

Faculty:
Engineering



Site:
Campus Karthause

| | | | | | | | | | | | | | | | | | | | | |
|--|---|--|----------------------------|----------------------------|--------------------------------|--------------------------------|--|------------------------------|--|-------------------------------------|--------------------|-------------------------------------|--|----------------------------------|--------------|-----------------------------------|--|-----------------------------------|---|--|
| Degree Title: Mechanical Engineering | | | | | | | | | | | | | | | | | | | | |
| Academic Title: Master of Engineering (M.Eng.) | Prerequisites for Admission: <ul style="list-style-type: none"> • Bachelor Degree or German <i>Diplom</i> in Mechanical Engineering • Min. average grade of 2.5 (British: '2:1') | | | | | | | | | | | | | | | | | | | |
| Aim of the Course: The aim of the Master Degree is to continue the students' education based on their first professional qualification to prepare them extensively for managerial positions in mechanical engineering; the course design is very much geared towards practising this profession. Apart from these skills, a large part of this course will incorporate methodical and academic components. Organisational and conceptual subjects, such as communication, staff management and management skills will round off the curriculum. | | | | | | | | | | | | | | | | | | | | |
| Structure of the Course/Curriculum: | | | | | | | | | | | | | | | | | | | | |
| „Master of Engineering“ Mechanical Engineering | | | | | | | | | | | | | | | | | | | | |
| 1. Semester | 2. Semester | | | | | | | | | | | | | | | | | | | |
| 3. Semester | 4. Semester | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>Höhere und numerische Mathematik (6c)</td><td>Innovationsmanagement (6c)</td><td>E-Business (8c)</td><td rowspan="6" style="background-color: #003366; color: white; text-align: center; vertical-align: middle;">Master-Thesis (30c)</td></tr> <tr><td>Wirtschaftswissenschaften (4c)</td><td>Wirtschaftswissenschaften (4c)</td><td>Computational Fluid- and Thermodynamics (4c)</td></tr> <tr><td>Computational Mechanics (8c)</td><td>Computational Fluid- and Thermodynamics (4c)</td><td>Energiemanagement und -wandler (2c)</td></tr> <tr><td>Projektarbeit (8c)</td><td>Energiemanagement und -wandler (6c)</td><td>Modellbildung u. Simulation tech. Systeme und Komponenten (8c)</td></tr> <tr><td>Innovative Werkstofftechnik (4c)</td><td>Aktoren (6c)</td><td>Technische Wahlpflichtmodule (4c)</td></tr> <tr><td></td><td>Technische Wahlpflichtmodule (4c)</td><td>Nichttechnisches Wahlpflichtmodule (4c)</td></tr> </table> | Höhere und numerische Mathematik (6c) | Innovationsmanagement (6c) | E-Business (8c) | Master-Thesis (30c) | Wirtschaftswissenschaften (4c) | Wirtschaftswissenschaften (4c) | Computational Fluid- and Thermodynamics (4c) | Computational Mechanics (8c) | Computational Fluid- and Thermodynamics (4c) | Energiemanagement und -wandler (2c) | Projektarbeit (8c) | Energiemanagement und -wandler (6c) | Modellbildung u. Simulation tech. Systeme und Komponenten (8c) | Innovative Werkstofftechnik (4c) | Aktoren (6c) | Technische Wahlpflichtmodule (4c) | | Technische Wahlpflichtmodule (4c) | Nichttechnisches Wahlpflichtmodule (4c) | |
| Höhere und numerische Mathematik (6c) | Innovationsmanagement (6c) | E-Business (8c) | Master-Thesis (30c) | | | | | | | | | | | | | | | | | |
| Wirtschaftswissenschaften (4c) | Wirtschaftswissenschaften (4c) | Computational Fluid- and Thermodynamics (4c) | | | | | | | | | | | | | | | | | | |
| Computational Mechanics (8c) | Computational Fluid- and Thermodynamics (4c) | Energiemanagement und -wandler (2c) | | | | | | | | | | | | | | | | | | |
| Projektarbeit (8c) | Energiemanagement und -wandler (6c) | Modellbildung u. Simulation tech. Systeme und Komponenten (8c) | | | | | | | | | | | | | | | | | | |
| Innovative Werkstofftechnik (4c) | Aktoren (6c) | Technische Wahlpflichtmodule (4c) | | | | | | | | | | | | | | | | | | |
| | Technische Wahlpflichtmodule (4c) | Nichttechnisches Wahlpflichtmodule (4c) | | | | | | | | | | | | | | | | | | |
| ‘Master of Engineering’ in Mechanical Engineering | | | | | | | | | | | | | | | | | | | | |
| <p>Semester 1 Higher & Numerical Mathematics (6c); Economics (4c); Computational Mechanics (8c); Degree Project (8c); Innovative Materials</p> <p>Semester 2 Innovation Management (6c); Economics (4c); Computational Fluid & Thermodynamics (4c); Energy Management & Converters (6c); Actuators (6c); Technical, Elective Module (4c)</p> <p>Semester 3 E-Business (8c) ; Computational Fluid & Thermodynamics (4c); Energy Management & Converters (2c); Models & Simulation of Technical Systems & Components (8c); Technical, Elective Module (4c); Non-Technical, Elective Module (4c)</p> <p>Semester 4 Master Thesis (30c)</p> | | | | | | | | | | | | | | | | | | | | |
| Employability/Professional Activities: Graduates of this course will have the skills to take on managerial positions in mechanical engineering and business. | | | | | | | | | | | | | | | | | | | | |
| Final Examination/Examination Regulations: <ul style="list-style-type: none"> • Legal basis: regulations governing the examination on the M.Eng. Mechanical | Additional Information <ul style="list-style-type: none"> • Modular, accredited degree course • Eligibility for entrance to senior level in the | | | | | | | | | | | | | | | | | | | |

| | |
|---|---|
| <p>Engineering Degree</p> <ul style="list-style-type: none">• Module examinations, thesis & Viva | <p>civil service</p> <ul style="list-style-type: none">• Further information can be found at www.fh-koblenz.de/maschinenbau/ |
| <p>Admission to Postgraduate Studies</p> <p>Successful completion of the Master's Degree qualifies a student for acceptance onto a PhD.</p> | |
| <p>The Faculty's ECTS-/International Student Advisor</p> <p>Prof. Dr. Andreas Kurz, e-mail: kurz@fh-koblenz.de</p> | |