

1.	School	Science
2.	Department	Physics
3.	Degree title (Arabic)	الدكتوراة في الفيزياء
4.	Degree title (English)	Doctor of Philosophy in Physics

	Specialization #	Degree	Dep #	Faculty #	Year	Track
Plan Number	021	9	02	03	2012	1

First: General Rules & Conditions:

1. This plan conforms to valid regulations of the programs of graduate studies.
2. Specialties of Admission:

- The First Priority: MA in Physics or its equivalent

Second: Special Conditions:

..X.. or None.

Third: Study Plan: Studying (54) Credit Hours as following:

1. Obligatory Courses (21) credit hours:

Course No.	Course Title	Credit Hrs	Theory	Practical	Pre/Co-requisite
0302952	Classical Mechanics-2	3	3	-	-
0332953	Classical Electrodynamics-2	3	3	-	-
0302954	Quantum Mechanics-2	3	3	-	-
0302956	Statistical Mechanics-2	3	3	-	-
0302959	Quantum Mechanics-3	3	3	-	0302954
0332974	Solid State Physics-2	3	3	-	-
0332981	Mathematical Physics-2	3	3	-	-

2. Elective Courses (15) Credit Hours: from the following:

Course No.	Course Title	Credit Hrs	Theory	Practical	Pre/Co-requisite
0332951	Nonlinear Dynamics	3	3	-	-
0302955	Group Theory	3	3	-	-
0302957	Many Body Theory	3	3	-	-
0332958	Quantum Field Theory-1	3	3	-	-
0302962	Atomic and Molecular Physics-2	3	3	-	-
0302963	Nuclear Physics-2	3	3	-	-
0332965	Accelerators Physics	3	3	-	-

0332966	Elementary Particles Physics	3	3	-	-
0302967	Plasma Physics	3	3	-	-
0332971	Semiconductor Physics	3	3	-	-
0302982	Classical Electrodynamics-3	3	3	-	0332953
0302992	Special Topics	3	3	-	-
0301901	Methods in Applied Mathematics	3	3	-	-
0301902	Ordinary Differential Equations	3	3	-	-
0301903	Partial Differential Equations	3	3	-	-
0333941	Applications in Quantum Chemistry	3	3	-	-

3. Pass the qualifying exam (0302998).

4. Thesis: (18) Credit hours (0302999).

*notes

الخطة الدراسية المعتمدة