

Student NO

Name

Course No	Course Name	C.H	Prerequisite	Y	S	Notes
First: University Requirements (27 C.H)						
A) Compulsory University Requirements (12 C.H)						
1000100	Military Sciences	3	--			
1002101	Arabic Language(1)	3	0201099			
1002201	English Language(1)	3	0202099			
1002301	Civil Education	3	--			
B) Elective University Requirements (15 C.H): minimum 3 C.H from each group						
Humanity science						
1001201	Islamic Culture and Contemporary Issues	3				
1002102	Arabic Language(2)	3	0201100			
1002302	History of Jordan and Palestine	3				
1002303	Jerusalem: History and Civilization	3				
Social and Economics						
1002304	Introduction to Sociology	3	--			
1004101	Principles of Economics	3				
1005101	Principles of Education	3				
1006101	Principles of Law	3				
1014101	Principles of Communication Science	3				
Technology , Health and Agriculture						
1003301	Principles of Astronomy	3	--			
1003302	Scientific Culture	3	--			
1007010	Principles of Environmental Science	3	--			
Second: Faculty Requirements : 21 C.H						
0301101	Calculus 1	3	--			
0301102	Calculus 2	3	0301101			
0301131	Introduction to Statistics	3	--			
0302101	General Physics 1	3	--			
0302102	General Physics 2	3	0302101			
0306110	Computer Programming (1)	3	--			
0306132	Computer Applications and Internet	3	--			
Third: Department Requirements 75 C.H						
A) Compulsory Department Requirements 63 C.H						
0301201	Calculus 3	3	0301102			
0302111	General Physics Lab (1)	1	0302101 مزامن			
0302112	General Physics Lab (2)	1	0302102 مزامن			
0302201	Mathematical Physics 1	3	0302102			
0302230	Optics	2	0302102			
0302236	Optics Laboratory	1	0302230 مزامن			
0302262	Modern Physics	3	0302102			
0302296	Electronics 1	3	0302102			

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0302297	Electronics Laboratory	1	0302296 مزامن			
0302301	Mathematical Physics 2	3	0302201			
0302320	Theory of Electromagnetism 1	3	0302201 & 0302102			
0302332	Physics of Waves and Vibrations	3	0302101			
0302333	Classical Mechanics	3	0302201			
0302343	Thermodynamics I	3	0302201			
0302355	Computer Applications in Physics 1	3	0302201			
0302360	Quantum Mechanics 1	3	0302201 & 0302262			
0302365	Advanced Physics Laboratory (1)	2	0302201 & 0302262			
0302366	Statistical Physics	3	0302343			
0302420	Theory of Electromagnetism 2	3	0302320			
0302460	Quantum Mechanics 2	3	0302360			
0302463	Nuclear Physics	3	0302360			
0302465	Solid State Physics 1	3	0302360			
0302475	Advanced Physics Laboratory (2)	2	0302262 & 0302463			
0302492	Training	3	--			
0302493	Research Project	2	--			
B) Elective Department Requirements: 12 C.H At Least 6 hours from fourth level						
0301302	Partial differential Equations 1	3	0301203			
0302203	General Physics 3	3	0302102			
0302299	Introduction to Astronomy	3	--			
0302329	Electrical circuits	3	0302102			
0302342	Special Theory of Relativity	3	0302262			
0302356	Computer Applications in Physics 2	3	0302355			
0302372	Introduction to Biomedical Physics	3				
0302373	Prevention of Radiation	3	0302262			
0302382	Radiation Physics	3	0302262			
0302391	Material science	3	--			
0302396	Electronics 2 (Digital Electronics)	3	0302296			
0302431	Laser Physics	3	0302230 & 0302360			
0302432	Physics of Spectroscopy	3	0302360			
0302469	Elementary Particles	3	0302360			
0302472	Atomic and Molecular Physics	3	0302360			
0302473	Physics of Semiconductors	3	0302465			
0302479	Special Topics in Physics	3	--			
0302485	Solid State Physics 2	3	0302465			
Fourth: Supporting Requirements 6 C.H						
0301203	Ordinary differential Equations I	3	0301102			
0301241	Linear Algebra 1	3	--			
Fifth: Free Requirements :3 C.H						