Credit can be given for relevant professional experience, an apprenticeship or equivalent activities abroad.

(2) Admission to the Bachelor's degree programme Mechanical Engineering in the English-language variant pursuant to Sec 3 (6) is only granted to applicants who, in addition to the existing admission conditions, provide evidence of the following levels of language proficiency:

1. Applicants whose native language is not German need to have good English language proficiency the latest at the time of application, at least at level B2 according to the "Common European Framework of Reference for Languages" (CEFR) (GER), TOEIC Listening 400 and Reading 385, TOEIC Speaking 160 and Writing 150, TOEFL iBT 87, TOEFL ITP 543, IELTS 6,0 or equivalent at the time of the application.
2. All applicants whose native language is not German need to have German language proficiency at least at level A1 according to the "Common European Framework of Reference for Languages" (CEFR) at the time of the application in order to be admitted to the degree programme.

As evidence, applicants must submit a certificate from a recognised language examination that is no more than 24 months old.

Sec 5 Examination Board

(1) The Examination Board comprises:

1. six professors,
2. two members from the group of students pursuant to Sec 37 (2) No. 2 of the German Higher Education Act (HochSchG) and
3. two members of the joint group pursuant to Sec 37 (2) No. 3 and 4 of the HochSchG, insofar as the General Regulations do not make use of Sec 37 (2) Sentence 5 2nd Half-Sentence of the HochSchG.

(2) The Examination Board decides by majority vote. In the event of a tied vote, the presiding member shall cast the deciding vote.

Sec 6 Admission Conditions for Examinations

(1) Modules may contain learning support measures or exams that are prerequisites for admission to examinations. If such measures or exams exist, they are shown accordingly in Annex 1.

(2) Admission to the examinations of the fifth, sixth and seventh subject-specific semester according to Annex 1 is only granted to students who have passed the examinations of the compulsory modules of the first and second subject-specific semester according to Annex 1. This applies to examinations in compulsory elective modules if these are assigned to the fifth to seventh subject-specific semester in accordance with Annex 1 or the catalogue of compulsory elective modules. If compulsory or compulsory elective modules contain several or combined examinations, the lowest subject-specific semester specified in each case shall be deemed to be assigned. In particularly justified cases, the Examination Board may grant exceptions to this rule.

(3) Admission to the Practical Study Phase is only granted to students who have earned at least 150 ECTS credits in their degree programme.

(4) Admission to the Bachelor's thesis is only granted to students who have successfully completed the Practical Study Phase and have earned at least 150 ECTS credits in the respective degree programme.

Sec 7 Compulsory Elective Modules

(1) The degree programmes include compulsory elective modules, which must be completed in accordance with the details provided in Annex 1.

(2) A compulsory elective module is taken by registering for an examination assigned to this compulsory elective module. The prescribed minimum number of ECTS credits for the respective degree programme must be earned in accordance with Annex 1 by selecting the appropriate compulsory elective modules. Compulsory elective modules that have been selected may be deselected again, as long as an examination in this compulsory elective module has not been failed without the possibility of appeal. Subject to Sec 6 (2), any number of compulsory elective modules may be taken. Upon request, compulsory elective modules taken in excess of the minimum number of credits can be included in an annex to the Transcript of Records.

(3) The Faculty Council offers a catalogue of possible compulsory elective modules at the start of the lecture period for each semester. The compulsory elective modules shall be announced in good time and bindingly in terms of content, scope and examinations, prerequisites to admission to examinations as well as types of examinations; attention shall be paid to a balanced ratio of the different forms of examinations. The courses of the compulsory elective modules available for selection are only held if at least five students have selected a compulsory elective module by the start of the lecture period.

Sec 8 Types and Forms of Examinations, Times for Completion, Deadlines for Retakes

(1) Graded exams and academic achievements as well as learning support measures are labelled as such in Annex 1, which also specifies the examination forms of graded exams. Possible forms of graded exams and academic achievements are those regulated in the ABPO. Academic achievements may furthermore take the form of exercises, seminars, laboratory experiments, surveys, reports or presentations.

(2) As a rule, the time for completion of term papers and project theses shall not exceed four months following issuance of the topic and shall be determined by the examiner when the topic is issued. Submission shall be made to the examiner and shall be documented. Work may be completed in groups, provided the contribution of the individual students that is to be graded can be clearly distinguished and assessed. The individual contributions of the students must be specially marked.

(3) The deadline pursuant to Sec 16 (3) Sentence 1 ABPO for retaking examinations shall not apply; this shall also pertain in the case of Sec 14 (2) Sentence 8 ABPO. Students shall select the date for retaking a failed examination on their own and register within the announced registration period.

Sec 9 Bonus Points for Additional Work during the Semester

(1) The grade for a module examination may be improved by means of personal, assessable, voluntary additional work during the semester, provided such work is offered for a course. An improvement can only be achieved if the graded exam has been passed without taking the additional work (bonus points) into account. In order to improve the grade, the grade achieved in the graded exam is offset against the bonus points achieved in the additional work, so that a higher number of points can be used for the assessment. The improvement achieved through additional work may not exceed one grade level. The assessment points from the additional work completed during the semester can only be credited until the examination period of the following semester. Form and scope of the additional work to be completed during the semester are determined with binding effect at the beginning of each semester by the Examination Board in consultation with the examiners. This shall be communicated to the students. Documentation is the responsibility of the examiner.

(2) Participation is voluntary. Even without taking the additional work into account, a grade of 1.0 must be achievable for a graded module exam.

Sec 10 Practical Study Phase

(1) The Practical Study Phase usually takes place in the seventh semester. It is a training phase integrated into the course of study, which is regulated and supervised by the university and accompanied by courses. In this phase of the degree programme, the qualifications acquired during the course of study are to be supplemented and deepened, for example by working on a project in a company. The aim is also for students to get to know the working conditions and methods of engineers in everyday practise in a company. The training objectives and the scope of the Practical Study Phase must be agreed with the university.

(2) The Practical Study Phase is an academic achievement and consists of an internship followed by a written report and a presentation. It must be registered for prior to its start. At the time of registration, the supervisor/examiner must be specified. Admission can only be granted if the conditions specified in Sec 6 (3) have been fulfilled.

(3) The internship must be completed within a continuous period of at least 50 net days of on-site presence (i.e. excluding holidays and absences) at the company (minimum of 350 hours) and evidence of this must be provided to the supervisor/examiner. Interruptions of more than four weeks may be approved by the Examination Board.

(4) The Practical Study Phase must be documented in a detailed report. In a final presentation, students give a presentation usually lasting 20 minutes about their work during the internship. Submission of the report on the Practical Study Phase and the presentation should take place no later than four months after completion. If the written report is not passed, it shall be re-submitted; the Examination Board shall decide whether, in addition to the written report, the practical work must also be repeated.

(5) Details regarding the Practical Study Phase shall be determined by resolution of the Faculty Council.

(6) The Examination Board shall make decisions regarding credit for practical projects at national or international universities, other internships or relevant professional activities during the degree programme at companies or institutions.

Sec 11 Semester Abroad

(1) If students intend to study abroad or study within the framework of a university cooperation programme with subsequent credit transfer for academic achievements and graded exams completed, they must discuss the eligibility for credit transfer of their academic achievements and graded exams with the Chairperson of the relevant Examination Board or a person appointed by them before the start of the external study period, and conclude a Learning Agreement. Following completion of the stay abroad, the application for credit transfer for academic achievements and graded exams must be submitted to the Examination Office without delay.

(2) Practical work carried out abroad can be credited as a basic internship or towards the practical phase.

Sec 12 Bachelor's Thesis and Colloquium about the Bachelor's Thesis

(1) The Bachelor's thesis must be registered at the Examination Office. Upon registration, the admission requirements for the Bachelor's thesis are reviewed by the Examination Office. Registration is complete when the Examination Office has confirmed that the admission conditions have been fulfilled in accordance with Sec 6 (4) and the topic has been issued with the approval of the Examination Board. The time for completion of the Bachelor's thesis is 12 weeks starting from the date of registration. In justified exceptional cases, the deadline may be extended by up to six weeks.

(2) Group work is not permitted for the Bachelor's thesis.

(3) The Bachelor's thesis shall be submitted to the examiners by the deadline as a single-bound copy and in an electronic format specified by the Examination Board. The Examination Board shall be informed by

the examiners of any notifications of illness and of whether the Bachelor's thesis has been submitted by the deadline, after the deadline or not at all.

(4) In the colloquium, the students present their Bachelor's thesis in a 30-minute presentation. This is followed by a 15-minute Q&A session on the topic of the Bachelor's thesis. The colloquium should take place no later than six weeks after submission of the Bachelor's thesis and must be registered at least one week before the agreed date.

Sec 13 Module Grade, Calculation of Overall Grade and Transcript of Records

(1) The module grades are calculated from the ECTS-weighted grades of all graded exams of a module, unless expressly specified otherwise in the Annex or in these Regulations. The weighting for calculating the overall grade in accordance with Sec 19 (1) ABPO is based on the ECTS credits of the modules for the module examination.

(2) For grades of "1.2" or better, the overall grade "passed with distinction" is awarded with the degree certificate.

(3) If the Bachelor's degree programme Mechanical Engineering was completed in the English-language version in accordance with Sec 3 (6), the Transcript of Records will be issued in English. A German translation will be issued upon request.

Sec 14 Area of Applicability, Effective Date, Expiration Date, Transitional Regulations

(1) These Subject-specific Examination Regulations shall apply to students enrolled in the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering starting from the winter semester 2024/2025. They shall become effective the day following their publication in the *Hochschulanzeiger* of Kaiserslautern University of Applied Sciences.

(2) The Subject-specific Examination Regulations for the Bachelor's degree programmes Electrical Engineering, Energy Engineering, Mechanical Engineering, Mechatronics and Industrial Engineering at Kaiserslautern University of Applied Sciences in the version dated July 05, 2019 (*Hochschulanzeiger* No. 51/2019 dated July 31, 2019, p. 18), last amended by the Regulations dated July 08, 2022 (*Hochschulanzeiger* No. 6/2022 dated July 29, 2022, p. 4), shall expire at the end of the winter semester 2028/2029; enrolment in these Subject-specific Examination Regulations is no longer possible, notwithstanding the provision in Para. (5) Sentence 2.

(3) Students who are pursuing their studies at Kaiserslautern University of Applied Sciences in a degree programme pursuant to the Subject-specific Examination Regulations named in Para. (2) shall have the opportunity to finish their studies in accordance with their Subject-specific Examination Regulations; continuation of the studies in the summer semester 2029 is possible upon timely application made to the Examination Board, provided that only the modules "Bachelor's Thesis", "Practical Study Phase" or examinations taken in the form of project theses remain to be completed. After the end of the semester referred to in Sentence 1, the current Subject-specific Examination Regulations applicable for the following semester shall apply for the continuation of the studies by re-enrolment in the relevant degree programme, unless otherwise specified elsewhere. In deviation from the regulations of the existing Subject-specific Examination Regulations, the Examination Board can, in particularly justified exceptions, decide that a module for which no equivalent courses and, if applicable, no equivalent examinations can be offered after the last regular course offering can be fulfilled by completing another module; in addition, for individual modules, the Examination Board can decide on forms of examinations that deviate from those specified in the Subject-specific Examination Regulations, of which the students shall be informed at the beginning of the course.

(4) Upon application, students may transfer to these Subject-specific Examination Regulations in the most recent version applicable for the respective semester and continue and complete their studies according to the stipulations of these Subject-specific Examination Regulations. The application is irrevocable. Once the semester mentioned in Sentence 1 is over, continuation of the studies by re-registering for the relevant degree programme shall be subject to the current Subject-specific Examination Regulations applicable to the following semester, unless otherwise specified elsewhere.

(5) Transfer to these Subject-specific Examination Regulations and enrolment in the degree programmes named in Para. (1) in a higher subject-specific semester can only be approved if the course offer for the corresponding higher subject-specific semester is guaranteed. In exceptional cases, the Examination Board may approve enrolment in accordance with the regulations of the Subject-specific Examination Regulations specified in Para. (2). In the case of a transfer to these Subject-specific Examination Regulations, students shall be given credit for graded exams and academic achievements already completed in accordance with Sec 17 ABPO; failed examination attempts shall be counted as failed attempts on identical examinations of these Subject-specific Examination Regulations. Further details of the transition shall be determined by the Examination Board.

Kaiserslautern, June 14, 2024

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