

**Faculty:**  
Engineering



**Site:**  
Campus Karthause

University of Applied Sciences

<b>Degree Title:</b> Systems Engineering																			
<b>Academic Title:</b> Master of Engineering (M.Eng.)	<b>Prerequisites for Admission:</b> <ul style="list-style-type: none"> <li>Completed Bachelor Degree or German <i>Diplom</i> majoring in electrical engineering, information technology, mechatronics or related specialist subjects</li> <li>Overall mark of at least 'good' (Brit: 2:1)</li> </ul>																		
<b>Aim of the Course:</b> On the Master Degree, students will be taught academic and practical skills required for research and development and other activities in the area of electrical engineering or information technology. Students on this course will discuss issues on an abstract and formal level and develop their constructive problem-solving skills. In the process, particular significance will be attached to a theoretical foundation, consolidation in the specialised areas and the execution of demanding projects. The main focus will be in the areas of electrical engineering, information technology and mechatronics.																			
<b>Structure of the Course/Curriculum:</b>																			
<p><b>„Master of Engineering“ Systemtechnik</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">1. Semester</th> <th style="width: 33%;">2. Semester</th> <th style="width: 33%;">3. Semester</th> </tr> </thead> <tbody> <tr> <td>Ausgewählte Kapitel der Mathematik (5c)</td> <td>Ausgewählte Kapitel der Elektrotechnik (5c)</td> <td rowspan="7" style="background-color: #000080; color: white; text-align: center; vertical-align: middle;"> <b>Master-Thesis</b> (30c)                 </td> </tr> <tr> <td>Softwaretechnik II (5c)</td> <td>Systemtheorie und Regelungstechnik (5c)</td> </tr> <tr> <td>Fremdsprache (5c)</td> <td>Digitale Signalverarbeitung II (5c)</td> </tr> <tr> <td>Unternehmensführung (5c)</td> <td>Nichttechnisches Wahlpflichtmodul I (2,5c)</td> </tr> <tr> <td>Technisches Modul I (5c)</td> <td>Nichttechnisches Wahlpflichtmodul II (2,5c)</td> </tr> <tr> <td>Technisches Modul II (5c)</td> <td>Technische Wahlpflichtmodul III (5c)</td> </tr> <tr> <td></td> <td>Technische Wahlpflichtmodul IV (5c)</td> </tr> </tbody> </table>		1. Semester	2. Semester	3. Semester	Ausgewählte Kapitel der Mathematik (5c)	Ausgewählte Kapitel der Elektrotechnik (5c)	<b>Master-Thesis</b> (30c)	Softwaretechnik II (5c)	Systemtheorie und Regelungstechnik (5c)	Fremdsprache (5c)	Digitale Signalverarbeitung II (5c)	Unternehmensführung (5c)	Nichttechnisches Wahlpflichtmodul I (2,5c)	Technisches Modul I (5c)	Nichttechnisches Wahlpflichtmodul II (2,5c)	Technisches Modul II (5c)	Technische Wahlpflichtmodul III (5c)		Technische Wahlpflichtmodul IV (5c)
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<p><b>‘Master of Engineering’ in Systems Engineering</b></p> <p><b>Semester 1</b> Selected Chapters of Mathematics (5c); Software Engineering II (5c); Foreign Language (5c); Business Management (5c); Technical Module I (5c); Technical Module II (5c)</p> <p><b>Semester 2</b> Selected Chapters of Electrical Engineering (5c); Systems Theory &amp; Control Engineering (5c); Digital Signal Processing II (5c); Non-Technical Elective Module I (2.5c); Non-Technical Elective Module II (2.5c); Technical Elective Module III (5c); Technical Elective Module IV (5c)</p> <p><b>Semester 3</b> <b>Master Thesis</b> (30c)</p>																			
<b>Employability/Professional Activities:</b> The successful completion of this course will result in the graduates' professional opportunities in electrical engineering, information technology and mechatronics being increased; furthermore, the door will be opened to further managerial positions in the industry. In addition to this, graduates will qualify to enter the senior civil service and be accepted onto a PhD.																			

<b>Final Examination/Examination Regulations:</b>		<b>Additional Information</b>	
<ul style="list-style-type: none"><li>• Legal basis: regulations governing the examination on the Master of Engineering in System Engineering degree</li><li>• Module examinations, thesis and Viva</li></ul>		<ul style="list-style-type: none"><li>• Modular</li><li>• Accredited degree course</li><li>• Eligibility for entrance to the senior level of the civil service</li></ul>	
<b>Admission to Further Postgraduate Studies</b>			
Successful completion of the Master's Degree qualifies a student for acceptance onto a PhD.			
<b>The Faculty's ECTS-/International Student Advisor</b>			
Prof. Dr. Andreas Kurz, e-mail: <a href="mailto:kurz@fh-koblenz.de">kurz@fh-koblenz.de</a>			