

Physics Department - Bar-Ilan University - 2022-2023						
MS.c - Physics						
Course number	Course name	Lecture	Exercise	Lab/Seminar	Semester A - points	Semester B - points
86-803	Advanced Quantum Mechanics	2	2		2	
86-821	Advanced Statistical Mechanics	2	2		2	
86-818/846	Methods of Mathematical /Physics Advanced Experimental Techniques	2	2		2	
86-830	Advanced Seminar			2		1
86-9410	Colloquium and Teaching			2	0	0
86-762	Master's Thesis				0	0
Mandatory courses					6	1
Elective courses					6	
				Mandatory and elective courses	13	

Total credits	13
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For your attention:

With a written recommendation of your advisor, one course can be taken from another department in the Faculty of Exact Sciences (Chemistry, Mathematics, Computer Science) or in the Faculty of Engineering and Life Sciences, which will be included in the required 13 credits. In any case, a student will not be able to accumulate more than 1.5 credits outside the Physics Department.

Students who have already taken a mandatory course from the above courses as part of their undergraduate studies, will have to take another course from the list of postgraduate courses in order to reach a total of at least 13 credits.

Each student must take part in a seminar from their field of study in each year of the degree, in addition to the colloquium and teaching (without credits).

In most elective courses there is a difference between the number of frontal hours and the number of credits given. Degree requirements are defined by credits (see course list).

In addition to the above, every student must take an exemption exam in English and basic courses in Judaism - details can be found in the student information booklet or on the university's website.