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 PhD candidate's contribution to the published results.

A) Publication requirements

A1) Publication composition requirements

From all publications related to the thesis points at least:

- at least 3 papers in a peer-reviewed journal based on the Hungarian Scientific Bibliography Database (MTMT): https://support.mtmt.hu/journalsearch,
- at least 2 papers in a peer-reviewed in a foreign language included in the "Web of Science" or "Scopus" database with a significant contribution of the PhD candidate. A significant contribution is fulfilled, when the PhD candidate is the first author of the paper with a participation of at least 33% according to MTMT. Accordingly, in the case of a multi-author journal paper, the paper can be counted only for the first author in the PhD procedure. (In exceptional cases, based on a statement, the HBDT may deviate from the order of the authors in its own jurisdiction, however, one article may be credited to only one author in this case as well.)
- at least 1 paper in a peer-reviewed journal with Impact Factor (IF) in a foreign language, which journal is included in the "Web of Science" database, with a participation of at least 50% of the PhD candidate. (In case of multi-author journal papers the contribution may be collected by summing up percentages of more publications.)
- at least 1 publication in Hungarian (only for Hungarian citizens),
- at least 1 international conference paper in a foreign language in conference proceedings.

Submitted, but still unpublished, publications are considered as not peer-reviewed.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. Other publications cannot be included in the minimum requirements (TDK or master thesis, abstracts, extended abstracts, non-written conference presentations), but can be considered during the professional evaluation. Only publications recorded in the MTMT can be considered for evaluation.

A2) Publication quality requirements

In addition to the above-mentioned requirements, the 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 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

The score of books, book chapters, patents, and other scientific works are determined individually by the 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 requirements can be calculated in two ways from the publication points using the above-mentioned scoring system. (The more beneficial option for the PhD candidate should be considered.)

- 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 PhD 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 PhD candidate, then **the minimum score to be achieved is 3.5 points.**

B) Language requirements

The first foreign language must be an intermediate level English exam based on Section 17(3) of BME DHSZ. The proof of the language skill has to be a state recognized language exam at least on B2 complex level or an equivalent certificate. The second foreign language can be any language, in which the scientific discipline is practiced. The proof of the language skill has to be a state recognized language exam at least on B1 complex level or an equivalent certificate. Based on the decision of the HBDT a valid proof of knowledge of the second language - from a higher education institution or research institute - can be accepted (e.g. fulfilling exams or giving lectures in the given language).

To match foreign language exams, the table at the link below provides information.
Localization of foreign language exams:
https://nyak.oh.gov.hu/doc/honositas/honositas_tabla1.asp?strID=AA