

Study Plans

Major : 20300 Physics

Edition : 38

Total Hours : 140

Level : First				Level : Second			
Course No.	Course Name	prerequisite	prerequisite Name	Course No.	Course Name	prerequisite	prerequisite Name
105115-2	History of the Kingdom			2021204-4	Calculus (١)	202112-3	Introduction to Mathematics
201104-4	General Biology			204101-4	General Chemistry (١)		
202112-3	Introduction to Mathematics			2051204-3	Introduction to Biotechnology		
2031204-4	General Physics (١)			990211-2	Arabic Language Skills		
999801-2	English for Academic Purposes (١)			990311-2	University Study Skills		
				999802-2	English for Academic Purposes (١)	999801-2	English for Academic Purposes (١)

Level : Third				Level : Forth			
Course No.	Course Name	prerequisite	prerequisite Name	Course No.	Course Name	prerequisite	prerequisite Name
2022111-4	Differentiation and Integration for Physcis	2021204-4	Calculus (١)	2032201-4	Vibrations and Waves	2021204-4	Calculus (١)
2032101-3	Heat and Thermodynamics	2021204-4	Calculus (١)	2032202-3	Classical Mechanics ١	2021204-4	Calculus (١)
2032102-4	General physics (٢)			2032203-3	Differential Equations for Physics	2022111-4	Differentiation and Integration for Physcis
2032103-4	Electricity and magnetism			2032204-3	Computer Applications in Physics (١)		
990112-2	Islamic Culture (Morals and Values)	990111-2	Fundamentals of Islamic Culture	990111-2	Fundamentals of Islamic Culture		
999803-2	English for Academic Purposes (٢)	999802-2	English for Academic Purposes (١)	999804-2	English for Academic Purposes (٤)	999803-2	English for Academic Purposes (٢)

Level : Fifth				Level : Sixth			
Course No.	Course Name	prerequisite	prerequisite Name	Course No.	Course Name	prerequisite	prerequisite Name
2033101-2	Computer Applications in Physics (٢)	2032204-3	Computer Applications in Physics (١)	2033201-4	Solid State Physics (١)	2033105-4	Modern Physics
2033102-3	Mathematical Physics (١)	2032203-3	Differential Equations for Physics	2033202-3	Quantum Physics (١)	2033102-3	Mathematical Physics (١)
2033103-2	Classical Mechanics (٢)	2032202-3	Classical Mechanics ١			2033103-2	Classical Mechanics (٢)
2033104-4	Physical Optics	2032201-4	Vibrations and Waves			2033105-4	Modern Physics
2033105-4	Modern Physics			2033203-3	Mathematical Physics (٢)	2033102-3	Mathematical Physics (١)
999819-2	Special English For Science			2033204-3	Statistical Physics	2032101-3	Heat and Thermodynamics
						2033102-3	Mathematical Physics (١)
				2033205-3	Electromagnetic Theory	2033102-3	Mathematical Physics (١)
				990313-2	Islamic Culture (The social system in Islam)	990112-2	Islamic Culture (Morals and Values)

Level : Seventh				Level : Eighth			
Course No.	Course Name	prerequisite	prerequisite Name	Course No.	Course Name	prerequisite	prerequisite Name
2034101-2	Research Skills in Physics	2033201-4	Solid State Physics (١)	2034201-3	Graduation Project	2034101-2	Research Skills in Physics
2034102-2	Solid State Physics (٢)	2033201-4	Solid State Physics (١)	2034202-4	Radiation Physics	2034103-4	Nuclear Physics
		2033204-3	Statistical Physics	2034203-4	Laser Physics and its Applications	2034105-3	Atomic & Molecular Spectra
2034103-4	Nuclear Physics	2033105-4	Modern Physics				
		2033202-3	Quantum Physics (١)	2034204-2	Quantum Physics (٢)	2033202-3	Quantum Physics (١)
2034104-4	Electronics	2033201-4	Solid State Physics (١)	2034210-2	Medical and Biophysics		
2034105-3	Atomic & Molecular Spectra	2033105-4	Modern Physics	2034211-2	Physics of Renewable Energies		
		2033202-3	Quantum Physics (١)	2034212-2	Nano Science and Technology		
990314-2	French Language			2034213-2	Crystalline Structure		
990315-2	Chinese Language			2034214-2	Physics of Superconducting Materials		
990414-2	Islamic Culture (Human Rights)	990313-2	Islamic Culture (The social system in Islam)				
999809-2	Presentation Skills			2034215-2	Introduction to Plasma Physics		
999814-2	IELTS Preparation			2034216-2	Computational Physics		
999815-2	Academic Writing			2034217-2	Reactor Physics		
999821-2	English and the ٢١ st century skills			2034218-3	Optical Properties of Semiconductors		
				2034219-3	Solar Cells Physics		
				2034220-3	Astrophysics		
				2034221-3	Electronic Microscope		
				2034222-3	Physics of Semiconductors		
				2034223-3	Photonics		
				2034224-3	Radiation Protection		