M.Sc.-Particle Accelerator Science programme Winter Semester Start

<table>
<tr><th>1. semester</th><th>CP
30</th><th>2. semester</th><th>CP
30</th><th>3. semester</th><th>CP
30</th><th>4.semester</th><th>CP
30</th><th>Total 120 CP</th></tr>
<tr><td colspan="4">COMPULSORY ELECTIVE AREA</td><td colspan="4">Research phase</td></tr>
<tr><td>Introduction to Particle Accelerator Science: Systems and Applications (in Ffm)</td><td>6 CP FP g</td><td>Introduction to Particle Accelerator Science: Particle Dynamics and Fields (in DA)</td><td>6 CP FP g</td><td rowspan="5">Practical Introduction to Scientific Research</td><td rowspan="5">FP 15 CP g</td><td rowspan="8">Master-Thesis and Presentation</td><td rowspan="8">FP 30 CP g</td><td></td></tr>
<tr><td>Introduction to Particle Accelerator Science: Specific catalogue (in MZ)</td><td>6CP FP g</td><td></td><td></td><td></td></tr>
<tr><td>Seminar (in MZ)</td><td>5 CP FP g</td><td>Seminar (in Ffm)</td><td>5 CP FP g</td><td></td></tr>
<tr><td></td><td></td><td>Seminar (in DA)</td><td>5 CP FP g</td><td></td></tr>
<tr><td>Practical Research course (in MZ)</td><td>5 CP FP g</td><td>Research Lab Course (in Ffm)</td><td>5 CP FP g</td><td></td></tr>
<tr><td></td><td></td><td colspan="2">Specific practical courses (in DA)</td><td>5 CP FP g</td><td></td></tr>
<tr><td colspan="6">IN-DEPTH COMPULSORY ELECTIVES</td><td></td></tr>
<tr><td colspan="5">Accelerator Science Elective Area
(Course selection from a specific range of courses offered at the Universities of Darmstadt, Frankfurt, and Mainz)</td><td>FP or SL
15-21 CP
(g or u)</td><td></td></tr>
<tr><td colspan="5">Studium Generale
(Course selection from a specific range of courses offered at the Universities of Darmstadt, Frankfurt, and Mainz)</td><td>FP or SL
6-12 CP
(g or u)</td><td></td></tr>
</table>

FP: Fachprüfung (at maximum 3 examination attempts allowed) **SL: Studienleistung (Unlimited repeatable)**

g = graded, u = ungraded

MZ = Mainz, Ffm = Frankfurt, DA = Darmstadt