Recommended study timetables

On this page you will find the recommended study schedules of the programme (academic year 2017-2018). All the files are in pdf format. See study tracks here.

Control, Robotics and Autonomous Systems

Compulsory courses

Control, Robotics and Autonomous Systems, compulsory courses

1st year, fall term

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>ECTS</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC-E8104</td>
<td>Stochastic models and estimation</td>
<td>5</td>
<td>I</td>
</tr>
<tr>
<td>ELEC-E8001</td>
<td>Embedded real-time systems</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8101</td>
<td>Digital and optimal control</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8102</td>
<td>Distributed and intelligent automation systems</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8103</td>
<td>Modelling, estimation and dynamic systems</td>
<td>5</td>
<td>II</td>
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1st year, spring term

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>ECTS</th>
<th>Period</th>
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</thead>
<tbody>
<tr>
<td>ELEC-E8004</td>
<td>Project work</td>
<td>10</td>
<td>III-IV</td>
</tr>
</tbody>
</table>

Study tracks

Study tracks are given as guidelines but students can alternatively choose courses from the list of optional courses.

Automation Software Engineering

Automation Software Engineering, year 1
Automation Software Engineering, year 2

Control Theory / Engineering

Control Theory / Engineering, 1. year
Control Theory / Engineering, 2. year

Factory Automation

Factory Automation, year 1
Factory Automation, year 2

Robotics and Autonomous Systems

Robotics and Autonomous Systems, year 1
Robotics and Autonomous Systems, year 2

Smart Systems

Smart Systems, year 1
Smart Systems, year 2

Electrical Power and Energy Engineering

Compulsory courses
Electrical Power and Energy Engineering, compulsory courses

### 1st year, fall term

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ELEC-E8405</td>
<td>Electric drives</td>
<td>5</td>
<td>I-II</td>
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<tr>
<td>ELEC-E8407</td>
<td>Electromechanics</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8001</td>
<td>Embedded real-time systems</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8412</td>
<td>Power electronics</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8413</td>
<td>Power systems</td>
<td>5</td>
<td>I-II</td>
</tr>
<tr>
<td>ELEC-E8700</td>
<td>Principles and fundamentals of lighting</td>
<td>5</td>
<td>I-II</td>
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</table>

### 1st year, spring term

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<tr>
<td>ELEC-E8004</td>
<td>Project work</td>
<td>10</td>
<td>III-V</td>
</tr>
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**Study tracks**

Study tracks are given as guidelines but students can alternatively choose courses from the list of optional courses.

- **Electromechanics**
  - Electromechanics, year 1
  - Electromechanics, year 2

- **Illumination Engineering and Electrical Building Services**
  - Illumination Engineering and Electrical Building Services, year 1
  - Illumination Engineering and Electrical Building Services, year 2

- **Power-Electronic Systems**
  - Power-Electronic Systems, year 1
  - Power-Electronic Systems, year 2

- **Power Systems and High Voltage Engineering**
  - Power Systems and High Voltage Engineering, year 1
  - Power Systems and High Voltage Engineering, year 2

- **Sustainable Electrical Energy**
  - Sustainable Electrical Energy, year 1
  - Sustainable Electrical Energy, year 2

- **Translational Engineering**

**Compulsory courses**

Translational Engineering, compulsory courses

### 1st year, fall term

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</thead>
<tbody>
<tr>
<td>ELEC-E8712</td>
<td>Design for reliability</td>
<td>5</td>
<td>I-II</td>
</tr>
</tbody>
</table>
Study tracks

Study tracks are given as guidelines but students can alternatively choose courses from the list of optional courses.

- **Health and Wellbeing**
  - Health and Wellbeing, year 1
  - Health and Wellbeing, year 2

- **Measurement Science and Technology**
  - Measurement Science and Technology, year 1
  - Measurement Science and Technology, year 2

- **Smart Living Environment**
  - Smart Living Environment, year 1
  - Smart Living Environment, year 2

- **Smart System Integration**
  - Smart System Integration, year 1
  - Smart System Integration, year 2