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

Technical University on Munich

Department of Sport and Health Sciences

Munich, 2017
Purpose of the aptitude assessment

The qualification for the master‘s programs of the Department of Sport and Health Sciences 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;
Aptitude parameters

- Expertise from the first-degree study concerning issues in sport science according to the bachelor's program „Sportwissenschaft“ (engl. Sport Science)
- (Optionally) other relevant qualification and practical experience in sport science
- Interest in scientific problems in the field of sport sciences
- Ability to work according to scientific criteria
- Adequate knowledge of English to deal with international research topics
Dates

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

Application period:
For the following winter semester: April 1st – May 31st

Application:
Online-Application of Technical University of Munich:
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); at least 140 credit points
- The final bachelor’s degree has to be submitted within one year after the start of the master’s program
- Applicants with a bachelor’s degree at the Department of Sport and Health Sciences do not have to submit a Transcript of Records (already available at the department)

Written statement about the choice of the study program
- In English
- A maximum of 1-2 DIN A4 pages
- Statement of the applicant why he/she considers him/herself suitable for the master’s program (specific abilities, interests and other qualifications)
Abstract of the own Bachelor‘s or Diploma Thesis
• In English
• Approximately 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)
• The abstract has to meet international scientific standards in form and content
• Declaration that the applicant has written the statement and the abstract by him/herself and unaided, and that he/she has marked the thoughts from external sources as such

Proof of internship
• In the field of sport science
• (8 weeks, full-time)
• Internships passed during an undergraduate degree will be recognized.
• Applicants with a bachelor‘s degree from the Department of Sport and Health Sciences do not have to submit this document
Documents

Proof of advanced knowledge in English language

- Recognized language test (TOEFL, IELTS, Cambridge Certificate CAE/CPE)
- An average score of at least 10 Points in English in the university entrance qualification (x.5 will be rounded up to x+1)
- At least 20 Credits in English modules during the lower-division course
- Teaching language or first language is/has been English
- Applicants with a bachelor’s degree from the Department of Sport and Health Sciences do not have to submit this document

All information and scores:
Assessment: First phase
Criteria and scoring system

Assessment of the application documents by the commission. Scale of 0-100 points.

Criteria:
1. Professional qualification (up to a maximum of 10 points) according to the fundamental courses of the bachelor's program B.Sc. Sportwissenschaft.
2. Bachelor's degree (up to a maximum of 60 points)
3. Abstract (up to a maximum of 15 points)
4. Letter of motivation (up to a maximum of 15 points)

≥ 65 points: Passed in phase 1, direct admission
50-64 points: Invitation to a suitability interview (Phase 2)
< 50 points: rejected
Assessment: First phase
Professional qualification

The obligatory modules of the Bachelor's program Sportwissenschaft (engl. Sport Science) are used to assess the professional qualification.

It is necessary to accumulate a sum of 48 credits from these modules. The extent and complexity of the courses must not differ significantly from the following subjects.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Methodologies</td>
<td>12</td>
</tr>
<tr>
<td>Principles in Biomedicine</td>
<td>12</td>
</tr>
<tr>
<td>Principles in Exercise Science</td>
<td>6</td>
</tr>
<tr>
<td>Principles in Movement Science</td>
<td>6</td>
</tr>
<tr>
<td>Principles in Social Science/Psychology</td>
<td>6</td>
</tr>
<tr>
<td>Biomechanic</td>
<td>6</td>
</tr>
</tbody>
</table>
Assessment: First phase
Professional qualification

Students of the Bachelor’s program Sportwissenschaft obtain a full score automatically.

If the competencies are at least equivalent, the applicant gets a maximum of 10 points.

Lacking skills are compared to the respective modules of the bachelor’s program Sportwissenschaft and deducted after a division by the factor 3. A negative score is not possible, decimals are rounded up.

Example:

6 (of 12) credits in „Research Methodologies“:
→ Deduction of $6 / 3 = 2$ credits
Assessment: First phase  
Bachelor’s degree

The applicant gets 2 points for every tenth part that his/her bachelor’s grade is better than 4.0. The grade is calculated out of 140 credits of the bachelor’s program. (maximum score = 60 points)

If the Transcript of Records includes more than 140 credit points, the grade is calculated out of the best 140 credits.

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
Bachelor’s degree

Example:

<table>
<thead>
<tr>
<th>Module</th>
<th>Grade</th>
<th>Credits</th>
<th>Weighted Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exercise Science</td>
<td>2.3</td>
<td>6</td>
<td>13.8</td>
</tr>
<tr>
<td>Sportmedicine</td>
<td>3.0</td>
<td>5</td>
<td>15.0</td>
</tr>
<tr>
<td>Provisional overall grade (out of 11 credits)</td>
<td>Formula: $(13.8 + 15.0)/(6 + 5)$</td>
<td>2.62</td>
<td></td>
</tr>
</tbody>
</table>
Assessment: First phase
Abstract and Statement

Grading of the abstract and letter of motivation by two commissioners on a scale of 0 to 15 points

Criteria of the abstract (up to a maximum of 15 points):
1. Scientific claim/quality (90%)
2. Adequacy of the topic for the study program (10%)

Criteria of the statement of motivation (up to a maximum of 15 points):
1. English Grammar & Orthography (10%)
2. Objective formulation of the application request (10%)
3. Transfer of personal interests on objectives and scientific issues regarding sport and exercise science (40%)
4. Statement of particular aptitude for the Master's program (40%)
Implementation: First phase
Sample calculation

Evaluation of the application documents by the commission: Scale of 0-100 points

Criteria:
1. Professional qualification (B.Sc. Student) 10 points
2. Overall grade (2.3) 34 points
3. Abstract 10 points
4. Letter of motivation 12 points

66 points

≥ 65 Points: Passed in phase 1, immediate approval
50-64 Points: Invitation to the aptitude assessment interview (Phase 2)
< 50 Points: Rejection
Implementation: Second phase
Aptitude assessment interview

**Duration:** approx. 20-30 minutes

The main topics in the interview:

1. Personal interest in the master`s program   health science
2. Basic and applied questions about the field of health science, for the assessment of the professional qualification
3. Other relevant qualification and practical experience in the field of Sport science
4. Interest in sport-related scientific questions
5. Explanations to the submitted abstract/exposé
Implementation: Second phase
Aptitude assessment interview

Implementation by at least two members of the commission

Each member assigns the aptitude assessment interview results to a point scale of 0-70, with 0 being the worst and 70 the best possible result.

The five priorities are weighted equally.
Implementation: Second phase
Calculation total score

The total score of applicant results from aptitude assessment interview, professional qualification and overall grade; non-vanishing decimal places have to be rounded up

Example:

<table>
<thead>
<tr>
<th>Interview</th>
<th>58 points (equivalent to about 83%; max. of 70 points possible)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional qualification</td>
<td>10 points</td>
</tr>
<tr>
<td>Overall grade (2.7)</td>
<td>26 points 94 points</td>
</tr>
</tbody>
</table>

Applicant with a score of ≥ 80 points will be classified as suitable
Application note

After submitting your online application the following steps are required:

• Examinaton of documents by the admission office for formal correctness
• Message about correct application received by our department
• Screening/ evaluation of the documents with the partial steps
  – Curriculare analysis
  – Calculation of the average grade on the basis of the 140 best credits
  – Evaluation of the Abstracts/Exposés and the letter of motivation
  – Possibly invitation to interview (have to be announced 1 week before interview date)
  – Possibly implementation of interview (www.sg.tum.de)