

# Study programme Bachelor of Science in Physics: Major 120 ECTS

|                      |                                      |  |   |  |                                   |                             |
|----------------------|--------------------------------------|--|---|--|-----------------------------------|-----------------------------|
| 1***<br>Fall<br>(31) | (General) Physics I<br>PHY111 8 ECTS | Physics I<br>Addendum<br>PHY110 2 ECTS | Physics<br>Laboratory Work I<br>PHY112 3 ECTS |  | Linear Algebra I<br>MAT111 9 ECTS | Analysis I<br>MAT121 9 ECTS |
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## Semester Break

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| 2<br>Spring<br>(29) | (General) Physics II<br>PHY121 8 ECTS | Physics II<br>Addendum<br>PHY120 2 ECTS | Physics<br>Laboratory Work II<br>PHY122 4 ECTS | Informatics for<br>Physics Majors<br>PHY124 5 ECTS | Lin. Algebra II for<br>Physics Majors<br>MAT142 2 ECTS | Analysis II for<br>Physics Majors<br>MAT132 8 ECTS |
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| 3<br>Fall<br>(27) | (Modern) Physics III<br>PHY131 8 ECTS | Data Analysis I<br>PHY231 3 ECTS |  | Mathematical Methods<br>in Physics<br>PHY312 8 ECTS | Mechanics<br>PHY311 8 ECTS | Minor Study<br>Programme<br>(60 ECTS) |
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| 4<br>Spring<br>(13) | (Modern) Physics IV<br>PHY141 5 ECTS |  | Mathematical Methods<br>in Physics II (CEM)*<br>PHY322 8 ECTS | Elektrodynamics<br>(CEM)*<br>PHY321 8 ECTS |  | Minor Study<br>Programme<br>(60 ECTS) |
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| 5<br>Fall<br>(0) | Solid State Physics<br>(CEM)*<br>PHY210 5 ECTS |  | Nuclear and Particle<br>Physics I (CEM)*<br>PHY211 5 ECTS |  | Quantum Mechanics I<br>(CEM)*<br>PHY331 8 ECTS | Minor Study<br>Programme<br>(60 ECTS) |
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| 6<br>Spring<br>(8) | Bachelor Work<br>PHY398<br>8 ECTS |  | Proseminar Experimental<br>Physics (CEM)**<br>PHY291 2 ECTS |  | Proseminar Theoretical<br>Physics (CEM)**<br>PHY391 2 ECTS | Minor Study<br>Programme<br>(60 ECTS) |
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\* = Core elective modules (CEM): module block.

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\*\*\*= Semester, fall/spring term, (ECTS) ECTS in this semester in compulsory modules.