

رمز النموذج: 0130-F090

نموذج الخطة الدراسية

Study Plan for Program Physics

College	Science
Department/ Program	Physics
Degree	Bachelor

Level (1)

	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
1.	General physics(1)	Phys101T	3	2+2	Department Required	
2.	Calculus(1)	Math101T	3	2+2	College Required	
3.	General Biology	Bio101T	3	2+2	College Required	
4.	General Chemistry(1)	Chem101T	3	2+2	College Required	
5.	English language (1)	ENG 101	3	2+2	Institution Required	

Level (2)

	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
1.	Arabic composition	ARAB101M	2	2	Department Required	
2.	Islamic Culture (1)	ISLS101M	2	2	College Required	
3.	Calculus(II)	Math103T	4	2+3	College Required	MaSc101T
4.	Vibrations and waves	Phys131T	3	3	Department Required	Phys101T
5.	Thermodynamics	Phys141T	3	3	Department Required	Phys101T
6.	English language (1)	ENG102	3	3	College Required	

Level (3)

رمز النموذج: 0130-F090

نموذج الخطة الدراسية

	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
6.	Arabic language skills	ARAB 202M	2	2	College Required	
7.	Classical mechanics (I)	Phys211T	3	2+2	Department Required	MaSc101T Phys101T
8.	Fundamentals of Electromagnetism	Phys221T	3	3	Department Required	Phys101T
9.	Principles of Linear Algebra	Math242T	3	2+2	College Required	MaSc101T
10.	Optics	Phys261T	3	3	Department Required	Phys131T
11.	Physics Lab 1(electricity and mechanics lab)	Phys291T	1	2	Department Required	
12.	Physics Lab 2(optics lab)	Phys292T	1	2	Department Required	
Level (4)						
	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
7.	Islamic Culture (2)	ISLS202M	2	2	Department Institution	
8.	General Statistics	Math 261T	3	2+2	College Required	
9.	Principles of Differential Equations	Math225T	4	3+2	College Required	MaSc103T
10.	Classical Mechanics (II)	Phys212T	3	2+2	Department Required	Phys211T MaSc242T
11.	Electromagnetism(I)	Phys222T	3	3	Department Required	Phys221T
12.	3 Physics Lab (electromagnetism lab)	Phys293T	1	2	Department Required	

رمز النموذج: 0130-F090

نموذج الخطة الدراسية

Level (5)						
	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
13.	Mathematical Physics 1	Phys302T	3	2+2	College Required	Phys211T MaSc225T
14.	Modern Physics	Phys351T	3	3	Department Required	MaSc101T Phys131T
15.	Electronics	Phys323T	3	3	Department Required	Phys101T
16.	Computer applications in physics	Phys303T	3	2+2	College Required	MaSc103T Phys101T
17.	Physics Lab 4 (modern physics lab)	Phys394T	1	2+1	Department Required	
18.	Physics Lab 5 (electronics lab)	Phys395T	1	2	Department Required	
19.	Free Elective(2)		1	2	Department Required	
Level (6)						
	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
13.	Islamic Culture (3)	ISLS303M	2	2	Institution	
14.	Quantum Mechanics(1)	Phys313T	3	2+2	Department	Phys302T Phys351T
15.	Electromagnetism II	Phys324 T	3	3	Department	Phys302T Phys222T
16.	Solid State Physics	Phy371T	3	3	Department	Phys351T Phys323T
17.	Physics Lab 6 (solid state physics lab)	Phys396T	1	2	Department	
18.	Free Elective(3)		2	2	Institution	

رمز النموذج: 0130-F090

نموذج الخطة الدراسية

Level (7)						
	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
20.	Thermal and Statistical Physics	Phys442T	3	2+2	Department	Phys313T Phys141T Phys371T
21.	Atomic & Molecular Spectra	Phys452T	3	3	Department	Phys313T
22.	Nuclear Physics(1)	Phys481T	3	3	Department	Phys313T
23.	Physics Lab 7(atomic & molecular physics lab)	Phys497T	1	2	Department	
24.	Physics Lab 8 (nuclear physics lab)	Phys498T	1	2	Department	Phys313T
25.	Scientific Research Skills	Phys490T	2	2+1	Department	Phys313T
26.	Department Elective(1)		3	2+1	Department	
Level (8)						
	Course Name	Course Code	Credit Hours	Contact Hours	Course Type	Co-Requests:
19.	Islamic Culture	ISLS404M	2	2	Institution	ISLS101M
20.	Plasma Physics	Phys453T	3	2+1	Department	Phys324T
21.	Department Elective(2)		3	3	Department	
22.	Department Elective(3)		3	3	Department	
23.	Department Elective(4)		3	2+1	Department	
24.	Graduation Project	Phys499T	2	2+1	Department	Phys490T