

MASTER OF SCIENCE PROGRAM

The MS program in Physics comprises seven courses with at least 24 credits, a non-credit seminar course, and a Master's thesis. The elective courses are subject to advisor approval and may include at most two upper level undergraduate courses.

1 st Semester				2 nd Semester			
Code	Course	Cr.	ECT S	Code	Course	Cr.	ECT S
PHYS 501	Classical Dynamics	4	10	PHYS 532	Quantum Mechanics II	4	10
PHYS 511	Electromagnetic Theory I	4	10	PHYS 541	Statistical Mechanics I	4	10
PHYS 531	Quantum Mechanics I	4	10	---	Elective	3	7
PHYS 500	Readings in Physics	1	3	PHYS 579	Graduate Seminar	0	3
	Total	13	33		Total	11	30

Code		Cr.	ECT S
PHYS 690	Master Thesis in Physics	0	60

Total: 24 Credits
ECTS: 123

MS Remedial Program

If the candidate's background is not physics, or his/her previous preparation is deemed insufficient, he/she will have to take an additional year of the remedial classes given below, which cover the topics of the third and fourth year physics:

Phys 302 Classical Dynamics II
 Phys 401 Electromagnetic Theory I
 Phys 402 Electromagnetic Theory II
 Phys 411 Quantum Mechanics I
 Phys 412 Quantum Mechanics II
 Phys 421 Statistical Mechanics
 Phys 326 Mathematical Methods in Physics

In order to continue to the regular MS program, the candidate must have passed all the remedial courses and obtained a minimum GPA of 2.5. The candidate can be waived out of the remedial exam if he/she passes the remedial waiver exam.