

Module Overview M. Sc. Physik (6 Semesters)

Degree Programme Guidelines as per 01.10.2015, Version 01.10.2017

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

- ▶ **Mandatory Subject Area:** 17 CP ■
- ▶ **Elective Subject Area:** 28 CP ■
- ▶ **Internship:** 30 CP ■
- ▶ **Non-Physics Supplemental Subject and Interdisciplinary Courses:** 15 CP ■
- ▶ **Master's Thesis:** 30 CP ■



Language of Tuition:
GERMAN
Certificates required

This leads to the following *possible* part-time semester course schedule:

| 1. Semester | 2. Semester | 3. Semester | 4. Semester | 5. Semester | 6. Semester | |
|---|-------------|--|--|-------------|----------------------------|---------|
| Advanced Theoretical Physics: Advanced Quantum Mechanics <i>or</i> Complex Dynamical Systems (7 CP) | | | Internship: Introduction to Scientific Work (30 CP) | | Master's Thesis (30 CP) | |
| Seminar Theoretical Physics (5 CP) | | Seminar Experimental Physics (5 CP) | | | | |
| Non-Physics Supplemental Subject** (9 CP) | | Interdisciplinary Courses*** (6 CP) | | | | |
| Specialisation (1 out of 5)* (28 CP) | | | | | | |
| Ø 20 CP | Ø 20 CP | Ø 20 CP | Ø 20 CP | Ø 20 CP | | Ø 20 CP |

* Choice of: Modern Optics; Nuclear Physics and Nuclear Astrophysics; Matter in the case of High Energy Density; Physics of Condensed Matter; Physics and Technology of Accelerators *or* individual specialisation..
 ** Choice of modules according to „Non-Physics Supplemental Subjects that can be chosen without a request.“
 *** These courses may be chosen from the general TU Darmstadt course catalogue.