English Master Courses at RWTH Aachen University

Automotive Engineering

Start: October
Duration: 4 semesters (120 ECTS)
Fees: € 3700 / semester
Website: http://www.master-automotive-engineering.com/
Prerequisites: A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Mechanical Engineering or a related discipline, such as Automotive, Aerospace or Energy Engineering, Manufacturing, Industrial or Production Engineering, awarded by an internationally recognised university-level institution.

Candidates should be able to apply their knowledge of mathematics and science and engineering to identify, formulate, and solve engineering problems. In addition, candidates should be able to design a particular system, component, or process to meet desired needs, as well as to prepare and perform experiments in a laboratory environment.

Applicants should also have performed above average in their undergraduate studies and should be fluent in English (oral and written - TOEFL PB 550/ CB 213 / IB 80 or IELTS 6.0 required). The GRE (general test) is also required.

Biomedical Engineering

Start: October
Duration: 4 semesters (120 ECTS)
Fees: Regular tuition fees and social service contribution (~ € 650 / semester)
Website: http://www.rwth-aachen.de/go/id/ogt
Prerequisites: Applicants should have a recognised first degree (Bachelor of Science or Engineering) in Medical Sciences, Dentistry, Biology, Chemistry, Physics, Mechanical Engineering, Electrical Engineering, Information Technology, or another closely related discipline awarded by an internationally recognised university or equivalent degree-awarding institution.

Candidates should also have performed above average in their undergraduate studies. The Graduate Record Examination (GRE; not older than five years) is required for non-EU students.

Applicants are required to speak and write fluent English. They must prove their English language skills with TOEFL scores of 550 paper-based, 213 computer-based, 80 internet-based; IELTS 6.0, or Cambridge level C. The certificate should not be older than two years when the course starts. No previous knowledge of German is required. English-speaking students will attend an obligatory basic German language course that will start in August, two months prior to the beginning of the Master’s programme.

Application deadline is March 1st of each year.

For more details on entry requirements and application procedures, please check http://www-zhv.rwth-aachen.de/zentral/english_masters_english.htm
English Master Courses at RWTH Aachen University

### Combustion Engines

- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** € 3700 / semester
- **Website:** [http://www.master-combustion-engines.com/](http://www.master-combustion-engines.com/)

**Prerequisites:**

A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Mechanical Engineering or a related discipline, such as Automotive, Aerospace or Energy Engineering, Manufacturing, Industrial or Production Engineering, awarded by an internationally recognised university-level institution.

Candidates should be able to apply their knowledge of mathematics and science and engineering to identify, formulate, and solve engineering problems. In addition, candidates should be able to design a particular system, component, or process to meet desired needs, as well as to prepare and perform experiments in a laboratory environment.

Applicants should also have performed above average in their undergraduate studies and should be fluent in English (oral and written - TOEFL PB 550/ CB 213 / IB 80 or IELTS 6.0 required). The GRE (general test) is also required.

### Communications Engineering

- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** Regular tuition fees and social service contribution (~ € 650 / semester)
- **Website:** [http://www.rwth-aachen.de/go/id/drm/](http://www.rwth-aachen.de/go/id/drm/)

**Prerequisites:**

Applicants should have a Bachelor’s degree in a field strongly related to Communications Engineering from an internationally recognised university. During their first degree studies students should have performed well above average (upper third) and shown excellent performance in the field of Communications Engineering, especially in subjects such as "Probability and Random Processes", "Information Theory", and "Signals and Systems".

Students should have substantial knowledge of Mathematics, Probability Theory, and Digital Signal Processing as well as fundamental experience in computer programming.

If the university does not offer the Bachelor’s degree students will need to have completed their first university degree (e.g., Diplom in Germany or Magister/Engineer in Europe).

Applicants must have proof of their English language skills (TOEFL 550 paper-based, 213 computer-based, 80 internet-based; IELTS 6.0). The TOEFL must not be older than two years when the course starts. No previous knowledge of German is required. Preference is given to applicants with GRE.
English Master Courses at RWTH Aachen University

Computer Aided Conception and Production in Mechanical Engineering

Start: October  
Duration: 4 semesters (120 ECTS)  
Fees: € 3700 / semester  
Website: http://www.master-computer-aided-mechanical-engineering.com/  
Prerequisites: A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Mechanical Engineering or a related discipline, such as Automotive, Aerospace or Energy Engineering, Manufacturing, Industrial or Production Engineering, awarded by an internationally recognised university-level institution.

Candidates should be able to apply their knowledge of mathematics and science and engineering to identify, formulate, and solve engineering problems. In addition, candidates should be able to design a particular system, component, or process to meet desired needs, as well as to prepare and perform experiments in a laboratory environment.

Applicants should also have performed above average in their undergraduate studies and should be fluent in English (oral and written - TOEFL PB 550/ CB 213 / IB 80 or IELTS 6.0 required). The GRE (general test) is also required.

Electrical Power Engineering

Start: October  
Duration: 4 semesters (120 ECTS)  
Fees: Regular tuition fees and social service contribution (~ € 650 / semester)  
Website: http://www.rwth-aachen.de/go/id/dm/  
Prerequisites: A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Electrical Engineering awarded by an internationally recognised university or equivalent degree-awarding institution. Students should have profound theoretical knowledge of Electrical Engineering, Higher Mathematics, and the Natural Sciences. Candidates should also have performed above average in their undergraduate studies. The Graduate Record Examination (GRE) is recommended (not required).

For English-taught programmes candidates must be able to speak and write fluent English (TOEFL 550 paper-based/ 213 computer-based or IELTS 6.0). English-speaking students will also attend a basic German language course that will start in August, two months prior to the beginning of the Master’s programme.
English Master Courses at RWTH Aachen University

Lasers in Dentistry

Start: March (in Aachen) April (in Dubai)
Duration: 2 years
Fees: €23,000 total
Website: http://www.aalz.de/master1/index.html
Prerequisites: Candidates need to be licensed dentists or have a similar qualification. Candidates also need to prove that they have worked as dentists in a hospital or dental practice for a minimum of two years.

Students following the programme in English need to show proof of their English language qualification through the TOEFL (PB 550 / CB 213 / IB 80 or IELTS 6.0 required). Candidates who have received their degree in dentistry in an English language programme are exempt from these tests.

Media Informatics

Start: October
Duration: 4 semesters (120 ECTS)
Fees: Regular tuition fees and social service contribution (~ €650 / semester)
Website: http://www.rwth-aachen.de/go/id/drq/
Prerequisites: Candidates should have a recognised first degree (Bachelor of Science or Engineering) in Computer Science, Computer Engineering, Informatics, or another closely related discipline, awarded by an internationally recognised university-level institution. Candidates should have also performed above average in their undergraduate studies. The candidate should have a substantial background in Computer Science and Mathematics. Typically this would include courses taken in the following areas: Calculus, Linear Algebra, Discrete Mathematics and Logic, Numerics, Probability Theory, Fundamentals of Computer Programming, Computer Architecture, Data Structures, Analysis of Algorithms, Programming Languages, Automata Theory, Computability, and Complexity Theory.

In addition, applicants should have taken at least two advanced undergraduate courses on specialised topics such as Distributed Systems, Information Systems, Operating Systems, or Multimedia Techniques.

Candidates must be able to speak and write fluently in English (TOEFL 550 paper-based / 213 computer-based / 80 internet-based or IELTS 6.0). We strongly advise candidates to take the general Graduate Record Examination (GRE) as it will serve as an additional decision criterion.
English Master Courses at RWTH Aachen University

### Metallurgical Engineering

**Start:** October  
**Duration:** 4 semesters (120 ECTS)  
**Fees:** Regular tuition fees and social service contribution (~ € 650 / semester)  
**Website:** [http://www.rwth-aachen.de/go/id/drr/](http://www.rwth-aachen.de/go/id/drr/)  
**Prerequisites:** A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Metallurgy, Materials Engineering, or in another closely related discipline, awarded by an internationally recognised university or equivalent degree-awarding institution. Students should have an interest in continuing their careers in the field of metallurgy or material science. The programme is appropriate for engineers coming from industry or university.

Candidates should be able to apply their knowledge of mathematics, science, and engineering to identify, formulate, and solve engineering problems, as well as to set up and perform experiments in a laboratory setting.

Applicants must have proof of their English language skills (TOEFL 550 paper-based, 213 computer-based; IELTS 6.0). Further, candidates should have performed above average in their undergraduate studies.

### Production Systems Engineering

**Start:** October  
**Duration:** 4 semesters (120 ECTS)  
**Fees:** € 3700 / semester  
**Website:** [http://www.master-production-engineering.com/](http://www.master-production-engineering.com/)  
**Prerequisites:** A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Mechanical Engineering or a related discipline, such as Automotive, Aerospace or Energy Engineering, Manufacturing, Industrial or Production Engineering, awarded by an internationally recognised university-level institution.

Candidates should be able to apply their knowledge of mathematics and science and engineering to identify, formulate, and solve engineering problems. In addition, candidates should be able to design a particular system, component, or process to meet desired needs, as well as to prepare and perform experiments in a laboratory environment.

Applicants should also have performed above average in their undergraduate studies and should be fluent in English (oral and written - TOEFL PB 550/ CB 213 / IB 80 or IELTS 6.0 required). The GRE (general test) is also required.
Software Systems Engineering

Start: October
Duration: 4 semesters (120 ECTS)
Fees: Regular tuition fees and social service contribution (~ € 650 / semester)
Website: http://www.rwth-aachen.de/go/id/drt/
Prerequisites: A candidate should have a recognised first degree (Bachelor of Science or Engineering) in Computer Science, Computer Engineering, Informatics, or another closely related discipline, awarded by an internationally recognised university or equivalent degree-awarding institution.

The candidate should have a substantial background in Computer Science and Mathematics. Typically this would include courses in the following areas: Calculus, Linear Algebra, Discrete Mathematics and Logic, Probability Theory, Fundamentals of Computer Programming, Computer Architecture, Data Structures, Analysis of Algorithms, Programming Languages, Computability, and Complexity Theory. In addition, an applicant should have taken at least two advanced undergraduate courses in specialised topics such as Distributed Systems, Information Systems, Operating Systems, and Compilers.

Applicants should also have performed above average during their undergraduate studies. Further, we strongly advise candidates to take the Graduate Record Examination (GRE).

The candidate must be able to speak and write fluent English (TOEFL 550 paper-based /213 computer-based or IELTS 6.0). English-speaking students will attend a basic German language course starting in August, two months prior to the beginning of the Master’s programme.
English Master Courses at Berlin Institute of Technology

**Computational Neuroscience**

Start: October  
Duration: 4 semesters  
Fees: none  
Website: [http://www.bccn-berlin.de/Graduate+Programs](http://www.bccn-berlin.de/Graduate+Programs)  
Prerequisites: Completed B.Sc. and a solid mathematical background

**Geodesy and Geoinformation Science**

Start: October  
Duration: 4 semesters  
Fees: none  
Prerequisites: Applicants with a Bachelor's degree in surveying, geodesy, geoinformatics or related disciplines (such as mathematics, physics, computer science, civil engineering, Earth sciences, geography or cartography) fulfill the prerequisites.

**Global Production Engineering**

Start: October  
Duration: 4 semesters  
Fees: €13 900 for the complete program  
Website: [http://www.gpe.tu-berlin.de/](http://www.gpe.tu-berlin.de/)  
Prerequisites: Bachelor of Engineering/equivalent, TOEFL ibt 90 / equivalent tests. Normally at least one year professional experience is requested.

**Industrial and Network Economics**

Start: October  
Duration: 4 semesters  
Fees: none  
Website: [http://www.mine.tu-berlin.de/](http://www.mine.tu-berlin.de/)  
Prerequisites: Bachelor of Economics
English Master Courses at Berlin Institute of Technology

**Polymer Science**
- **Start:** October and April
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** http://pmm08.physik.hu-berlin.de/ps/pshome.htm
- **Prerequisites:** Qualified Bachelor of Science

**Process Energy and Environmental Systems Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** http://www.peese.tu-berlin.de
- **Prerequisites:** Bachelor in Chemical Engineering, Energy Engineering, Environmental Engineering, Mechanical Engineering

**Scientific Computing**
- **Start:** October and April
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** http://www.math.tu-berlin.de/~studber/SCMaster.shtml
- **Prerequisites:** Bachelor of Science

**Urban Design**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** http://www.tu-berlin.de/urbandesign
- **Prerequisites:** Bachelor’s degree in Architecture, Landscape Architecture or Urban Planning, Test DaF, at least 18 weeks of an internship
English Master Courses at Berlin Institute of Technology

Urban Management

Start: October
Duration: 3 semesters
Fees: € 11,000 for three semesters
Website: http://www.urban-management.de/
Prerequisites: Bachelor’s degree or German Diploma (University or FH) or equivalent in Geography, Architecture, Landscape Architecture, Urban Planning, Civil Engineering, Law, Political Science, Business and Administration, Economics. At least 2 years practical experience in a field related to urban management.
## Computational Sciences in Engineering

<table>
<thead>
<tr>
<th>Start:</th>
<th>October</th>
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<tbody>
<tr>
<td>Duration:</td>
<td>4 semesters</td>
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<tr>
<td>Fees:</td>
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<tr>
<td>Website:</td>
<td><a href="http://www.tu-braunschweig.de/studieninteressierte/studienangebot/cse">http://www.tu-braunschweig.de/studieninteressierte/studienangebot/cse</a></td>
</tr>
</tbody>
</table>

**Prerequisites:**
In order to take part in the CSE Master's programme, you need a Bachelor of Science degree in engineering or natural sciences. You can also apply for the Master of Science programme when you have an intermediate diploma plus one to three semesters of special studies at a university or a degree from an advanced technical college.
English Master Courses at Technische Universität Darmstadt

**Electrical Power Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** [http://www.etit.tu-darmstadt.de/Studiengaenge.42.0.html](http://www.etit.tu-darmstadt.de/Studiengaenge.42.0.html)
- **Prerequisites:** Fachrelevanter Bachelor-Abschluss

**Information & Communication Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** none
- **Website:** [http://www.microelectronic.e-technik.tu-darmstadt.de/ice_master/](http://www.microelectronic.e-technik.tu-darmstadt.de/ice_master/)
- **Prerequisites:** A Bachelor degree in a field related to Information and Communication Engineering and certified English proficiency

**International Urban Development**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** For the first year €5,000, for the second year fees vary.
- **Website:** [http://www.urban-studies.de/](http://www.urban-studies.de/)
- **Prerequisites:** Applicants must have a first university degree and should have a minimum of 1 year work experience in the field of urban development or international cooperation.

**Linguistic and Literary Computing, Master of Arts**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** none
- **Prerequisites:** Fachrelevanter BA oder B.Sc. (siehe Studienordnung)
Tropical Hydrogeology, Engineering Geology and Environmental Management (TropHEE), Master of Science

Start: October
Duration: 4 semesters (120 ECTS)
Fees: none
Website: http://www.trophee.tu-darmstadt.de/
Prerequisites: The course is designed for geoscientists (geologists, geoecologists, geophysicists, mineralogists, geographers, soil scientists, civil engineers. You need a B.Sc. in one of these fields.
English Master Courses at Technische Universität Dresden

**Computational Logic**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** €1500 per semester
- **Website:** [http://www.computational-logic.org/](http://www.computational-logic.org/)
- **Prerequisites:** A Bachelor’s Degree in Computer Science or a comparable university degree; English-Language Certificate

**Distributed Systems Engineering**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** none
- **Website:** [http://wwwce.inf.tu-dresden.de/courses.html](http://wwwce.inf.tu-dresden.de/courses.html)
- **Prerequisites:** A three-year Bachelor’s Degree in Computer Science or a comparable university-equivalent qualification; TOEFL: required level of 550 points, or IELTS: required level 6.0
- Certificates indicating the achievement of "good" (grade B) or "very good" (grade A) in the following areas:
- Submission of GRE-score report (general test) is strongly recommended

**Hydro Science and Engineering**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** For the first year €5,000, for the second year fees vary
- **Website:** [http://tu-dresden.de/die_tu_dresden/fakultaeten/fakultaet_forst_geo_und_hydrowissenschaften/fachrichtung_wasserwesen/stg_hse](http://tu-dresden.de/die_tu_dresden/fakultaeten/fakultaet_forst_geo_und_hydrowissenschaften/fachrichtung_wasserwesen/stg_hse)
- **Prerequisites:** Abschluss eines in der Regel überdurchschnittlichen Hochschulstudiums in einem Studiengang der Umweltwissenschaften bzw. des Bauingenieurwesens mit mindestens 6 Semestern Regelstudienzeit; Nachweis in Grundlagenkenntnissen der Mathematik und Naturwissenschaften; Englischkenntnisse (C1)

**Molecular Bioengineering**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** none
- **Website:** [http://www.biotec.tu-dresden.de/teaching/bioengineering](http://www.biotec.tu-dresden.de/teaching/bioengineering)
- **Prerequisites:** A Diploma degree or a Bachelor’s degree or an equivalent qualification in biotechnology, biology,
English Master Courses at Technische Universität Dresden

chemistry, physics, materials science, medicine, nanotechnology, computer science with minimum overall German grade of 2.3 or equivalent ("good"), a proof of basic knowledge in biochemistry, cell biology, materials science, physics and mathematics and proficiency in English (TOEFL 550 points; IELTS 6.0).

**Nanobiophysics**

| Start:     | October          |
| Duration:  | 4 semesters (120 ECTS) |
| Fees:      | none             |
| Website:   | http://www.biotec.tu-dresden.de/teaching/biophysics |
| Prerequisites: | A Diploma degree or a Bachelor's degree or an equivalent qualification in physics, biophysics or engineering (nanotechnology) with minimum overall German grade of 2.5 or equivalent ("good"), a proof of good knowledge in the fundamentals of physics. |

**Tropical Forestry and Management**

| Start:     | October          |
| Duration:  | 4 semesters      |
| Fees:      | none             |
| Website:   | http://www.forst.tu-dresden.de/Inter/tropen/master.htm |
| Prerequisites: | Requirement for being admitted to the Course is an above-average certificate of Higher Education (equaling or better than 2.5) in a course of studies of forest sciences or related disciplines with at least the BSc degree. As related disciplines are regarded, among others, agriculture, horticulture, landscape and regional planning, geography, water management, biology. The course presupposes a good command of the English language, which has to be certified by TOEFL 550 (Computer 213 or IELTS 6.0). |
English Master Courses at Leibniz Universität Hannover

**European Studies**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 600€ per semester  
**Website:** http://www.europe.uni-hannover.de  
**Prerequisites:** Applicants must have completed a Bachelor degree in a relevant subject. All disciplines within social sciences, humanities, law and economics are considered relevant subjects; proof of a relevant (e.g. professional) qualification. All decisions regarding the recognition of these qualifications are taken by the admissions committee.  
English language skills (e.g. by TOEFL test or through a study placement of at least one semester at a university in an English-speaking country). In addition, knowledge of a further official EU language is required.  
Applicants from outside of Germany must also demonstrate proficiency in German. This can be done through successful completion of the DSH exam (Deutsche Sprachprüfung für den Hochschulzugang – German language test for university admission, previously PNdS) taken at a German-speaking university and/or a study placement of at least one semester at a German-speaking university.

**International Horticulture**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 500 € per semester  
**Website:** http://www.gartenbau.uni-hannover.de/fb/msc/  
**Prerequisites:** preferably BSc. Horticulture, BSc. Agriculture, BSc. Biology or a bachelor in comparable courses; English Language Certificate

**Water Resources and Environmental Management**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 500 € per semester  
**Website:** www.iww.uni-hannover.de/watenv  
**Prerequisites:** Applicants must hold a Bachelors degree in a field related to the WATENV Masters programme, e.g. civil engineering, environmental sciences, natural sciences or geosciences. Instructions and examinations are given in English language. Applicants with non-English native language have to provide evidence of an adequate working knowledge of English via an internationally recognised certificate, e.g. TOEFL or IELTS.
### International Master in Mathematics

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<tr>
<td>Website:</td>
<td><a href="http://www.mathematik.uni-karlsruhe.de/seite/masterprogram/en">http://www.mathematik.uni-karlsruhe.de/seite/masterprogram/en</a></td>
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<tr>
<td>Prerequisites:</td>
<td>The students should have received an international Bachelor degree (with high grades) in Mathematics or in a related subject. Proficiency in English (TOEFL) or German language (DSH or basic level III) is requested.</td>
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### Information and Communication Engineering

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<tr>
<td>Website:</td>
<td><a href="http://www.id.uni-karlsruhe.de/218.php">http://www.id.uni-karlsruhe.de/218.php</a></td>
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<tr>
<td>Prerequisites:</td>
<td>Participants hold a bachelor's degree in electrical engineering (or equivalent) and have international background</td>
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### Optics and Photonics

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<td>Website:</td>
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<tr>
<td>Prerequisites:</td>
<td>Candidates should have a degree in Physics, Chemistry, Electrical Engineering, Mechanical Engineering, Mathematics, Computer Science, or Biology. Candidates with other equivalent but less common degrees (e.g. Mechatronic, Nanotechnology) will also be considered.</td>
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### Resources Engineering

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<td>Fees:</td>
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<tr>
<td>Website:</td>
<td><a href="http://www.rz.uni-karlsruhe.de/~ga01/">http://www.rz.uni-karlsruhe.de/~ga01/</a></td>
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<tr>
<td>Prerequisites:</td>
<td>Graduates from academic programs in engineering, mainly civil engineering, and environmental sciences (Bachelor-degree or equivalent), English-Language Certificate</td>
</tr>
</tbody>
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Utilities and Waste – Sustainable Processing

Start: October
Duration: 4 semesters (120 ECTS)
Fees: €7372 per year
Website: http://www.rz.uni-karlsruhe.de/~ii47/utilwaste/
Prerequisites: Bachelor’s degree in engineering (mainly chemical, process, civil and mechanical engineering) or related subjects; very good English abilities
For DAAD-scholarships: At least 2 years of non-academic work experience
English Master Courses at Technische Universität München

**Advanced Materials Science**
- **Start:** October
- **Duration:** 3 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** http://www.ams.cup.uni-muenchen.de/
- **Prerequisites:** Bachelor’s (B.Sc.) or equivalent degree in Chemistry, Physics or Materials Science

**Aerospace Engineering (GIST – TUM Asia)**
- **Start:** August
- **Duration:** 4 semesters
- **Fees:** SGD 10,000 per semester
- **Website:** www.gist.edu.sg/aerospace_engineering.aspx
- **Prerequisites:** A bachelor's degree or equivalent in mechanical or aerospace engineering or a related discipline from a university with recognized standing. Application documents plus a written assessment test and/or interview with the Joint Admission Board of the Faculties of Mechanical and Aerospace Engineering at NTU and Aerospace Engineering at TUM

**Biomedical Computing**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** http://www.in.tum.de/fuer-studieninteressierte/master-studiengaenge/biomedical-computing.html
- **Prerequisites:** Bachelor’s (B.Sc.) or equivalent degree in Computer Science, Mathematics, Electrical Engineering or Physics

**Communications Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** http://www.master.ei.tum.de/frames/frame.php?nvbar=1&sdbar=2&mnfr=1
- **Prerequisites:** Bachelor's degree or equivalent degree in electrical engineering and/or information technology

**Computational Mechanics**
- **Start:** October
- **Duration:** 4 semesters (120 ECTS)
- **Fees:** 542 Euros per semester (2009)
- **Website:** http://www.come.tum.de/cms/
- **Prerequisites:** above-average Bachelor’s Degree (or German Diplom FH) in Civil Engineering, Mechanical Engineering or comparable programs; an adequate knowledge of English
English Master Courses at Technische Universität München

**Computational Science and Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** [http://www.cse.tum.de/](http://www.cse.tum.de/)
- **Prerequisites:** Bachelor's or master's degree in engineering or science or a related field; solid background in mathematics; adequate knowledge of English

**Consumer Affairs**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** [http://www.mcr.wi.tum.de/index.php?id=190](http://www.mcr.wi.tum.de/index.php?id=190)
- **Prerequisites:** Bachelor's degree in socio-economics as well as in sciences or engineering with a Consumer Affairs orientation and at least 30 ECTS in socio-economic courses (e.g. business administration, economics and sociology).

**Engineering Physics**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** [http://www.ph.tum.de/studium/angebote/msc](http://www.ph.tum.de/studium/angebote/msc)
- **Prerequisites:** Participants hold a bachelor degree in physics (or equivalent)

**Environmental Engineering**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** [http://www.umwelt bv.tum.de/](http://www.umwelt bv.tum.de/)
- **Prerequisites:** The course of Environmental Engineering at the TUM envisions an Engineer who is able to foresee and estimate the impacts and consequences of engineering projects and activities on the environment, the society and the economy. The Environmental Engineer should as well be able to conceive and design measures in order to mitigate or avoid negative impacts of these activities.

**ESPACE - Earth Oriented Space Science and Technology**
- **Start:** October
- **Duration:** 4 semesters
- **Fees:** 542 Euros per semester (2009)
- **Website:** [http://www.espace-tum.de/](http://www.espace-tum.de/)
- **Prerequisites:** Bachelor degree or Diploma or equivalent from an internationally recognized university in science or engineering (such as mathematics, physics, informatics, mechanical/electrical/aerospace engineering, geodesy, geophysics)
Horticultural Sciences
Start: April and October
Duration: 4 semesters
Fees: 542 Euros per semester
Website: www.hortscience.de
Prerequisites: Bachelor's degree in one of the life sciences, proof of German language proficiency.

Industrial Chemistry (GIST – TUM Asia)
Start: August
Duration: 3 semesters
Fees: SGD 15,000 per semester
Website: www.gist.edu.sg/industrial_chemistry.aspx
Prerequisites: A bachelor's degree or equivalent in chemistry or related disciplines from a university with recognized standing. Application documents assessment/ written test and/or interview with the Joint Admission Board of the Faculties of Chemistry of NUS and TUM.

Informatics
Start: April and October
Duration: 4 semesters
Fees: 542 Euros per semester (2009)
Website: http://www.in.tum.de
Prerequisites: The English speaking program in Informatics is fully integrated in the Department's Master's program in Informatics which offers courses in both English and German.

Integrated Circuit Design (GIST – TUM Asia)
Start: August
Duration: 3 semesters
Fees: SGD 10,000 per semester
Website: www.gist.edu.sg/integrated_circuit_design.aspx
Prerequisites: A bachelor's degree or equivalent in electrical engineering or electronics or a related discipline from a university with recognized standing. Application documents plus a written assessment test and/or interview with the Joint Admission Board of the Faculties of Electrical Engineering at NTU and TUM.

Intellectual Property and Competition Law
Start: October
Duration: 2 semesters (60 ECTS)
Fees: Tuition for the entire program is €26,000
Website: http://www.miplc.de/llm/
Prerequisites: Bachelor's Degree (or equivalent) in law, economics, business administration, natural sciences, engineering, IT, literature or media sciences; at least one year of relevant professional experience; sufficient knowledge of English
Land Management and Land Tenure
Start: October
Duration: 3 semesters
Fees: €4,000 for the 18-month academic program
Website: http://www.landentwicklung-muenchen.de/master/
Prerequisites: Bachelor’s degree, a German Diplom (University or FH) or equivalent; at least 2 years of practical experience in a field related to land management; adequate knowledge of English.

Management of Innovation and Leadership – Innovation and Business Creation (Executive MBA)
Start: May
Duration: 3 semesters
Fees: Fees are EUR 28,000 and include tuition, coaching of innovation projects, learning materials and lunch served during the learning modules
Website: http://www.innovationprogram.de/emba/index.html
Prerequisites: This MBA program is intended for qualified specialists, managers and future company promoters with a university degree and a minimum of three years of professional experience.

Microelectronics (GIST – TUM Asia)
Start: August
Duration: 3 semesters
Fees: SGD 10,000 per semester
Website: www.gist.edu.sg/microelectronics.aspx
Prerequisites: A bachelor’s degree or equivalent in electrical/electronic or related disciplines from a university with recognized standing. Application documents assessment/ written test and / or interview with the Joint Admission Board of the Faculties of Electrical Engineering of NTU and TUM.

PhD Program: Medical Life Science and Technology
Start: April and October
Duration: 6 semesters
Website: http://www.phd.med.tum.de/
Prerequisites: This three years program provides a high-level scientific training for students with a background in medicine as well as for those with a background in natural and life sciences or engineering.

Sustainable Resource Management
Start: October
Duration: 4 semesters (120 ECTS)
Fees: 542 Euros per semester (2009)
Website: http://www.forst.zwt.tum.de/htdocs/studi_srm_.php
Prerequisites: Diplom-, Magister oder Masterabschluss oder überdurchschnittlicher Bachelor Abschluss in einem ingenieurwissenschaftlichen, naturwissenschaftlichen, wirtschafts- oder sozialwissenschaftlichen Studiengang, Nachweis über ausreichende Englischkenntnisse.
Transportation and Logistics (GIST – TUM Asia)

**Start:** August  
**Duration:** 3 semesters  
**Fees:** SGD 9,000 per semester  
**Website:** www.gist.edu.sg/transport_logistics.aspx

**Prerequisites:** Applications are open to candidates with a relevant bachelor's degree in any of the following areas (but not limited): Logistics, Transportation Engineering, Civil Engineering, Electrical Engineering, Geodetics, Mechanical Engineering, Geography, Computer Science, Communications Engineering, Economics, Mathematics, Physical Sciences, Architecture, Environmental Engineering, Tourisms.

Transportation Systems

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 542 Euros per semester (2009)  
**Website:** http://www.transportation.bv.tum.de/

**Prerequisites:** Bachelor's degree (or FH-Diplom) in Civil Engineering, Transportation Engineering, Electrical Engineering, Geodetics, Mechanical Engineering, Geography, Computer Science, Communications Engineering, Economics, Mathematics, Physical Sciences, Architecture, Environmental Engineering, Tourism
English Master Courses at University of Stuttgart

Air Quality Control, Solid Waste and Waste Water Process Engineering (WASTE)

Start: October  
Duration: 4 semesters  
Fees: 500EUR/semester  
Website: http://www.uni-stuttgart.de/studieren/angebot/waste/index.en.html  
Prerequisites: Bachelor or Diploma Degree in Chemical, Civil, Environmental, Mechanical, or Process Engineering or in a related field; very good knowledge of English

COMMAS - Computational Mechanics of Materials and Structures

Start: October  
Duration: 3 semesters  
Fees: 500EUR/semester  
Website: http://www.msc.commas.uni-stuttgart.de/  
Prerequisites: Bachelor Degree in Engineering or Natural Science or a related field, or a "Diplom" degree (U, FH, BA), or a "Vordiplom" and examinations in additional core courses; GRE-Test; TOEFL-Test

GEOENGINE - Geomatics Engineering

Start: October  
Duration: 3 semesters  
Fees: 500EUR/semester  
Website: http://www.geoengine.uni-stuttgart.de/  
Prerequisites: a qualifying Bachelor Degree in Geomatics Engineering or in any other corresponding study course; proof of fundamental knowledge of English

INFOTECH - Information Technology

Start: October  
Duration: 4 semesters  
Fees: 500EUR/semester  
Website: http://www.uni-stuttgart.de/infotech/  
Prerequisites: Applicants typically have a qualifying Bachelor degree in fields like computer science, computer engineering, communications, electrical and electronics engineering or automation (of a regular study time of 4-years), TOEFL-Test
English Master Courses at University of Stuttgart

**Infrastructure Planning**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 500EUR/semester  
**Website:** [http://www.uni-stuttgart.de/zip/](http://www.uni-stuttgart.de/zip/)  
**Prerequisites:** bachelor’s degree or equivalent in civil engineering, architecture or urban planning; three years of relevant professional experience, proof of English language proficiency

**Physics**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 500EUR/semester  
**Website:** [http://www.msc.physics.uni-stuttgart.de](http://www.msc.physics.uni-stuttgart.de)  
**Prerequisites:** a qualifying Bachelor Degree in Physics; proof of English language proficiency

**Water Resources Engineering and Management (WAREM)**

**Start:** October  
**Duration:** 4 semesters  
**Fees:** 500EUR/semester  
**Website:** [http://www.iws.uni-stuttgart.de/WAREM/index.html](http://www.iws.uni-stuttgart.de/WAREM/index.html)  
**Prerequisites:** Bachelor of Science in Engineering or Natural Sciences or equivalent; proof of English language proficiency; Educational and/or professional background in water related subjects