

Official Notices

Hamm-Lippstadt University of Applied Sciences

This English translation is offered for information purposes only. In the event of any discrepancy or doubt in interpretation, the original German texts published in the Official Notices of Hamm-Lippstadt University of Applied Sciences take precedence. Only the original German texts are considered legally binding.

New regulations and amendments to existing regulations are published in the Official Notices of Hamm-Lippstadt University of Applied Sciences before they are enacted. Original, German-language documents published in the Official Notices are considered legally binding.

Legal Notice

Of Hamm-Lippstadt University of Applied Sciences – Official Notices

Volume 16

Hamm/Lippstadt, 11 October 2024

Page 77

No.23

1. Amendment to Study Program Examination Regulations (Program-Specific Provisions) for the Bachelor's Study Program "Electronic Engineering" at Hamm-Lippstadt University of Applied Sciences dated 9 October 2024

Based on Section 2(4), Section 60(1) s.1 and Section 64(1) s. 1(1) of the Act on the Higher Education Institutions of the State of North Rhine- Westphalia (Higher Education Act – HG) dated 16 September 2014 (GV. NW p. 547) last amended by law dated 5 December 2023 (GV. NRW. p. 1278) Hamm-Lippstadt University of Applied Sciences has issued the following amendment and new version to the Study program Examination Regulations. These regulations only apply in conjunction with the General Examination Regulations for the Bachelor's study programs at Hamm-Lippstadt University of Applied Sciences in the current version as well as the module plan and the module manual of the Bachelor's degree program "Electronic Engineering" in the currently valid version.

Section 1 Objective of the Study Program

(1) ¹The objective of the Bachelor's program in Electronic Engineering is to teach students the required technical knowledge, skills and methods — as well as key qualifications necessary for the fields of electronics, computer science and prototyping — taking into account the requirements and changes posed by the professional world. The study program strives to enable Electronic Engineering students to work and communicate scientifically, appraise scientific facts critically and act responsibly. An advanced command of the English language builds the foundation for the student's progress over the course of their studies where they need to continually advance and expand their knowledge of specialized terminology and is therefore a prerequisite for handling the curriculum.

(2) The Bachelor's examination completes the professional qualification in the study program.

Section 2 Academic Degree

¹Once all examinations required within the scope of the Bachelor's studies have been passed, Hamm-Lippstadt University of Applied Sciences confers the academic degree of Bachelor of Engineering (B. Eng.) within the Electronic Engineering degree program. ²The corresponding diploma shall be issued.

Section 3 Admission Requirements

¹Proof of upper intermediate knowledge of the English language at level B2 of the Common European Framework of Reference (CEFR) is a requirement for admission by furnishing the appropriate certificate. ²The specific requirements can be found in the application portal and on the study program page of Hamm-Lippstadt University of Applied Sciences at www.hshl.de and can be viewed there.

Section 4 Standard Study Period, Scope of Modules to be Passed

- (1) Admission to studies can begin in winter semester.
- (2) The standard period of study is seven semesters.
- (3) ¹The average study volume comprises 30 credit points (ECTS) per semester of the standard study period.

²A total of 210 credit points (ECTS) are assigned to the entire curricular workload, including attendance times, internships, preparation, follow-up work and Bachelor's thesis (including colloquium).

- a) ¹Thereof, 190 credit points are earned in the mandatory module and 20 credit points in the mandatory elective module.

²Besides the mandatory modules, the mandatory area also requires an exchange or internship semester, the term paper and the Bachelor's thesis (including colloquium).

- b) Section 5 specifies the study plan with the individual tasks within the modules and the credits(ECTS) to be earned

Section 5 Bachelor's Examination

(1) ¹The Bachelor's examination shall consist of the module examinations required for the respective program and the Bachelor's thesis. ²The Bachelor's examination consists of

- a) a mandatory component, which comprises a total of 183 credit points (ECTS) and includes the following

1. mandatory modules which account for a total of 130 credit points (ECTS),
2. a semester abroad or internship semester, which accounts for 30 credit points (ECTS),
3. a term paper which account for a total of 8 credit points (ECTS),
4. the Bachelor's thesis (including colloquium) which account for a total of 15 credit points (ECTS), and

- b) a mandatory elective component, which comprises a total of 27 credit points (ECTS).

- (3) ¹The mandatory modules with their assigned credit points (ECTS) as well as their allocation to the summer or winter semester (SoSe/WiSe) are shown in **Table 1**. ²The type of the respective course is determined by the module manual.

Table 1: Mandatory modules

Name of the Module	ECTS	SoSe	WiSe
Electronic Engineering 1	5		x
Programming 1	5		x
Computer Engineering	5		x
Physical Foundations	5		x
Mathematics 1	5		x
Scientific Work	5		x
Electronic Engineering 2	5	x	
Programming 2	5	x	
Computer Networks	5	x	
Engineering Design	5	x	
Mathematics 2	5	x	
Audio and Video Technologies	5	x	
Microelectronics	5		x
Software Engineering	5		x
Embedded Systems	10		x
Mathematics 3	5		x
Audio and Video Processing	5		x
Control Engineering 1	5	x	
Hardware Engineering 1	5	x	
Prototyping and Systems Engineering	10	x	
Mathematics 4	5	x	
Business Communication	5	x	
Internship / Exchange Semester	30		x
Control Engineering 2	5	x	
Hardware Engineering 2	5	x	
Project Work	8	x	
Bachelor Thesis (incl. Colloquium)	15		x

(4) ¹The mandatory elective modules with their assigned credit points (ECTS) as well as their allocation to the summer or winter semester (SoSe/WiSe) are shown in **Table 2**. ²The type of the respective course is determined by the module manual. (**two** modules must be selected):

(5)

Table 2: Mandatory elective modules

Name of the Module	ECTS	SoSe	WiSe
Special Emphasis A - Autonomous Systems A or - Embedded Electronic Engineering A	12	x	
Special Emphasis B - Autonomous Systems B or - Embedded Electronic Engineering B	15		x

²The type of the respective course is determined by the module manual. ³The mandatory elective modules can be combined individually.

⁴If a module or submodule is held as a practical course or seminar, repeat examinations shall only take place in the semester in which the practical course or seminar is offered.

Section 6 Transitional Provisions

- (1) These examination regulations shall apply to all students who are enrolled for this Bachelor's degree program at Hamm-Lippstadt University of Applied Sciences for the first time from the winter semester 2024/2025 onwards.
- (2) ¹Students who were enrolled before the winter semester 2024/2025 can only apply to change to these examination regulations within the re-registration period between semesters. ²Reference is made to Section 2 (3) of the General Examination Regulations for the Bachelor's degree programs at Hamm-Lippstadt University of Applied Sciences.
- (3) For students who were enrolled before the winter semester 2024/2025 and who have submitted a corresponding application, the table of equivalences applies to the change of the current examination regulations, which determines the crediting modalities of already completed achievements.

Section 7 Entry into Force and notice pursuant to

Section 12 (5) HG NRW

- (1) These examination regulations for the Bachelor's program "Electronic Engineering" enter into force on the day following their publication.
- (2) ¹It is pointed out that, based on Section 12 (5) of the Higher Education Act of the State of North Rhine-Westphalia (Higher Education Act - HG), a violation of procedural or formal requirements of this Act or of the university's regulations or other autonomous law can no longer be asserted after one year has expired since the publication of this announcement, unless
 - a) the regulations have not been properly published,
 - b) the Presidential Board has objected, prior to publication, to the decision of the committee adopting the regulations,
 - c) the formal or procedural defect has been notified to the university in advance and the violated legal provision and the fact giving rise to the defect have been specified, or
 - d) the legal consequence of the exclusion of objection was not pointed out in the public announcement of the regulations.

Issued on the basis of the resolution of the Department Council Lippstadt 2 of Hamm-Lippstadt University of Applied Sciences on 9 October 2024 and reviewed by the Presidential Board on 11 October 2024.

Lippstadt, dated 11 October 2024

Signed Prof. Dr. Ing. Kira Kastell
President of Hamm-Lippstadt University of Applied

Electronic Engineering (ELE)
Graduation: Bachelor of Engineering
Module plan | Progress of Programm



Semester 7	Bachelor Thesis (incl. Colloquium) ECTS 12+3			Special Emphasis B ECTS 15		
Semester 6	Control Engineering 2 ECTS 5	Hardware Engineering 2 ECTS 5	Project Work ECTS 8	Special Emphasis A ECTS 12		
Semester 5	Internship/Exchange Semester ECTS 30					
Semester 4	Control Engineering 1 ECTS 5	Hardware Engineering 1 ECTS 5	Prototyping and Systems Engineering ECTS 10	Mathematics 4 ECTS 5	Business Communication ECTS 5	
Semester 3	Microelectronics ECTS 5	Software Engineering ECTS 5	Embedded Systems ECTS 10	Mathematics 3 ECTS 5	Audio and Video Processing ECTS 5	
Semester 2	Electronic Engineering 2 ECTS 5	Programming 2 ECTS 5	Computer Networks ECTS 5	Engineering Design ECTS 5	Mathematics 2 ECTS 5	Audio and Video Technologies ECTS 5
Semester 1	Electronic Engineering 1 ECTS 5	Programming 1 ECTS 5	Computer Engineering ECTS 5	Physical Foundations ECTS 5	Mathematics 1 ECTS 5	Scientific Work ECTS 5