

EXCELLENCE TRACK^θ

An extension program of the M.Sc. in Physics

You completed your Bachelor's degree

- You have achieved excellent grades?
- You are highly interested in research?
- You are looking for an integrated program spanning your M.Sc. studies and your PhD?

Follow the Excellence Track ...

- ... Be part of cutting-edge research projects early-on
- ... Acquire all qualifications you need for a successful PhD
- ... Have the opportunity to apply for a limited number of scholarships

Find a doctorate in your research field

- Explore the wide range of research opportunities
- Discover the variety of scholarships and staff positions offered by our groups and partner institutions
- Benefit from an excellent research infrastructure

Certificate program „Excellence Track“

- Extension of the physics master's program for students interested in research and **intending to do a doctorate**
- Early introduction to research projects and integration into working groups as well as acquisition of additional scientific knowledge and soft skills
- A limited number of students can obtain **financial support**
- Students who successfully complete the Excellence Track will be **considered strong candidates for a doctorate** in one of the research groups (e.g. in the context of Excellence Cluster Prisma⁺ are ca. 100 PhD positions. Every year, the MPA offers several fellowship grants for PhD students).

Key points

Acquisition of **23 additional CP** in addition to the regular Master's program:

(1) Research-related scientific competence (min. 14 CP)

- e.g. In-depth chapters of subatomic physics *6 CP*
- Selected chapters of solid state physics *6 CP*
- Quantum optics *6 CP*
- Project internship *5 CP*

(2) Complementary and Transferable Skills (min. 6 CP)

- e.g. Speak your Science *3 CP*
- DPG Spring Conferences *3 CP (participation + presentation)*
- Presentation Skills *1 CP*
- Intercultural Communication *1 CP*

Qualification goals are to be achieved within the regular Master's program

Key points

Requirements

Completion of a Bachelor's degree, preferably within the standard period of study; should rank among the top 15% of graduates of the bachelor's program

Application

Before the start of the second regular semester of M.Sc. Physics

Selection process

Selection committee screens applications and conducts interviews;

Criteria: Academic performance, international and/or extra curricular experience

Certificate

Certification of additional coursework and qualifications

Scholarships

Limited number of scholarships (€861 per month) over a period of two years

Members of the Excellence Track

Number of current members: **15**

Start summer semester 2021: **4**

Start winter semester 2021: **5**

Start summer semester 2022: **2**

Start winter semester 2022: **4**

10 members of the Excellence Track have **completed their Bachelor of Science abroad** (in Australia, China, Greece, India, Peru, Philippines, and USA).