

# Application Process

## M.Sc. Textile Engineering

### Application Process

The Board of Admission decides which students will be admitted to the M.Sc. Textile Engineering. The admission and selection procedure aims to meet specific objectives to achieve the desired quality and success rate of students entering the programme. In principle, students are admitted to the Master programme on the basis of their knowledge and skill level, attitude and motivation relevant to the successful completion of the programme.

**The application process follows three steps, involving several authorities:**

- 1. Examination of Formal Criteria**
- 2. Examination of Academic Requirements**
- 3. Selection of the Candidates on a competitive basis**

### 1. Examination of Formal Criteria

Responsible: RWTH Aachen University's International Office

#### **Examination of the University Degree**

The International Office reviews the degree. The university degree has to be approved or officially be accredited by a responsible public authority of the country in which the university is located. Detailed information which universities are accredited is accessible via the Anabin portal (<http://anabin.kmk.org/anabin-datenbank.html>) by the Central Office for Foreign Education.

#### **Conversion of the mark into the German system**

The marks of the applicants will be converted into the German system. For this the best mark of the home country system and the minimum pass mark will be set into relation to the German best mark (1,0) and the minimum pass mark (4,0).

#### **Review of Language Requirements**

The language requirements, as defined in the examination rules of the programme, will be examined. The certification of the language proficiency can be presented upon enrolment –an admission can be given out under the status of condition.

For a degree course that is mainly in English, student applicants must prove sufficient fluency in English. Exemptions for the language requirements are only applicable for nationals or first degree holders from USA, UK, Canada, Ireland, New Zealand, and Australia. The following language certificates are recognised:

- a) Test of English as Foreign Language (TOEFL) „Internet-based“ test (iBT) with a result of at least 90 points,
- b) TOEFL „Paper-based“ Test (PBT) with a result of at least 550 points or,
- c) IELTS-Test with a result of at least 5.5,
- d) Cambridge Test-Certificate in Advanced English (CAE),
- e) First Certificate in English (FCE) with a grade of at least B,

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- f) Documentation in accordance with the Common European Framework of Reference for Languages, CEFR (German: GeR) that demonstrates proficiency to level B2. For example, proof of proficiency can be demonstrated by submission of the German school leaving qualification, "Abitur", stating that the applicant attended English lessons up to the end of qualification phase 1 ( Year 11 in the G8 Abitur system otherwise Year 12) and achieved a minimum grade of "satisfactory",
- g) Placement Test of the RWTH Aachen Language Center with the level B2.

Moreover, applicants who are not German native speakers must prove sufficient German language proficiency. The following language certificates are recognised:

- a) Goethe-Certificate B1
- b) TestDaF (level TDN 3 or higher)
- c) DSH Examination (DSH, level 2),
- d) German language diploma of the Conference of German Ministers of Education and Cultural Affairs – Second stage (KMK II),
- e) Certificate German as a Foreign Language (Zertifikat Deutsch als Fremdsprache (ZDaF)) of the Goethe-Institute , Small German Language Diploma (Kleines Deutsches Sprachdiplom (KDS)), Big German Language Diploma (Großes Deutsches Sprachdiplom) or Central Upper-School Examination (Oberstufenprüfung (ZOP)) of the Goethe-Institute, or Equivalent, Language Knowledge can also be verified by the German University-Entrance Diploma (Abitur).
- f) German Language Examination II (Deutsche Sprachprüfung II) of the Language and Translation Institute Munich (Sprachen- und Dolmetscher Institut München).

→ Only applications with a recognized university degree and sufficient work experience will be reviewed further on.

## 2. Examination of Specific Requirements

Responsible: Examination Board/Academic Programme Coordinator

### **Examination of Knowledge and Skills gained in the Previous Degree**

The applicant's bachelor transcript will be reviewed with respect to the defined courses, that applicants must have followed in their previous education in order to be qualified for the master programme. Up to 30 Credit Points of missing courses can be indicated as a condition along with the admission.

In order to be sufficiently qualified for the Master's course, the student applicant must have acquired the necessary knowledge in the following areas:

- In total 120 credit points (CP) within mathematical and natural sciences and engineering science subjects
- Those credit points must include the following subjects from the Bachelor degree course in engineering of the RWTH Aachen University or equivalent performance:

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Module	CP
Mathematics	75 CP
Mechanics	
Material Science	
Thermodynamics	
Chemistry	
Physics	
Technical Drawing	
Textile Technology	45 CP
Fibrous	
Measuring instruments and testing in textile technology	
Refining	
Macromolecular Chemistry	
Quality Management	
Electrical Engineering	
Informatics/Computer Science	
Simulation Techniques	
Business Administration/Economics	

### Scope of the Previous Degree

For a three semester master programme, 210 Credit Points and a minimum of seven semesters are expected.

### Examination of Practical Experience

Applicants for a continuous master degree programme have to prove work experience of as a rule not less than one year. The work experience will be reviewed regarding the scope, tasks, and relation to the programme. The proof of work experience can be defined as a condition in order to register, but a proof of at least 6 months' work experience has to be sent along with the application by 1 March of each year.

### GRE

GRE scores will be reviewed as an additional criterion. There are no minimum scores defined in order to fulfill the criteria. The scores will be reviewed on a competitive basis.

→ Only students that meet the formal requirements and the specific requirements, can be considered in the further selection process.

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### 3. Selection of the Candidates

Responsible: Examination Board/Academic Programme Coordinator/Administration of the Programme

In the final review, the criteria as defined under 1.) and 2.) will be supplemented by a relative comparison of a great number of applications. Qualified students will be ranked on a competitive basis.

The main criteria for the ranking are the **GPA**, the **GRE** and the **letter of motivation**. Additionally, applicants can enhance their chances by submitting optional documents or certificates: a) Internships in a foreign country, b) Academic awards, c) Publications (peer reviewed).

In a last step, the candidates that best meet the specific requirements will be interviewed via Skype. The students' performance during the Skype-Interview will then be the final basis of evaluation and define the order of admission.