# Mechatronics | Dual Study Programme - Integrating Vocational Training

## “Bachelor of Engineering”

### Module Plan | Course of Studies

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
<th>Semester 4</th>
<th>Semester 5</th>
<th>Semester 6</th>
<th>Semester 7</th>
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</thead>
<tbody>
<tr>
<td>Company-based training, including vocational school/IHK part 1 (Chamber of Industry and Commerce)</td>
<td>Company-based training/1 day per week during the semester</td>
<td>Electrical Engineering</td>
<td>Company-based training including preparation for the final IHK examination/IHK Part 2 (Chamber of Industry and Commerce) – subsequently: practical experience</td>
<td>Mechatronics Systems II</td>
<td>Project Work including Project Seminar</td>
<td>Bachelor Thesis including Bachelor Seminar</td>
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<tr>
<td>CP 9</td>
<td>CP 9</td>
<td>CP 10</td>
<td>CP 15</td>
<td>CP 12</td>
<td>CP 12</td>
<td>CP 14 (12+2)</td>
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<tr>
<td>CP 9</td>
<td>CP 9</td>
<td>CP 6</td>
<td>CP 6</td>
<td>CP 7</td>
<td>CP 8</td>
<td>CP 10</td>
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<tr>
<td>Personal Skills and Competencies I</td>
<td>CP 6</td>
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**Personal Skills and Competencies**

- **I**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

- **II**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

- **III**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

**Major Fields of Study**

- **I**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

- **II**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

- **III**
  - Heating Systems Engineering
  - Systems Design Engineering
  - Global Production Engineering

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