

These regulations have been worded carefully to be up to date; however, errors cannot be completely excluded. The official German text available from L1 – Office of Legal Affairs and Academic Quality Management is the version that is legally binding.

**Regulations governing the Qualification Assessment  
Process in the  
Bachelor’s Degree Programme in Clean Energy Processes  
(Bachelor of Science) at the Faculty of Engineering at  
Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)  
– EFV CEP –  
Dated 4 March 2021**

amended by statutes of  
28 March 2022

Based on Section 13 (1) and Section 44 (1) and (4) of the Bavarian Higher Education Act (Bayerisches Hochschulgesetz, **BayHSchG**) in conjunction with Section 34 of the Qualification Regulations for Studies at Public Universities in Bavaria (Qualifikationsverordnung (**QualVO**)), FAU enacts the following regulations:

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**Section 1 Scope, Purpose of the Qualification Assessment Process**

<sup>1</sup>In order to start studying the Bachelor's degree programme in Clean Energy Processes in the first semester or to join at a later semester, students must fulfill all qualification requirements and pass the qualification assessment process pursuant to these regulations. <sup>2</sup>During the qualification assessment process, applicants must prove that they meet the specific quality requirements of the degree programme in science subjects, are able to present scientific and technical problems in English clearly and in a problem-oriented manner and can therefore be expected to successfully complete the degree programme.

**Section 2 Selection Committee**

<sup>1</sup>A selection committee consisting of at least one professor as the chairperson and at least two other normal members shall be responsible for organizing and conducting the qualification assessment process. <sup>2</sup>At least one of the normal members must be a

professor, but the other may also be a research associate working at FAU who is eligible to administer examinations at the Department of Chemical and Biological Engineering pursuant to Section 9 in the currently valid version of the General Degree Programme and Examination Regulations for Bachelor's and Master's Degree Programmes at the Faculty of Engineering at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) – **ABMPO/TechFak** – dated 18 September 2007. <sup>3</sup>Deputies shall be appointed for the chairperson and all other members. All members and their deputies shall be appointed by the Faculty Council of the Faculty of Engineering for a term of office of three years; re-appointment is permitted. <sup>4</sup>Pursuant to Section 6 (2), the committee can appoint full-time lecturers from the Faculty of Engineering or retired/emeritus professors from the Faculty of Engineering or research associates working at FAU as examiners to conduct the individual interviews if they are eligible to administer examinations pursuant to Section 9 of **ABMPO/TechFak**. <sup>5</sup>The affairs of the committee shall be governed by Section 41 **BayHSchG** in conjunction with the currently valid version of Section 30 **of the Constitution of Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)** dated 20 June 2007.

### **Section 3 Admission to the Qualification Assessment Process**

(1) <sup>1</sup>The qualification assessment process is held once every academic year for admission in the following winter semester. <sup>2</sup>Applications for admission to the qualification assessment process should be submitted online within the deadlines announced according to local practice for the required semester, using the relevant forms (FAU application portal) and attaching the documents listed in (2). <sup>3</sup>The committee may extend the deadline under certain circumstances.

(2) The application shall include:

1. Proof of attaining university entrance qualification,
2. Chronological curriculum vitae in English (in a tabular form),
3. Letter of application in English focusing on the applicant's suitability for the degree programme (max. 2 pages).

(3) In order to be admitted to the qualification assessment process, applicants must submit the documents listed in (2) to FAU via the application portal.

### **Section 4 Details of the Qualification Assessment Process**

(1) <sup>1</sup>There are two stages to the qualification assessment process. <sup>2</sup>An overall score is determined for each stage. <sup>3</sup>Applicants who have obtained at least 70 points after completing the second stage are deemed suitable and shall be provided with official notification to this effect. <sup>4</sup>Applicants who obtain fewer than 70 points in the first or second stage are considered unsuitable and shall receive a letter of rejection giving reasons for the decision and information on legal remedies available.

(2) <sup>1</sup>The average grade of the applicant's university entrance qualification is converted to a scale of between 0 and 100, with 0 the worst and 100 the best possible score. <sup>2</sup>The scale shall be set in such a way that the lowest possible pass mark for the university entrance qualification shall be awarded 40 points (see **Appendix** for grade scale). <sup>3</sup>In the case of a grade system differing from the grade scale commonly used in Germany, the conversion shall be conducted as set out in Section 2 of the **Appendix**.

### **Section 5 First Stage of Qualification Assessment Process**

(1) During the first stage of the qualification assessment process, a total score shall be derived as a weighted average of the following criteria:

1. Score for the university entrance qualification with a weighting of 70 %
2. Score for grade in mathematics with a weighting of 15 %
3. Score for grade in English with a weighting of 15 %.

(2) <sup>1</sup>Grades pursuant to (1) nos. 2 and 3 shall be calculated from the arithmetic average of all subject grades for each semester in the final years of senior school (Oberstufe) as stated in the applicant's university entrance qualification. <sup>2</sup>The subject-specific grade of the applicant is converted to a scale of between 0 and 100, with 0 the worst and 100 the best possible score. <sup>3</sup>A score of 0 shall be given to grades of 4.1 or below. <sup>4</sup>The scale shall be set in such a way that the lowest possible pass mark for the subject-specific grade shall be awarded 70 points (see **Appendix** for grade scale). <sup>5</sup>In the case of a grade system differing from the grade scale commonly used in Germany, the conversion shall be conducted as set out in Section 2 of the **Appendix**. <sup>6</sup>If the grades pursuant to (1) nos. 2 and 3 cannot be ascertained, the relevant subject-specific grade shall be awarded 70 points.

(3) <sup>1</sup>Applicants shall be considered unsuitable if their total score pursuant to (1) is less than 70; Section 4 (1)(2) shall apply. <sup>2</sup>Sentence 1 applies in the case of applicants whose average grade for the university entrance qualification is lower than 2.5 and who do not have a subject-specific grade pursuant to (1).

(4) All other applicants shall proceed to the second stage of the qualification assessment process pursuant to Section 6.

### **Section 6 Second Stage of the Qualification Assessment Process**

(1) During the second stage of the qualification assessment process, an overall score shall be derived from the total of the following criteria:

1. Score for university admission qualification (50 %)
2. Score for selection interview pursuant to (2) (50 %).

(2) <sup>1</sup>The selection interview shall be held in English. <sup>2</sup>The date of the selection interview shall be announced at least one week in advance. <sup>3</sup>If an applicant should be unable to attend due to reasons beyond their control, a second date may be set upon justified request up until two weeks before the start of the lecture period. <sup>4</sup>The selection interview shall generally be held as an individual examination and have a length of approximately 15 minutes; it may be held as a group examination with a maximum of five applicants and a length of about 15 minutes per applicant. <sup>5</sup>With the applicant's consent, the selection interview may also be carried out via video call. <sup>6</sup>It shall be conducted by at least one member of the selection committee pursuant to Section 2 in the presence of one observer, or by an examiner appointed pursuant to Section 2 (4) in the presence of an observer pursuant to Section 9 (3) **ABMPO/TechFak**; Section 17 (4) **ABMPO/TechFak** shall apply accordingly. <sup>7</sup>In particular, the selection interview is intended to determine whether the applicant can be expected to achieve the learning outcome of the degree programme by taking an independent and responsible academic approach.

(3) <sup>1</sup>In the selection interview pursuant to (2), applicants shall be evaluated according to the following criteria:

1. Standard of knowledge of mathematics, physics and chemistry (50 %)
2. Understanding of expected learning outcomes and content covered by the degree programme (discussion based on letter of application pursuant to Section 3 (2)(3)) (50 %).

<sup>2</sup>An individual grade and a score pursuant to the table for the conversion of university entrance qualifications shall be awarded for the selection interview, see Section 1 in the **Appendix**. <sup>3</sup>The examiner in the selection interview pursuant to (2)(6) shall submit a recommendation and report to the selection committee about the interview. <sup>4</sup>The selection committee shall then determine the grade and the resulting final number of points for the selection interview.

(4) <sup>1</sup>Applicants whose total score derived from both stages of the process totals 70 points or above shall be considered suitable. <sup>2</sup>All other applicants shall be considered unsuitable; Section 4 (1)(2) shall apply accordingly.

### **Section 7 Record**

<sup>1</sup>An official record shall be produced for both stages of the qualification assessment process, showing the date, duration and place of the assessment, the names of the applicants and examiners and the decision of the selection committee in bullet points. <sup>2</sup>The record shall be signed by the chairperson of the committee or their deputy if the chairperson is unable to sign for any reason.

### **Section 8 Adjustments to Examination Arrangements**

Any adjustments to arrangements shall be governed by Section 2 of the **Bavarian Higher Education Admissions Law** in conjunction with the **Bavarian Higher Education Admissions Regulation**.

### **Section 9 Resit Examinations**

Applicants may attempt the qualification assessment process one more time, at the soonest at the next date scheduled for the qualification assessment process.

### **Section 10 Legal Validity**

(1) <sup>1</sup>These regulations shall come into effect on the day after their publication. <sup>2</sup>They shall apply for the first time to prospective students applying to start studying in winter semester 2021/2022.

(2) <sup>1</sup>The first amendment statute shall come into effect on the day after its publication. <sup>2</sup>It shall apply to all students starting a degree programme from winter semester 2022/2023 onwards.

## **Appendix**

1. The following grade scale is used to determine the score for the average grade for the university entrance qualification (pursuant to Section 4 (2)) and the subject-specific individual grade (pursuant to Section 5 (1) nos. 2 and 3)):

Points for university entrance qualification (e. g. grades from final years of senior school in Germany)	Grade of university entrance qualification	Score for average grade for university entrance qualification (pursuant to Section 4 (2))	Score for subject-specific individual grade of the university entrance qualification (pursuant to Section 5 (2))
15	1.0	100	100
	1.1	98	99
	1.2	96	98
14	1.3	94	97
	1.4	92	96
	1.5	90	95
13	1.6	88	94
	1.7	86	93
	1.8	84	92
12	1.9	82	91
	2.0	80	90
	2.1	78	89
11	2.2	76	88
	2.3	74	87
	2.4	72	86
10	2.5	70	85
	2.6	68	84
	2.7	66	83
9	2.8	64	82
	2.9	62	81
	3.0	60	80
8	3.1	58	79
	3.2	56	78
	3.3	54	77
7	3.4	52	76
	3.5	50	75
	3.6	48	74
6	3.7	46	73
	3.8	44	72
	3.9	42	71
5	4.0	40	70
	4.1	38	0
	4.2	36	0
4	4.3	34	0
	4.4	32	0
	4.5	30	0
3	4.6	28	0
	4.7	26	0
	4.8	24	0
2	4.9	22	0
	5.0	20	0
	5.1	18	0
1	5.2	16	0
	5.3	14	0
	5.4	12	0
0	5.5	10	0
	5.6	8	0
	5.7	6	0

	5.8	4	0
	5.9	2	0
	6.0	0	0

2. Grades from **other numerical grading systems** are converted on the basis of the modified Bavarian formula; Section 12 (3) sentence 2 **ABMPO/TechFak** shall apply accordingly.