

### Study Plan for B.Ed. in Physics

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours
<b>Semester One (Pre-Major)</b>					<b>Semester Two</b>			
1	ARAB100	Arabic Language I		3	ENGL152	English Language II	ENGL150	3
	ENGL150	English Language I		3	PHYS101/L	General Physics I	MATH116	4
					MATH211	Calculus I	MATH116	4
	COMP101/L	Computer Skills	COMP A/B, Digital Literacy	3	STAT101	Introduction to Statistics		4
	MATH116	Pre-Calculus		4	MNGT100	Entrepreneurship: Creativity and Innovation		3
	HIST150	Islamic Civilization		3				
<b>Semester Total</b>				<b>17</b>	<b>Semester Total</b>			
<b>Semester Three</b>					<b>Semester Four</b>			
2	ENGL155	Communication Skills	ENGL152	3	PHYS204/L	Modern Physics	PHYS150/L	4
	COMP151/L	Introduction to Algorithms	COMP101	4	MATH215	Ordinary Differential Equations	MATH212	3
	MATH212	Calculus II	MATH211	3	ARAB101	Arabic Language II	ARAB100	3
	PHYS150/L	General Physics II	PHYS101L	4	PHYS260/L	Sound and Optics	PHYS101/L	4
	PHYS225	Physics for Teachers	PHYS150	3	PHYS207/L	Thermodynamics	MATH211 PHYS150/L	4
<b>Semester Total</b>				<b>17</b>	<b>Semester Total</b>			
<b>Semester Five</b>					<b>Semester Six</b>			
3	PHYS220	Intro. to laser Science	PHYS204/L	3	PHYS315	Radiation and Health Physics	PHYS204L	3
	PHYS205	Exp. Methods in Electronics	PHYS150/L	3	PHYS311	Exp. Methods in Atomic & Nuclear Physics	PHYS205	3
	EDUC113	Foundation of Education		3	PHYS256	Electromagnetism & Applications 1	PHYS150/L MATH215 (co-req)	3
	EDUC103	Educational Psychology		3	EDUC302	Guidance and Counseling	EDUC103	3
		Department Elective		3		College Elective		3
		Department Elective		3		Department Elective		2
<b>Semester Total</b>				<b>18</b>	<b>Semester Total</b>			

Semester Seven					Semester Eight				
4	EDUC402	Practical of Education	EDUC301	6	PHYS490	Final Year Project	Completed 90 Credits	3	
	EDUC200	Curriculum & Instruction	EDUC103	3	EDUC301	Methods of Teaching	EDUC200	3	
	EDUC202	System of Education & Administration in GCC		3	PHYS405	Nuclear Science and Application	PHYS311	3	
	EDUC204	Technology of Education	COMP101/L	3	EDUC400	Psychological Measurement & Educational Evaluation	STAT101	3	
	PHYS490	Final Year Project	Completed 90 Credits	3					
	<b>Semester Total</b>				<b>18</b>	<b>Semester Total</b>			
<b>Grand Total: 135</b>									