

Requirements of the complex exam

Name of institution:	BME Faculty of Transportation Engineering and Vehicle Engineering Transport and Veichles Siences Habilitation Committee and Doctoral Council
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In order to complete the study and research phase of the doctoral program, and for the admission to the research and dissertation phase, a successful complex exam is required.

I. Application

The admission to the complex exam is decided by the Doctoral School Council (DIT), the conditions are the following:

- accomplishment of at least 90 credits in the first four semesters of the doctoral program, obtaining all credits required by the study plan of the Doctoral School,
- the average rating of the research progress reports 1-2-3 subjects and the research activity should be at least 4.0,
- at least two publications in a foreign language, published (or accepted for publication) in an international conference proceeding or in a peer-reviewed journal.

The PhD student has to complete the complex exam until the end of the fourth semester. The complex exam must be advertised in the TR and the PhD student must apply for that.¹

II. Structure of the complex exam²

The complex exam is an oral examination, which consists of two parts: In the first part the scientific/artistic progress is presented (dissertation part) and in the second part the theoretical preparedness is assessed (theoretical part). The theoretical and dissertation part of the complex exam can take place on the same and on different days, first conducting the theoretical and then the dissertation part.

In the theoretical part of the complex exam, the candidate takes the examination of two subjects (one basic subject and one specific subject). The list of subjects is available in the study plan of the Doctoral School on the website of the Doctoral School. In the theoretical part the candidate demonstrates the awareness of literature in the related scientific area and current knowledge in theory and methodology.

In the dissertation part of the complex exam, the candidate reports about the scientific progress including the research plan for the second part of the doctoral program, the preparation towards the dissertation and the scheduling of the publication of result. In the presentation the scientific excellence, the innovative aspects, the technological background, and the practical applicability has to be discussed. The candidate has to send a written summary of achieved results so far, and the submitted and accepted publications to the committee in electronic format at least one week before the exam.

III. Process of the complex exam

The complex exam has to be organized during the exam period in such a way that the PhD student can fulfil his/her other examination obligations before taking the complex exam. The

¹ BME Code of Studies and Exams TVSZ 183. § (1) és (4)

² BME Doctoral and Habilitation Regulation DHSZ 15. § (3), (4) és (5)

detailed requirements should be published on the website of the Doctoral School at least half a year before the exam, which may not be amended after the publication.³

The complex exam can be conducted in Hungarian or in English. The complex exam should be taken in front of a committee and it is public. The examination committee is appointed by the Habilitation Committee and Doctoral Council (HBDT). The examination committee consists of at least three members, and at least one third of the members should not be employed by the institution which manages the Doctoral School. The chair of the committee is a professor or professor emeritus or a Doctor of the Hungarian Scientific Academy (MTA). Each member of the examination committee must have a PhD degree. The supervisor of the PhD student or any related person cannot be part of the examination committee. The committee should not be a member of the examiner's theme or a person dependent on him. The evaluation of the candidate has to be submitted by the supervisor at least one week before the complex exam. The supervisor has to be invited.⁴

The committee evaluates the theoretical and the dissertation parts separately. The complex exam is only successful, if the members of the evaluation committee decide that both parts are successful. The unsuccessful complex exam may be once retaken in the same exam period.⁵

A report on the complex examination has to be taken, including:

1. the identification details of the candidate (name, student identification number, place of birth and time),
2. the description of parts of the complex exam,
3. the date of the complex exam,
4. identification details of the members of the examination committee (name, teacher identification number, if available)
5. the results of each part of the complex exam,
6. final assessment of the complex exam (passed/failed)
7. the signatures of the members of the examination committee and
8. the signature of the candidate.⁶

The reports also has to contain text parts.

The result of the complex exam should be announced on the day of the oral exam. The result of the complex exam does not affect in the qualification of the PhD degree, but the successful completion is a precondition to the second phase of the doctoral program.⁷

IV. Individually prepared students

³ BME Code of Studies and Exams TVSZ 183. § (2) és (3)

⁴ BME Doctoral and Habilitation Regulation DHSZ 15. § (2)

⁵ BME Doctoral and Habilitation Regulation DHSZ 15. § (6)

⁶ BME Code of Studies and Exams TVSZ 183. § (6)

⁷ BME Doctoral and Habilitation Regulation DHSZ 15. § (7), (8)

The doctoral program may involve those, who are individually prepared for the PhD degree, provided that they have met the requirements of the application and the doctoral program. In this case, the student status is established by accepting the application for the initiation of the PhD degree and by passing the complex exam.⁸

In case of successful completion of the complex exam, the university recognizes the minimum credits specified as a condition for admission to a complex exam, by accepting additional credits on request on the basis of knowledge and competences obtained previously. The complex exam, after the admission, belongs to the first semester of the research and dissertation phase.⁹ In the doctoral program, the amount of credits recognized on the basis of previous studies or prior knowledge can reach up to 100% of the required amount of credits - 240 credits.

⁸ BME Doctoral and Habilitation Regulation DHSZ 14. § (4)

⁹ BME Doctoral and Habilitation Regulation DHSZ 16. § (2), 387/2012 (XII. 19.) Gov. Decree. 12. §