Physics (M.Sc.) - Effective 01 October 2022

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

- Nuclear Physics and Nuclear Astrophysics
- High Energy Density in Matter
- or Individual Specialisation*

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

* Authorised Examination Plan necessary

www.physik.tu-darmstadt.de
Physics
Master of Science

Physics (M.Sc.)

The aim of the Master of Science degree program in Physics is to provide students with the multidisciplinary expertise and scientific confidence required to solve problems in fundamental and applied research, technology and society.

Advanced and specialized lectures and courses from the areas of experimental and theoretical physics and from a supplemental subject outside of physics, typically from mathematics, natural sciences or engineering sciences will serve this aim. Students will also be able to choose interdisciplinary courses from the complete TU Darmstadt course catalogue to increase the scope of 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

www.tu-darmstadt.de/studieren

www.tucans.tu-darmstadt.de

www.tu-darmstadt.de/international

www.zsb.tu-darmstadt.de

Zentrale Studienberatung und -orientierung ZSB
(Central Student Advisory and Orientation Office)

Karolinenplatz 5,
64289 Darmstadt
Building S1 | 01
email info@zsb.tu-darmstadt.de

Opening hours: www.zsb.tu-darmstadt.de

Imprint

Publisher
President of TU Darmstadt

Editorial office
Zentrale Studienberatung und -orientierung ZSB