

Matrikelnummer / Student ID Number

Studienkennzahl / Degree program number

UK	066	461	
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ANSUCHEN UM ZULASSUNG ZUR MASTERPRÜFUNG IM MASTERSTUDIUM PHYSICS

APPLICATION FOR ADMISSION TO THE MASTER'S EXAMINATION IN THE MASTER'S PROGRAM IN PHYSICS
(1.10.2023 - updated 1.10.2024)

Vor- und Familienname / First and Family name	
Telefonnummer / Phone number	
E-Mail	

Prüfungssenat der Masterprüfung / Members of the examination senate

Vorsitzende*r und 1. Prüfer*in / Chair of the Examination Senate and 1. Examiner	
	Name in Blockbuchstaben / Name Unterschrift / Signature
	Präsentation und Verteidigung der Masterarbeit / Presentation and Defense of the Master's Thesis

2. Prüfer*in / 2. Examiner	
	Name in Blockbuchstaben / Name Unterschrift / Signature
	Theoretische Physik / Theoretical Physics

3. Prüfer*in / 3. Examiner	
	Name in Blockbuchstaben / Name Unterschrift / Signature
	Experimentelle Physik / Experimental Physics

Unterschrift Befürwortung Studienpräses / Endorsement by Study President	
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Termin / Date	Uhrzeit / Time	Prüfungsort / Place of Examination
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Linz, am / on _____

Unterschrift Antragsteller*in / Student signature	
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genehmigt / nicht genehmigt

Linz, am _____

Unterschrift Vizerektor*in für Lehre und Studierende	
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Major Field of Studies

One or two **Major Fields of Studies** have to be completed - A total of **63 ECTS** must be completed within the subjects **Major Fields of Studies** and **General and Elective Subjects**

Condensed Matter Physics

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Advanced Solid State Physics	461CMCSASPU23	UE	1,5		
	461CMCSASPV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2U23	UE	1,5		
	461QPCSQM2V23	VL	3		
Core Elective Subjects			6-15		
Advanced Semiconductor Physics	461CCESASPV23	VL	3		
Crystal Growth and Epitaxy	461CCESCGEV23	VL	3		
Surface Science II	461CCESSS2V23	VL	3		
Statistical Physics II	461BCOSSP2V23	VL	3		
Theory of Condensed Matter	461QCESTCMV23	VL	3		
Additional Elective Subjects			3-27		
Total Grade	5-1		21-45		

Quantum Physics and Photonics

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Photonics	461QPCSPHTU23	UE	1,5		
	461QPCSPHTV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2U23	UE	1,5		
	461QPCSQM2V23	VL	3		

Core Elective Subjects			6-15		
Laser Physics	461QCESLPHV23	VL	3		
Quantum Electronics and Optics	461QCESQEOV23	VL	3		
Quantum Computation and Communication	461QCESQCCV23	VL	3		
Theory of Condensed Matter	461QCESTCMV23	VL	3		
Theory of Quantum Dynamics	461QCESTQDV23	VL	3		
Additional Elective Subjects			3-27		
Total Grade	5-2		21-45		

Bioinspired and Complex Matter

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Physics of Soft and Complex Matter	461BCOSPSCU23	UE	1,5		
	461BCOSPSCV23	VL	3		
Statistical Physics II	461BMASSP2U23	UE	1,5		
	461BCOSSP2V23	VL	3		
Core Elective Subjects			6-15		
Charakterisierung von Bionanostrukturen	665MBBTCBNV24	VL	3		
Theoretische Biophysik I	TPMPBVOTBI1	VL	3		
Bioinspired and Polymeric Materials	461CCESBPMV23	VL	3		
Smart Materials	461CCESSMAV23	VL	3		
Theoretical Quantum Chemistry	461CCESTQCV23	VL	3		
Additional Elective Subjects			3-27		

Total Grade	5-3		21-45		

Nanomaterials and Technology

Course	Code	Type	ECTS	Date	Grade
Core Subjects			9		
Advanced Solid State Physics	461CMCSASPU23	UE	1,5		
	461CMCSASPV23	VL	3		
Physics of Low Dimensional Systems	461NCOSPLDU23	UE	1,5		
	461NCOSPLDV23	VL	3		
Core Elective Subjects			6-15		
Analytics of Surfaces and Thin Films	461NCESASTV23	VL	3		
Nano Characterization	461NCESNACV23	VL	3		
Semiconductor Technology	461NCESSTEV23	VL	3		
Self-Assembly of Nano Structures	461NCESSANV23	VL	3		
Theoretical Quantum Mechanics II	461QPCSQM2V23	VL	3		
Additional Elective Subjects			3-27		
Total Grade	5-4		21-45		

General and Elective Subjects

Course	Code	Type	ECTS	Date	Grade
Theoretical Physics			4,5		
Statistical Physics I	461GTPHSPIU23	UE	1,5		
	461GTPHSPIV23	VL	3		

Advanced Practical Courses			4,5		
		PR	0,75		
		PR	0,75		
		PR	0,75		
		PR	0,75		
		PR	0,75		
		PR	0,75		
Computational and Technological Skills			4,5-9		
Advanced Measuring Techniques	461GCTSAMTP23	PR	1,5		
	461GCTSAMTV23	VL	3		
Computational Physics I	461GCTSCPIU23	UE	1,5		
	461GCTSCPIV23	VL	3		
Additional Computational and Technological Skills			0-21		
General Physics			0-18		
Special Topics			0-24		

Physical Seminars			0-3		
Gender Studies			0-3		
Total Grade	10		18-42		

Elective Courses related to the Master's Thesis

Course	Code	Type	ECTS	Date	Grade
		SE	3		
		SE	3		
		PR	9		
Total Grade	15-1 - 15-9		15		

Free electives

Course	Code	Type	ECTS	Date	Grade
Total Grade	20		6		

The Vice-Rector for Academic Affairs