

Annex: Special admission requirements

1. The admission to the degree program Micro- and Nanotechnologies with the degree "Master of Science" requires - despite the general and other admission requirements - the presence of the following professional qualifications, which is to be verified in the aptitude test according to § 4 of the Regulations on the Admission to Master's Degree Programs at the Technische Universität Ilmenau (MAZugO). Therefore, the aptitude test determines whether the applicant meets the special subject-specific requirements for the degree program Micro- and Nanotechnologies with the degree "Master of Science".

2. Aptitude testing shall be based on a combination of the professional qualifications listed in the following sections 3 to 6 and weighted based on scores.

3. The Master's program is based on a first professional qualification with knowledge in the following fields:

- Principles of Electronic Engineering
- Principles of Materials Engineering
- Higher Mathematics
- Experimental Physics/Theoretical Physics/Solid-state Physics
- Principles of Electrical Engineering
- Principles of Mechanical Science/Engineering Mechanics/Mechatronics

4. the first professionally qualifying degree within the meaning of § 67 para. 1 sentence 1 number 4 ThürHG is assessed:

- a) with 40 points in the following programs:
Electrical Engineering and Information Technology / Engineering degree programs with an in-depth specialization in content / Focus on micro- and nanotechnology or microsystems technology
- b) with 30 points in the following programs:
Engineering degree programs with a considerable focus on electrical engineering or semiconductor physics or microelectronics
- c) with 20 points in the following programs:
Other engineering or science degree programs

5. In addition, the level of qualification is assessed according to the final grade of the degree program:

- a) Final grade 1.0 – 1.5 = 30 points,
- b) Final grade 1.6 – 2.0 = 20 points,
- c) Final grade 2.1 – 2.5 = 10 points.

6. Furthermore, there are considered:

a) Achievement of a final grade of "good" or "very good" in the three subjects or subject groups relevant to the degree program:

- Principles of electrical engineering,
- Experimental Physics/Theoretical Physics/Solid-state Physics,
- Principles of materials engineering / Materials science and engineering,

and

b) the completion of a closely related and equivalent bachelor's thesis or a thesis with a grade of at least "good"

and

c) proven, qualified and closely related professional experience of at least one year.

The assessment consists of five points

each.

A maximum of 20 points can be earned.

7. Should the applicant achieve the following according to the assessments in sections 3 to 6:

- a) The aptitude test is to be assessed as "Special access requirements met" when the total score is 60 points or more according to the presented documents.
- b) The aptitude test is to be assessed as "Special admission requirements not fulfilled" if, based on the presented documents, the total score is less than 60 points (§ 4 Para. 4 Sentence 4, Para. 6 Sentence 1 MA-ZugO).

8. The responsibility for the decision according to number 1 results from § 4 para. 1 MA-ZugO. In case of doubt, the Examination Board shall decide.