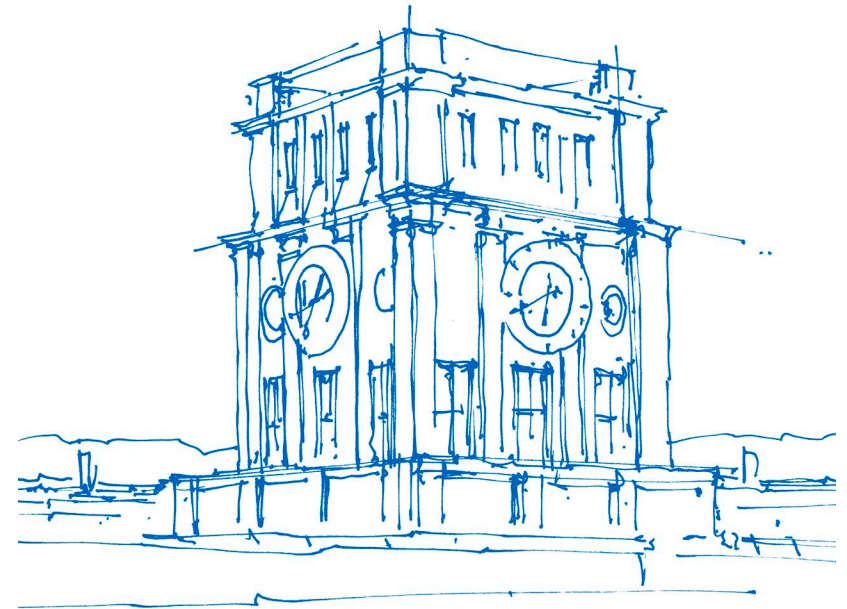


Application and Approval for the master's program Sport & Exercise Science (M.Sc.)

Technical University of Munich

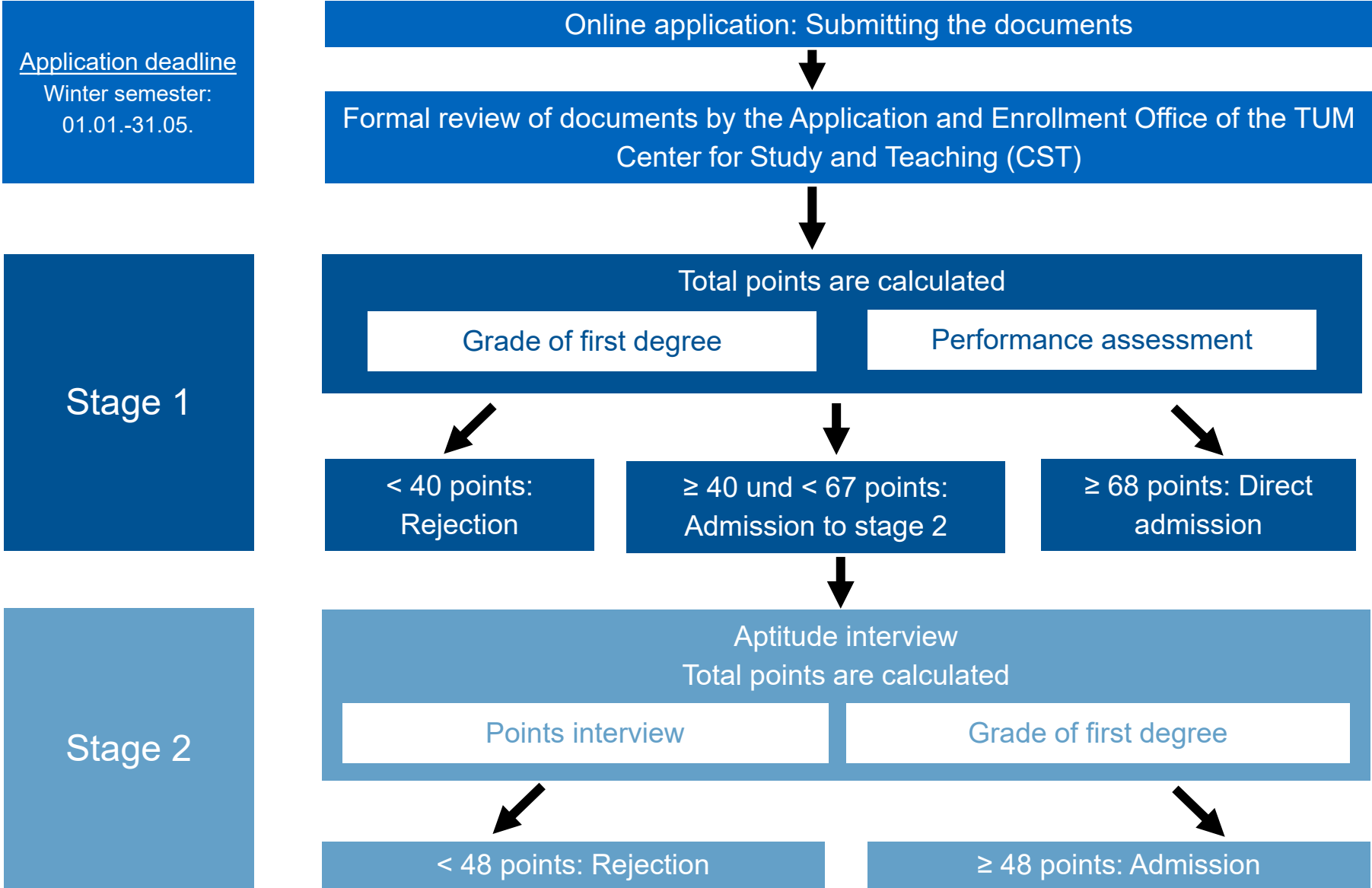
TUM School of Medicine and Health

Munich, April 2024



Uhrenturm der TUM

Overview: Procedure Aptitude Assessment



Purpose of the aptitude assessment

The qualification for the sports and health science master's programs at the TUM School of Medicine and Health requires firstly of all fulfillment of the prerequisites according to FPSO (Academic and Examination Regulations) and, secondly, the proof of aptitude in accordance to the following regulations.

The particular qualifications and abilities of the applicants have to match the professional field of the respective master's program

You can find all information about the aptitude assessment in the Academic and Examination Regulations (FPSO) Appendix 2

See: <https://www.mh.tum.de/en/mh/academic-programs/sport-and-health-sciences-programs/students/study-programs/master-courses-m-sc/msc-sport-exercise-science/>

Aptitude parameters

- Ability to work according to scientific criteria
- Available expertise in the areas of: Anatomy/physiology, research methods, biomechanics, exercise science, movement science, sociology and sports psychology
- Interest in scientific problems in the field of sport sciences
- (Optionally) other relevant qualifications and practical experience in sport science
- Adequate knowledge of English

Dates and Online Application

The aptitude assessment for the winter semester takes place annually in summer semester of the same year.

Application period:

For the following winter semester: January 1st – May 31st

Application:

Online-Application of Technical University of Munich:

<https://www.tum.de/en/studies/application-and-acceptance/masters-degree-programs/applying-for-a-masters-degree-program/>

Required Documents

Curriculum Vitae (tabular form)

Proof of university degree

- If the previous degree is not completed at the period of application, the applicant has to submit proof of the credit requirements in the first-degree study (Transcript of Records); Total of at least 140/164/187 credits depending on the standard period of study.
- The final bachelor's degree has to be submitted within one year after the start of the master's program

Listing of the highest graded modules totaling 140/164/187 credits

- Including assurance that the listing is accurate.
- The template for the listing is available in the application portal.

Documents

Essay of the Bachelor's or Diploma Thesis

- In English
- 300-500 words
- If the thesis is not completed at the period of application, the abstract can be a description of the main concept (scientific problem, method).
- If the applicant does not have a bachelor's thesis, the abstract can be a scientific exposé which includes a scientific question and proposed methods. The exposé should cover a research project conducted during the Bachelor studies e.g. in one of the courses or during an internship. This exposé should detail a scientific question that is relevant to the field of sport science and by what scientific methods one might use to answer this question.
- The abstract has to meet international scientific standards in form and content.
- **Declaration** that the applicant has written the abstract by him/herself and unaided, and that he/ she has marked the thoughts from external sources as such

Documents

Proof of internship or work experience (job reference from employer)

- In the field of sport science
- (at least 8 weeks, full-time)
- Internships passed during an undergraduate degree will be recognized
- The internship certificate does not have to be uploaded with the application, but only after admission has been granted.
- Applicants with a bachelor's degree in sport or health sciences at TUM do not have to submit this document (Upload of the transcript of records is sufficient)

Proof of knowledge of the English language

- Recognized language test (TOEFL, IELTS, Cambridge Certificate CAE/CPE, PTE)
- Bachelor's Thesis in English
- At least 20 Credits in English modules during the lower-division course
- All information and scores: <https://www.tum.de/en/studies/application-and-acceptance/university-admission/language-certificates>
- Applicants with a bachelor's degree in sport or health sciences at TUM can upload the transcript of records for the language certificate.
- TUM internal applicants: TUM Language courses marked with "Gateway to English Master's Programs C1" are accepted for the language certificate.

Assessment: First phase

Criteria and scoring system

Assessment of the qualification acquired in the first degree (a) and the existing professional knowledge (b).

a) Bachelor's degree

The applicant receives 3 points for every tenth part that his/ her bachelor's grade is better than 2,6. The grade is calculated out of 140 credits of the bachelor's program (maximum score = 48 points).

If the Transcript of Records includes more than 140/164/187 credit points, the grade is calculated out of the best 140/164/187 credits. If this listing is not submitted with the application, the overall average grade will be used.

The overall grade is calculated as an weighted average of all modules (weight according to the respective credit points of each module).

Assessment: First phase

Criteria and scoring system

b) Performance assessment

The performance assessment takes place in written format and lasts 90 minutes. The test is intended to show whether the objective of the program can be achieved independently on a scientific basis and whether a level of knowledge is given that indicates a successfully accomplished degree. The assessment date will be announced by the commission at least one week in advance.

Subject areas:

1. Physiology / anatomy (35%)
2. Research methods (30%)
3. Biomechanics (20%)
4. Exercise science, movement science, sociology, and sports psychology (15%)

A maximum of 48 points can be achieved in the test.

Implementation: First Phase

Criteria and scoring system

Criteria:

1. Grade (2,2)	12 points
2. Performance assessment	<u>33 points</u>
	45 points

The number of points in stage 1 of the aptitude assessment results from the sum of the number of points calculated from the grade (a) and the result of the performance assessment (b).

≥ 68 points: Passed in phase 1, immediate approval

40-67 points: Invitation to the aptitude assessment interview (Phase 2)

< 40 points: Rejection

Implementation: Second Phase

Aptitude assessment interview

Duration: approx. 20-30 minutes

The main topics of the interview:

1. Basic and applied questions in the field of sport and exercise science (professional qualification)
2. Special suitability and willingness to perform due to other relevant qualifications and practical experience in the field of sport science
3. Ability to analyze sports science issues
4. Explanations of the submitted abstract/exposé

The four topics will be weighted equally.

Implementation: Second phase

Aptitude assessment interview

Conducted by selection committee (two members) in English language

Each member assigns the aptitude assessment interview results to a point scale of 0-48, with 0 being the worst and 48 the best possible result.

The number of points results from the arithmetic mean of the individual evaluations.

Implementation: Second Phase

Calculation of the total score

As part of the second stage of the aptitude test, the qualification acquired in the first degree and the result of the interview are assessed.

Example:

Interview	38 points
Grade (2,2)	<u>12 points</u>
	50 points

Applicants with a score of ≥ 48 points will be admitted.

Application note

After submitting your online application the following steps will be conducted:

- Examination of documents by the admission office for formal correctness
- Message about correct application received by the TUM School of Medicine and Health
- Screening/ evaluation of the documents through these steps:
 - Announcement of the specific date of the performance assessment (must be done at least 1 week in advance)
 - Time slots are set before the application period begins
 - Implementation of the performance assessment: written test
 - Calculation of the points in stage 1 of the aptitude test
 - Possible invitation to interview (must be announced 1 week before interview date)
 - Possible implementation of interview (period will be announced in time)