



UNIVERSITATEA BABEŞ-BOLYAI
BABEŞ-BOLYAI TUDOMÁNYEGYETEM
BABEŞ-BOLYAI UNIVERSITÄT
BABEŞ-BOLYAI UNIVERSITY
TRADITIO ET EXCELLENTIA

Școala Doctorală de Inginerie
Facultatea de Inginerie



P-ța Traian Vuia nr. 1-4
Reșița, RO-320085
Tel.: 0730 583 011
contact.eng@ubbcluj.ro

REGULATION

Doctoral School of Engineering (SDI)

of the Faculty of Engineering

of "Babeş-Bolyai" University

Code: R_SDI-01_revised 01

Contents

1. Preamble
2. Organisation of doctoral studies in Mechanical Engineering
3. Structure and functioning of the Doctoral School of Engineering
4. Doctoral supervisors
5. Doctoral students
6. Admission to doctoral studies
7. Structure and duration of doctoral studies
8. Equivalence
9. Preparation and defence of the doctoral thesis
10. Principles of scientific, professional and academic ethics and deontology
11. Final provisions

1. Preamble

Art. 1 (1) This regulation constitutes the normative framework for the organization and conduct of doctoral study programs within the Doctoral School of Engineering, hereinafter referred to as SDI, at the Faculty of Engineering of Babeş-Bolyai University (UBB).

(2) Doctoral studies at SDI are based on the following documents:

- a) Higher Education Act No. 199/2023;
- b) Emergency Ordinance No. 95 of June 28, 2024, amending and supplementing Law No. 198/2023 on pre-university education and Law No. 199/2023 on higher education;
- c) ORDER No. 3020/2024 of January 8, 2024, approving the Framework Regulation on doctoral studies;
- d) ORDER No. 3692/2024 of February 1, 2024, on the list of nationally recognized programs for establishing the degree of similarity for final studies;
- e) ORDER No. 3693/2024 of February 1, 2024, approving the Framework Methodology for organizing admission to higher education in short-term, bachelor's, master's, and doctoral university study cycles;
- f) Emergency Ordinance No. 95/June 29, 2024, amending and supplementing Law No. 198/2023 on pre-university education and Law No. 199/2023 on higher education;
- g) Order No. 3482 of March 24, 2016, approving the Regulations on the organization and functioning of the National Council for the Accreditation of Academic Titles, Diplomas, and Certificates and the Regulations on the organization and functioning of the National Council for the Accreditation of Academic Titles, Diplomas, and Certificates;
- h) Ministerial Order No. 5110 of September 17, 2018, approving the minimum national standards for awarding the title of doctor;
- i) Order No. 3131/2018 of January 30, 2018, on the inclusion of courses on ethics and academic integrity in the curricula of all university programs organized in higher education institutions within the national education system;
- j) Regulations of Babeş-Bolyai University on the organization and conduct of doctoral studies, in force.

2. Organisation of doctoral studies in Mechanical Engineering

Art. 2 (1) There are two types of doctoral programs offered within the SDI:

a) **scientific doctorate**, which aims to produce original scientific knowledge that is internationally relevant, based on scientific methods, and can be organized as full-time or part-time education. The scientific doctorate is the basis for a professional career in higher education and research. Upon completion of the scientific doctoral studies, Babeş-Bolyai University awards the diploma and title of Doctor of Science, corresponding to the acronym Dr. The diploma certifying the award and possession of this doctoral title expressly mentions the disciplinary or interdisciplinary field of the doctorate.

b) **professional doctorate**, in dual university education, which aims to produce original knowledge based on the application of scientific methods, systematic reflection, or applied research on artistic creations, on high-level national and international sports performances or on topics of practical importance, and which

forms the basis for a professional career in higher education and research in the relevant fields. The professional doctorate can be organised as full-time or part-time education. Upon completion of professional doctoral studies, Babeş-Bolyai University awards a diploma and the title of doctor in a professional field, corresponding to the acronym Dr.P. The diploma certifying the award and possession of the title of doctor in a professional field expressly mentions the professional field of the doctorate.

- (2) In the SDI, doctoral studies are carried out in the field of **Mechanical Engineering**.
- (3) Doctoral programs are organized within the SDI in the following forms of education: **full-time** and **part-time**.
- (4) Full-time doctoral programs are scholarship-based. Part-time doctoral programs are non-scholarship-based.
- (5) The obligations relating to full-time and part-time study are proposed by the SDI, in accordance with the activities necessary to comply with the individual doctoral study program and to prepare the doctoral thesis. They are approved by the Faculty of Engineering Council, the CSUD, and the UBB Board of Directors, and are ratified by the University Senate.

3. Structure and functioning of the Doctoral School of Engineering

Art. 3 (1) The SDI operates under the administrative subordination of the Faculty of Engineering of the UBB and has a rank equal to that of a department within the faculty.

(2) The SDI Director is responsible for the management and operational leadership of the SDI.

(3) At the SDI level, the SDI director and SDI council members are elected by universal, direct, and secret ballot of the doctoral supervisors and doctoral students in the SDI, respectively. Persons who are doctoral supervisors in the respective doctoral school, respectively doctoral students enrolled in the SDI, have the right to be elected as members of the doctoral school council. The term of office of the SDI council members is 5 years. The responsibilities of the SDI Council are specified in the Babeş-Bolyai University Regulations on the organization and conduct of doctoral studies, currently in force.

(4) The director of the doctoral school is equivalent to the department director. The doctoral school council is equivalent to the department council.

(5) The SDI Council consists of:

- a) the director of SDI;
- b) two doctoral supervisors from SDI, elected by universal, direct, secret, and equal vote of the doctoral supervisors;
- c) a doctoral student enrolled in SDI, elected by universal, direct, secret, and equal vote of the doctoral students in SDI.

4. Doctoral supervisors

Art. 4 SDI doctoral supervisors are persons who obtained the right to supervise doctoral students prior to the date of entry into force of Higher Education Law No. 199/2023, as amended and supplemented, as well as persons who have obtained the habilitation

certificate and become members of the SDI on the basis of an individual employment contract.

Art. 5 (1) The habilitation procedure for doctoral supervision in the field of Mechanical Engineering will be carried out in compliance with the legislation (concerning habilitation) in force at the time of habilitation and with the UBB Regulations on the public defence of habilitation theses and the co-optation of doctoral supervisors.

(2) In order to obtain the status of doctoral supervisor within the SDI, the candidate must meet the general conditions laid down by the CNATDCU regulations valid at the time of habilitation, as well as those specific to the field of Mechanical Engineering.

5. Doctoral students

Art. 6 (1) The rights and obligations of doctoral students are set out in the Doctoral Studies Contract and are in accordance with Higher Education Law No. 199/2023, ORDER No. 3020/2024 of January 8, 2024, approving the Framework Regulation on Doctoral Studies;

(2) The obligations regarding the required attendance of doctoral students in *full-time* and *part-time* programs are decided by the doctoral supervisor according to the specific nature of the doctoral program and in compliance with the provisions of the UBB Regulations for doctoral studies.

6. Admission to doctoral studies

Art. 7 (1) Admission to doctoral studies in SDI is carried out according to the Methodology for admission to doctoral studies at UBB (updated every academic year).

(2) Admission to doctoral programs takes place in one or two annual sessions, before the start of the academic year, and successful candidates are enrolled starting on the first day of the academic year.

(3) Candidates compete for places allocated by the SDC, according to criteria established by the CSUD, for full-time or part-time education, with funding from the state budget in the form of study grants, or on a fee-paying basis.

(4) Individuals who possess the necessary qualifications and have the appropriate financial resources (either from their own sources or from scholarships awarded by individuals or legal entities) may be admitted, at their request and following successful completion of the doctoral admission exam, as fee-paying doctoral students.

7. Structure and duration of doctoral studies

Art. 8 (1) Doctoral studies are conducted within the SDI, under the supervision of a doctoral advisor, or in co-supervision, in accordance with the provisions of the Regulations for the organization and conduct of doctoral studies at UBB.

(2) The doctoral supervisor is supported in his/her work with the doctoral student by an academic guidance and integrity committee consisting of three other teaching or research staff members who hold a doctoral degree and at least the position of university lecturer or scientific researcher grade III (or equivalent). Members of the academic guidance and integrity committee may be part of the doctoral supervisor's research team, may be other persons affiliated with SDI, or may be teaching and

research staff not affiliated with SDI. For doctoral students admitted starting in the 2024-2025 academic year, at least one member of this committee shall be from outside the higher education institution.

(3) The doctoral studies of a doctoral student are planned in the individual study plan for a period of four academic years (each consisting of two academic semesters) and include:

- a) a training program based on advanced university studies, completed within the SDI and consisting of activities carried out in institutionalized study groups;
- b) an individual scientific research program.

(4) The training program based on advanced university studies includes a course on academic ethics and integrity, including scientific research ethics, which is mandatory for all enrolled doctoral students..

(5) Doctoral studies may be interrupted or extended, upon request, in accordance with the provisions of the Babeş-Bolyai University Regulations on the organization and conduct of doctoral studies, in force.

8. Equivalence

Art. 9 (1) SDI recognizes and equates doctoral internships or scientific research internships carried out in Romania or abroad, in higher education institutions, research institutes, or recognized research centers, as well as courses taken as part of university study programs, only in accordance with the UBB Regulations on the organization and conduct of doctoral studies, in force and under the conditions of the law.

(2) The equivalence of a previous doctoral internship is possible only if all of the following conditions are met:

- a. the previous internship is in the same field as the current one;
- b. the research topic is retained from the previous internship;
- c. the subjects in the current curriculum coincide with those covered, or at least the topics addressed are similar.

(3) The equivalence of subjects from a previous individual study plan may be determined by the SDI Council, provided that the subjects in the current plan coincide with those completed or the topics covered are similar. For the purpose of equivalence, the doctoral supervisor requests equivalence from the SDI, based on the previous and current plans. The SDI Council will review the request, in consultation with the course coordinator, and decide on the equivalence of courses in the current individual study plan.

(4) Recognition of elements or the entire individual scientific research plan may only be granted if the thesis topic has remained unchanged, provided that credits have been obtained for previous activities or if the SDI Council has approved the recognition, in accordance with the provisions of paragraphs (2)-(3).

9. Preparation and public defense of doctoral thesis

Art. 10 (1) Completion of doctoral studies in SDI is achieved by the public defence of the doctoral thesis.

(2) With a view to institutional standardisation, the SDI shall draw up a guideline for writing the doctoral thesis, specifying formal elements such as: thesis structure,

minimum/maximum number of pages, references to bibliographical references, typesetting requirements, etc.

(3) Guide to writing a doctoral thesis (available at https://ing.ubbcluj.ro/wp-content/uploads/2025/06/Ghid-redactare-teza_ENG-1.pdf) is part of this Regulation.

(4) The thesis, its annexes and abstract shall be written exclusively by digital means.

10. Principles of scientific, professional, and academic ethics and deontology

Art. 11 The rules and principles of scientific, professional, and academic ethics and conduct applicable in SDI are those specified in Higher Education Law No. 199/2023 and the UBB Code of Ethics and Professional Conduct.

11. Final provisions

Art. 12 (1) The SDI regulations are drafted in accordance with the regulations governing the organization and conduct of doctoral studies at UBB and the applicable legal provisions, and are approved by universal, direct, secret, and equal vote of the absolute majority of tenured doctoral supervisors in SDI.

(2) The regulations governing the organization and operation of the SDI are also approved by the Faculty of Engineering Council and subsequently approved by the CSUD.

(3) The SDI Regulation shall be supplemented, whenever necessary, with new legal provisions concerning aspects of SDI activity.

Art. 13 This regulation shall enter into force on the date of its approval by the CSUD, at its meeting on _____.