

MASTER OF SCIENCE PHYSIK – RECOMMENDED STUDY PLAN

	1. Semester	2. Semester	3. Semester	4. Semester	
Study Phase	Elective courses in physics (core modules)* Choose 2 out of 9 20 ECTS				60
	Advanced Seminar** PAFMP007 5 ECTS				
	Open elective courses*** 35 ECTS				
Research Phase			Project Planning for Master's Thesis PAFMP092 15 ECTS	Research Methods PAFMP093 15 ECTS	60
			Master's Thesis PAFMP098 30 ECTS		
ECTS	30	30	30	30	120

- Compulsory module
- Required elective module

* Modules: Quantum Field Theory, General Relativity, Advanced Solid-State Theory, Advanced Experimental Solid-State Physics, Quantum Optics Theory, Laser Physics, Physics of Planetary Systems, Stellar Physics, Research Lab

** Advanced seminar with various focal points: Astronomy/astrophysics, gravitational and quantum theory, solid state physics, optics

*** It is recommended to align the modules of the open elective courses with the specialization of the research phase. However, up to 15 ECTS credits may be selected from the entire range of courses offered by the University of Jena. A module from the area of general key qualifications (ASQ) worth 5 ECTS credits is strongly recommended. This phase spans two semesters and allows for flexible combination.