**Electrical Engineering and Information Technologies**

<table>
<thead>
<tr>
<th><strong>Start of semester</strong></th>
<th>Winter-summerterm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deadline</strong></td>
<td>15. July (winterterm) / 15. January (summerterm)</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>German, English</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Please note:</strong></td>
<td>Only the study model 17: Information and Communication is completely available to study in English.</td>
</tr>
</tbody>
</table>

**Requirements**

- Undergraduate studies in the field of electrical and information engineering or a related subject area (please use [this form](#))
- Mathematics I, II, III (Complex analysis, integral transforms)
- System dynamics and control technology
- Signals and systems
- Physics I and II or technical mechanics I-II
- Linear electric networks
- Electronic circuits
- Fields and waves
- Internship in the field of electrical engineering
- Digital technologies
- Information technologies
- Internship in the field of information technologies

**Language requirements**

For study model 17: English: TOEFL (570 paper-based, 230 computer-based, 88 internet-based)/IELTS (6.5 and no section beneath 5.5)/CAE (A,B,C)/CPE (A,B,C) ¹
For all other study models: German DSH 2/TestDaF 4444²

**Required documents**³

- Application form (Print-out Online-Application)
- University graduation certificate + official translation (In case not completed enclose certificate of enrollment)
- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)
- Module manual/detailed description of the courses mentioned in the program specific requirements
- Proof of language skills
- Curriculum Vitae
- Official APS-certificate for applicants from China, Vietnam and Mongolia

**Further documents (if available)**

- Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)
- Please enclose a written statement in case of former participation in the application process
- Letter of motivation

¹ People in the following categories do not need to prove their knowledge of English: native speaker, studies taught entirely in English, studies completed in Anglophone country.

² The proof of B1-level is sufficient for the application. DSH 2-level is required at the latest until enrollment.

³ All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
# Geodesy and Geoinformatics

<table>
<thead>
<tr>
<th><strong>Start of semester</strong></th>
<th>Winter- summerterm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deadline</strong></td>
<td>30. September 31. March</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>German, English</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

## Requirements
- Undergraduate studies in the field of geodesy and geoinformatics or related subject area
- Mathematics and/or physics 25 CP/ECTS
- Geoinformatics (Informatics, GIS systems, data processing) 20 CP/ECTS
- Geodesy (Basics, applied geodesy, higher geodesy, data analysis) 30 CP/ECTS
- Remote sensing and image processing 10 CP/ECTS

## Language requirements
- DSH 2/TestDaF 4444 or TOEFL (570 paper-based, 230 computer-based, 88 internet-based)/IELTS (6.5 and no section beneath 5.5)/CAE (A,B,C)/CPE (A,B,C) and German B1

## Required documents
- Application form (Print-out Online-Application)
- University graduation certificate + official translation (In case not completed enclose certificate of enrollment)
- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)
- Proof of language skills
- Curriculum Vitae
- Official APS-certificate for applicants from China, Vietnam and Mongolia

If available:
- Statement of your final grade
- Further information about grading system with highest and passing grade
- References

## Further documents (if available)
- Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)

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4 People in the following categories do not need to prove their knowledge of English: native speaker, studies taught entirely in English, studies completed in Anglophone country.

5 The proof of German language B1 is required until the second semester.

6 All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
<table>
<thead>
<tr>
<th>KIT Faculty for Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geophysics Master</td>
</tr>
<tr>
<td><strong>Start of semester</strong></td>
</tr>
<tr>
<td><strong>Deadline</strong></td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
</tr>
</tbody>
</table>
| **Requirements** | - Bachelor degree in one of the following subjects: Geophysics, Physics, Mathematics, Geosciences, Mineralogy, Geology, Engineering Sciences, or related subjects.  
  - Profound knowledge of Geophysics, Mathematics and Physics (usually a minimum 20 credits each during the Bachelor studies).  
  Missing credits in Geophysics can individually caught up for during the 1st year. For immediate success students without background in Geophysics can take part in an interactive convergence course covering the most important topics from Seismology and Seisms |
| **Language requirements** | English Level B2 after the common European Reference Framework\(^7\) for languages which can be proven by  
  - Cambridge Certificate: FCA, CAE, or CPE  
  - IELTS: 6.0 overall, with no less than 5.0 in any component  
  - TOEFL: overall 72, minimum reading (18), listening (17), speaking (20), writing (17)  
  - TOIEC: minimum listening (400), reading (385)  
  - German Abitur: minimum 5 years of English until the final year with an average grade of at least 4 or mark of 5 points within the last two years or in the final exam. |
| **Required documents\(^8\)** | - Application form (Print-out Online-Application)  
  - University graduation certificate + official translation (In case not completed enclose certificate of enrollment)  
  - Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)  
  - Proof of language skills  
  - Curriculum Vitae  
  - Official APS-certificate for applicants from China, Vietnam and Mongolia  
  If available:  
  - Statement of your final grade  
  - Further information about grading system with highest and passing grade  
  - References |
| **Further documents (if available)** | - Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)  
  - Please enclose a written statement in case of former participation in the application process |

\(^7\) On request the following proofs can also be accepted: Bachelor degree of a university program taught in English; University entrance qualification received in an English program; Bachelor thesis written in English  
\(^8\) All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
### KIT-Faculty for Mathematics

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Start of semester</strong></td>
<td>Winter-summerterm</td>
</tr>
</tbody>
</table>
| **Deadline** | 15. July  
15. January |
| **Admission restriction** | No |
| **Requirements** | - Undergraduate studies in the field of mathematics or related subject area |
| **Language requirements** | - German DSH 2/TestDaF 4444<sup>9</sup>  
or  
- English: TOEFL (570 paper-based, 230 computer-based, 88 internet-based)/IELTS (6.5 and no section beneath 5.5)/CAE (A,B,C)/CPE (A,B,C) <sup>10</sup> |
| **Required documents**  <sup>11</sup> | - Application form (Print-out Online-Application)  
- University graduation certificate + official translation (In case not completed enclose certificate of enrollment)  
- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)  
- Proof of language skills  
- Curriculum Vitae  
- Official APS-certificate for applicants from China, Vietnam and Mongolia  

If available:  
- Statement of your final grade  
- Further information about grading system with highest and passing grade  
- References |
| **Further documents (if available)** | - Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)  
- Please enclose a written statement in case of former participation in the application process |

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<sup>9</sup> The proof of B1-level is sufficient for the application. DSH 2-level is required at the latest until enrollment.  
<sup>10</sup> People in the following categories do not need to prove their knowledge of English: native speaker, studies taught entirely in English, studies completed in Anglophone country.  
<sup>11</sup> All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
### KIT-Faculty for Mechanical Engineering

<table>
<thead>
<tr>
<th>Mechanical Engineering</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Start of semester</strong></td>
<td>Winter- and summerterm</td>
</tr>
<tr>
<td><strong>Deadline</strong></td>
<td>30. September 31. March</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>English or German</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

#### Requirements
- Undergraduate studies in the field of mechanical engineering or major with comparable content
- required minimum knowledge through the undergraduate studies:
  1. Advanced mathematics
  2. Technical thermodynamics and heat transfer
  3. Technical Mechanics
  4. Mechanical design
  5. Material science
  6. Fluid mechanics
  7. Measurement and control systems
  8. Electrical engineering
  9. Computer Science
- if the minimum requirements cannot be proven: written entrance exam at KIT
- 18 weeks internship: The internship of 18 weeks is to be proven until the end of the third semester, according to the admission regulations for the Master studies Mechanical Engineering at KIT.

#### Language requirements
- English: B2 / TOEFL (550 paper-based, 88 internet-based) / IELTS (at least 6.5, no section lower than 5.5) or
- German: DSH 2 / TestDaF 4444

#### Required documents
- Application form (Print-out Online-Application)
- University graduation certificate + official translation
- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)
- if you have not finished your undergraduate studies: enrollment certificate + current transcript of records + overview of exams that will be taken
- Proof of language skills
- Curriculum Vitae
- Official APS-certificate for applicants from China, Vietnam and Mongolia
- If available: Statement of your final grade
  - Further information about grading system with highest and passing grade

#### Further documents (if available)
- proof of right to sit exam for applicants with German Bachelor
- proof of internship

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12 The selection committee will contact, after checking the application documents, those applicants who need to sit the entrance exam.

13 People in the following categories do not need to prove their knowledge of English: studies taught entirely in English, studies completed in Anglophone country.

14 All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
### Meteorology Master

<table>
<thead>
<tr>
<th><strong>Start of semester</strong></th>
<th>Winter- and summerterm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deadline</strong></td>
<td>30. September (winter)</td>
</tr>
<tr>
<td></td>
<td>31. March (summer)</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Requirements</strong></td>
<td>- Bachelor degree in one of the following subjects: Meteorology, Physics, Mathematics, Geosciences, Oceanography, or related subjects.</td>
</tr>
<tr>
<td></td>
<td>- Profound knowledge of Meteorology (30 ECTS), Physics (30 ECTS) and Mathematics (12 ECTS).</td>
</tr>
<tr>
<td></td>
<td>Missing credits (up to 30) can individually caught up for during the 1st year.</td>
</tr>
<tr>
<td><strong>Language requirements</strong></td>
<td>English Level B2 after the common European Reference Framework(^{15}) for languages which can be proven by</td>
</tr>
<tr>
<td></td>
<td>- Cambridge Certificate: FCA, CAE, or CPE</td>
</tr>
<tr>
<td></td>
<td>- IELTS: 6.0 overall, with no less than 5.0 in any component</td>
</tr>
<tr>
<td></td>
<td>- TOEFL: 72 overall, minimum reading (18), listening (17), speaking (20), writing (17)</td>
</tr>
<tr>
<td></td>
<td>- TOIEC: minimum listening (400), reading (385)</td>
</tr>
<tr>
<td></td>
<td>- German Abitur: minimum 5 years of English until the final year with an average grade of 4 or mark of 5 points within the last two years or in the final exam.</td>
</tr>
<tr>
<td><strong>Required documents</strong></td>
<td>- Application form (Print-out Online-Application)</td>
</tr>
<tr>
<td></td>
<td>- University graduation certificate + official translation (In case not completed enclose certificate of enrollment)</td>
</tr>
<tr>
<td></td>
<td>- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)</td>
</tr>
<tr>
<td></td>
<td>- Proof of language skills</td>
</tr>
<tr>
<td></td>
<td>- Curriculum Vitae</td>
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<tr>
<td></td>
<td>- Official APS-certificate for applicants from China, Vietnam and Mongolia</td>
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<tr>
<td></td>
<td>If available:</td>
</tr>
<tr>
<td></td>
<td>- Statement of your final grade</td>
</tr>
<tr>
<td></td>
<td>- Further information about grading system with highest and passing grade</td>
</tr>
<tr>
<td></td>
<td>- References</td>
</tr>
<tr>
<td><strong>Further documents (if available)</strong></td>
<td>- Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)</td>
</tr>
<tr>
<td></td>
<td>- Please enclose a written statement in case of former participation in the application process</td>
</tr>
</tbody>
</table>

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\(^{15}\) On request the following proofs can also be accepted: Bachelor degree of a university program taught in English; University entrance qualification received in an English program; Bachelor thesis written in English, Bachelor degree in Meteorology at KIT.

\(^{16}\) All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
<table>
<thead>
<tr>
<th>Karlsruhe School of Optics and Photonics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Optics and Photonics</strong></td>
<td><strong>Master</strong></td>
</tr>
<tr>
<td><strong>Start of semester</strong></td>
<td>Winterterm</td>
</tr>
<tr>
<td><strong>Deadline</strong></td>
<td>30. April</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Requirements
- Undergraduate studies in the field of optics & photonics or physics, chemistry, electrical engineering, mechanical engineering, biology, mathematics or informatics
- Mathematics 12 CP/ECTS
- Physics 12 CP/ECTS

### Language requirements
- English: TOEFL (570 paper-based, 250 computer-based, 88 internet-based)/IELTS (at least 6.5) or equivalent proof

### Required documents
1. Application form (Print-out Online-Application)
2. University graduation certificate + official translation (In case not completed enclose certificate of enrollment)
3. Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)
4. Proof of language skills
5. Curriculum Vitae
6. Official APS-certificate for applicants from China, Vietnam and Mongolia

If available:
- Statement of your final grade
- Further information about grading system with highest and passing grade

### Further documents (if available)
- Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)
- Letter of motivation
- Two references
- Please enclose a written statement in case of former participation in the application process

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17 People in the following categories do not need to prove their knowledge of English: native speaker, studies taught entirely in English, studies completed in Anglophone country.

18 All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
### KIT-Faculty for Civil Engineering, Geo- and Environmental Sciences

<table>
<thead>
<tr>
<th>Remote Sensing and Geoinformatics</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Start of semester</strong></td>
<td>Winter-summerterm</td>
</tr>
<tr>
<td><strong>Deadline</strong></td>
<td>30. September 31. March</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>No</td>
</tr>
</tbody>
</table>
| **Requirements**                 | - Undergraduate studies in the fields of physical-natural sciences, engineering-information technology and especially geodesy or geoinformatics-affine or geoscientific fields  
- Mathematics, statistics, physics and/or mechanics 25 CP/ECTS  
- (geo) computer sciences, image processing, remote sensing, photogrammetry, geosciences, geodesy and/or cartography 30 CP/ECTS |
| **Language requirements**         | - TOEFL (570 paper-based, 230 computer-based, 92 internet-based)/IELTS (6.5) /CAE (A,B,C)/CPE (A,B,C)\(^{19}\) |
| **Required documents\(^{20}\)**  | - Application form (Print-out Online-Application)  
- University graduation certificate + official translation (In case not completed enclose certificate of enrollment)  
- Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)  
- Proof of language skills  
- Curriculum Vitae  
- Official APS-certificate for applicants from China, Vietnam and Mongolia (if available:  
- Statement of your final grade  
- Further information about grading system with highest and passing grade  
- References) |
| **Further documents (if available)** | - Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships) |

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\(^{19}\) People in the following categories do not need to prove their knowledge of English: native speaker, studies taught entirely in English, studies completed in Anglophone country.

\(^{20}\) All certificates must be submitted as copies. For the enrollment, you will need to present the originals.
### KIT-Faculty for Civil Engineering, Geo- and Environmental Sciences

<table>
<thead>
<tr>
<th>Water Science and Engineering</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Start of semester</strong></td>
<td>Winterterm</td>
</tr>
<tr>
<td><strong>Deadline</strong></td>
<td>15. June</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Admission restriction</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>
| **Requirements**              | - Undergraduate studies in the field of mechanical-, civil-, environmental-, chemical- or biological-engineering or in the field of geocology, environmental- or geosciences  
   - Higher mathematics 12 CP/ECTS  
   - Two out of three:  
     - Physics and/or mechanics 10 CP/ECTS  
     - Fields of water science (Water management, hydrology, hydrogeology, hydrometeorology) 10 CP/ECTS  
     - Biology and/or chemistry 10 CP/ECTS  
   - Interview |
| **Language requirements**     | - TOEFL (90 internet-based) / IELTS (6.5 overall, no section below 5.5) / CAE or CPE / UniCert II |
| **Required documents**        | - Application form (Print-out Online-Application)  
   - University graduation certificate + official translation (In case not completed enclose certificate of enrollment)  
   - Transcript of Records/Diploma Supplement + official translation (Including information about content and amount of the courses, e.g. credits or hours per week)  
   - Proof of language skills  
   - Curriculum Vitae  
   - Official APS-certificate for applicants from China, Vietnam and Mongolia  
   - Overview on Academic Accomplishments:  
     [www.wasser.kit.edu/downloads/Form_entry_requirements.pdf](http://www.wasser.kit.edu/downloads/Form_entry_requirements.pdf)  
   - If available:  
     - Statement of your final grade  
     - Further information about grading system with highest and passing grade |
| **Further documents (if available)** | - Certificates of further academic and professional achievements (e.g. professional training, awards, publications, research and development activities or scholarships)  
   - Please enclose a written statement in case of former participation in the application process |

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21 People in the following categories do not need to prove their knowledge of English: School or Bachelor certificate from an institution located in USA, Canada, UK, Ireland, Australia, New Zealand OR Bachelor from a university in the EU and Suisse entirely taught in English (as mentioned on the Diploma Supplement, Transcript of Records or Degree Certificate).

22 All certificates must be submitted as copies. For the enrollment, you will need to present the originals.