The degree programme consists of 120 Credit Points (CP) in total:

- **Mandatory Subject Area:** 17 CP
- **Elective Subject Area:** 28 CP
- **Interdisciplinary Elective Area:** 15 CP
- **Research/Thesis:** 60 CP  - including Practical Introduction: 30 CP

The following *module overview* is an abbreviated, easy-to-read version of the *official course schedule* in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

<table>
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<th>1st semester</th>
<th>2nd semester</th>
<th>3rd semester</th>
<th>4th semester</th>
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<tr>
<td>Seminar Theoretical Physics (5 CP)</td>
<td>Seminar Experimental Physics (5 CP)</td>
<td>Research Area: Practical Introduction to Scientific Research (30 CP)</td>
<td>Research Area: Master Thesis and Oral Presentation of Master Thesis (27+3 CP)</td>
</tr>
<tr>
<td>Advanced Theoretical Physics: Advanced Quantum Mechanics or Complex Dynamical Systems (7 CP)</td>
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</table>
| Specialisation (28 CP)  
1 out of 5 | | |

- Modern Optics
- Nuclear Physics and Nuclear Astrophysics
- High Energy Density in Matter
- Physics of Condensed Matter
- Physics and Technology of Accelerators
- or Individual Specialisation*  

- **Interdisciplinary Elective Area (15 CP)**
- General Studies: Catalogue of All Modules of the Other Departments (not Physics) of TU Darmstadt (10-15 CP)
- Elective Area Physics (0-5 CP)

* Authorised Examination Plan necessary
The aim of the Master of Science degree programme in Physics is to provide students with the multifaceted expertise and scientific confidence required to solve problems in fundamental and applied research, technology and society. Advanced and specialised lectures and courses from the areas of experimental and theoretical physics and from a supplementary subject outside of physics, preferably from mathematics, natural sciences or applied research, technology and society, will complement the programme. A one-year research phase will complete this broad spectrum.

For information on application deadlines, please refer to www.physik.tu-darmstadt.de