BACHELOR PROGRAM APPLIED PHYSICS

YEAR 1

QUARTER 1

Course 1

2WCBØ Calculus

Course 2

3A1XØ Experimental physics 1

Course 3

3AKXØ Variables, dimensions, and dynamics

QUARTER 2

Course 1

3NBBØ Applied physical sciences

Course 2

3A2XØ Experimental physics 2

Course 3

Elective

QUARTER 3

Course 1

2IABØ Data engineering

Course 2

2DBNØØ Linear algebra

Course 3

3AMXØ Mechanics

QUARTER 4

Course 1

ØSABØ Ethics and History of Technology

Course 2

3AEXØ Electromagnetism

Course 3

Elective

Major Applied physics: 95 ECTS (incl. professional skills)

Course code: see OASE

Ø is number zero / O is letter

Each course covers 5 ECTS
## Bachelor Program: Applied Physics

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Quarter 1</th>
<th>Quarter 2</th>
<th>Quarter 3</th>
<th>Quarter 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course 1</td>
<td>Engineering design</td>
<td>Optics</td>
<td>Introduction quantum physics</td>
<td>Thermal physics</td>
</tr>
<tr>
<td>Course 2</td>
<td>Advanced calculus</td>
<td>Elements of mathematical physics</td>
<td>DOE signals and systems</td>
<td>Experimental physics 3</td>
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<tr>
<td>Course 3</td>
<td>Elective/USE</td>
<td>Elective/USE</td>
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</tbody>
</table>

- **Basic Courses**
- **Mathematics Courses**
- **Physics Courses**
- **Experimental Courses/Internship**
- **Electives/USE (User, Society, Enterprise)**

**Major Applied Physics: 95 ECTS** (incl. professional skills)

*Each course covers 5 ECTS*
**Bachelor Program: Applied Physics**

<table>
<thead>
<tr>
<th>Year</th>
<th>Quarter 1</th>
<th>Quarter 2</th>
<th>Quarter 3</th>
<th>Quarter 4</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>3CTXØ: <strong>Physics of transport phenomena</strong></td>
<td>3CGXØ: <strong>Condensed matter</strong></td>
<td>Elective/USE</td>
<td>Elective/USE</td>
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<tr>
<td></td>
<td>3CQXØ: <strong>Applied quantum physics</strong></td>
<td>3CFXØ: <strong>Physics in perspective</strong></td>
<td>Elective/USE</td>
<td>Final bachelor project</td>
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- **Basic courses**
- **Mathematics courses**
- **Physics courses**
- **Experimental courses/internship**
- **Electives/USE (User, Society, Enterprise)**

**Total ECTS:** 95 (incl. professional skills)

Half of the Final bachelor project can be exchanged with an elective in quarter 3.

Each course covers 5 ECTS.