

PhD minimum requirements

Name of institute:	BME Faculty of Transportation Engineering and Vehicle Engineering Transport and Vehicles Sciences Habilitation Committee and Doctoral Council
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The formal fulfilment of the conditions does not guarantee the initiation of the PhD procedure or its successful completion. During the decision-making process, the Habilitation Committee and Doctoral Council (HBDT) will examine the level of publication of new scientific results and the candidate's contribution to the published results.

I. Publication requirements

a) Publication requirements before the evaluation procedure is launched:

In case of scientific and technical works, a minimum condition is at least 8 publications, of which at least 2 are published (or accepted) peer-reviewed journal papers in a foreign language. In case of dissertation application, at least 1 paper should be published in a journal with Impact Factor included in the Web of Science/Scopus database.

b) The condition for sending the PhD dissertation to the opponents:

Minimum number of publications related to the thesis points:

- at least 1 paper in a peer-reviewed journal with Impact Factor in a foreign language, which journal is included in the Web of Science/Scopus database, with at least 50% participation of the candidate, which may be collected by summing up percentages of more publications, and in addition
- at least 2 peer-reviewed papers published (or accepted) in a foreign language, scientific, professional journal, which may be collected by summing up percentages of more publications, and in addition
- at least 1 publication in Hungarian (for Hungarian citizens), which may be collected by summing up percentages of more publications, and in addition
- presentation of at least 4 achieved results (creations, patents, published or accepted journal papers, published or accepted conference papers in a proceedings).

Publication requirements on the quality of publications related to the thesis points:

In addition to the above mentioned requirements, the Habilitation Committee and Doctoral Council (HBDT) also evaluates the quality of publications by scoring and a predefined value from these points shall be reached as follows. The publications recorded in the Hungarian Scientific Bibliography Database (MTMT) are determined using the automatic scoring function available in MTMT, calculated with the author ratios set in MTMT. (This calculation procedure also applies to the MTA Doctoral acts and to habilitation procedures)¹. The scores for the publications are defined as follows:

Peer-reviewed journal paper	with IF	0.6 points or the IF value of the paper (the higher value)
	published abroad without IF	0.4 points
	published in Hungary without IF	0.3 points
Conference paper	in a foreign language	0.2 points
	in Hungarian	0.1 points

¹ <https://mta.hu/doktori-tanacs/tajekoztato-az-mta-doktora-tudomanyos-cimre-torteno-palyazat-benyujtasahoz-105291>

The score of books, book chapters, patents, and other scientific works are determined individually by the Habilitation Committee and Doctoral Council (HBDT). The points received for publications should be divided by the number of authors, according to the author ratios recorded in the MTMT.

The minimum requirement can be calculated in two ways from the publication points using the above mentioned scoring system. The candidate can choose between the two calculation methods, which is more favourable:

- In case the supervisor is considered as a full author, then the author ratios of the supervisor do not count to the author ratios of the candidate, and **the minimum score to be achieved is 2 points.**
- In case the author ratios of the supervisor are added to the author ratios of the candidate, then **the minimum score to be achieved is 3.5 points.**

In case of partial fulfilments, the proportion of the own work is determined by the number of co-authors of the publication. In case of multi-author papers, the supervisor should always be deducted from the number of authors, e.g. in a two-author paper with the supervisor, the paper is considered to be entirely the publication of the candidate in terms of the minimum requirements.

Submitted, but still unpublished, publications are considered as not peer-reviewed. This is also valid in cases, when the editor requests a revision of the paper. If the editor declares the acceptance of the unchanged publication in writing, it can be considered as a peer-reviewed paper in terms of the minimum requirements.

In the minimum publication requirements the TDK or the diploma thesis, abstracts, extended abstracts, non-written conference presentations cannot be included as a point, but can be considered during the professional evaluation.

b) Language requirements

The first foreign language in the procedure of obtaining a PhD degree must be English. The proof of language skill has to be a state recognized language exam at least on B2 complex (formerly intermediate type C) level or an equivalent certificate². This requirement can be fulfilled by an accredited or localized English exam in Hungary, which is an intermediate level uni- or bilingual language exam (e.g. TOEFL, Pittman).

The second foreign language can be any active language. The proof of language skill has to be a state recognized language exam at least on B1 complex (formerly basic type C) level or an equivalent certificate or a document about the graduation in the given language.

² 137/2008. (V. 16.) Gov. Decree 14. §