Master of Science in Embedded Systems Engineering
Examination regulations version 2012
example for study plan sorted by modules

<table>
<thead>
<tr>
<th>Sem</th>
<th>modules/courses</th>
<th>type of course</th>
<th>PL</th>
<th>SL</th>
<th>hours/week</th>
<th>ECTS</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 / 2</td>
<td>algorithms theory (winter)</td>
<td>key course</td>
<td>PL</td>
<td>3</td>
<td>1</td>
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<td>1 / 2</td>
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<td>specialization course</td>
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Elective area

Please consider the regulations

<table>
<thead>
<tr>
<th>Concentrations areas</th>
<th>mind. 30</th>
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</thead>
</table>

Circuits and Systems - Moduls
- Concentrations
- PL | x | x | x | 3,5,6

Design und Simulation - Moduls
- Concentrations
- PL | x | x | x | 3,5,6

Sensors and Actuators - Moduls
- Concentrations
- PL | x | x | x | 3,5,6

Reliable Embedded Systems - Moduls
- specialization course, lab course, seminar
- PL | x | x | x | 4,6

Distributed Systems - Moduls
- specialization course, lab course, seminar
- PL | x | x | x | 4,6

Robotics and Computer Vision - Moduls
- specialization course, lab course, seminar
- PL | x | x | x | 4,6

legend:
PL = graded assessment, SL = pass/fail assessment, L = Lecture, E = Exercises, S = Seminar, Pr = Project or Lab course
X = unknown/depends on subject
Faculty of Engineering  
University of Freiburg

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<tr>
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<th>PL SL</th>
<th>hours/week</th>
<th>ECTS</th>
<th>total</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Personal Profile - area</td>
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<tr>
<td>1 to 4</td>
<td>Personal Profile - Module</td>
<td>Concentrations, specialization course, lab course, seminar</td>
<td>PL x x x</td>
<td>3,4,5,6</td>
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<table>
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<tr>
<th></th>
<th>Mastermodul</th>
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<th>PL SL</th>
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<td>Masterseminar</td>
<td>Präsentation</td>
<td>SL 0 0 2 0</td>
<td>3</td>
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</table>

* REGULATIONS:*

In the mandatory area you have to select 1 key course.
You can either choose a 2. key course or a specialization course.

The elective area is divided into the areas Concentrations and Personal Profile.
In total you have to acquire at least 51 ECTS credits.

In the concentrations areas you have to choose one specific area in each group:

**Group 1:**
- Circuits and Systems
- Design and Simulation
- Sensors and Actors

**Group 2:**
- Reliable Embedded Systems
- Distributed Systems
- Robotics and Computer Vision

You have to select courses amounting to at least 15 ECTS credits in each of the two groups.
You are allowed to take only 2 seminars in total.

In the Personal Profile you have to select courses amounting to at least 15 ECTS credits.

**legend:**
PL = graded assessment, SL= pass/fail assessment, L=Lecture, E=Exercises, S=Seminar, Pr=Project or Lab course
X=unknown/depends on subject