

Semester	Course No	Course Name	Credits	Offered by...	Nature of Course	Sem (even/odd)
1	ID1054	Digital Fabrication	2	ME	Common Course	Odd
1	ID1035	Independent Project	1	ID	Common Course	Odd
1	PH1567	MATHS FOR PHYSICS -I	1	PH	Dept Course	Odd
1	MA1220	Basic Calculus -II	2	PH	Dept Course	Odd
1	PH1017	Classical Physics	1	PH	Common Course	Odd
1	ID1303	Introduction to Programing	2	CSE	Common Course	Odd
1	EE1010	Electric Circuits	1	EE	Common Course	Odd
1	EE1020	Magnetic Circuits	1	EE	Common Course	Odd
1	MA1110	Basic Calculus I	1	MA	Common Course	Odd
1		Free elective	1		Floating	Odd
1	EE1120	Digital System Design	1	EE	Common Course	Odd
1	EE1110	Applied Digital Logic Design	1	EE	Common Course	Odd
	EE1320	IoT	1	EE		
	PH2217	Classical Electromagnetism	1	PH		Odd
			17			
2	PH1587	Tensors and differential forms	1	PH	Common Course	Even
2	EE1510	Matrix Analysis	1	MA	Common Course	Even
2	CS1353	Introduction to Data Structures	3	CSE	Common Course	Even
2	CY1027	Dynamics of Chemical Systems - 1	1	CY	Common Course	Even
2	EE1130	Analog Electronics	1	EE	Common Course	Even
2	EE1330	Digital Signal Processing	1	EE	Common Course	Even
2	PH1027	Electromagnetism and Maxwell Eqn	1	PH	Common Course	Even
2	PH2817	Modern Physics	1	PH	Dept Course	Even
	PH2827	Thermodynamics	1	PH		
2	PH2027	Quantum Physics	1	PH	Common Course	Even
2		Free elective	2		Floating Course	Even
2		LA/CA	2	FE	Floating Course	Even
			16			
3	CS2233	Data Structure	3	CSE	Common Course	Odd
3	EE2230	Power Electronics	1	EE	Common Course	Odd
3	CY	Chemistry Lab	2	CY		Odd
3	PH1031	Btech Physics Lab	2	PH	Common Course	Odd
3	PH2117	Photonics	1	PH	Common Course	Odd
3	PH2017	Relativity	1	PH	Common Course	Odd
3	Mexxxx/ID	Fluid Mechanics	2			Odd
	PH3288	Analytical Mechanics	2	PH		
3	Xxxxxx	Free Elective	1			Odd
	EE2110	Microprocessor	1	EE		
3	ID1041	Engineering Drawing	2	ID	Common Course	Odd
			18			
4	EE2140	CMOS Fabrication	1	EE	Common Course	Even
4	EE2150	Digital Electronics	1	EE	Common Course	Even
4	EE2170	Mixed Signal Electronics	1	EE	Common Course	Even
4		Free elective	2			Even

4	CS2440	Algorithm	3	CSE	Common Course	Even
4	PH2127	Astroparticle Physics	1	PH	Common Course	Even
	PH3317	Thermal Physics	1	PH		
	PH2218	Electrodynamics	2			
4	PH2041	EP2 Lab	2	PH	Common Course	Even
4		LA/CA	2		Floating	Even
			16			
5	EE2120	Device Physics	2	EE	Common Course	Odd
5	PH3117	Wave formalism of Quantum Mechanics	1	PH	Dept Course	Odd
5	PH3127	Hydrogenic Atoms	1	PH	Dept Course	Odd
5	PH3267	Symmetries in Quantum Mechanics	1	PH	Dept Course	Odd
5	PH3367	Experimental techniques- I	1	PH	Dept Course	Odd
5	PH2177	Linear Vector Spaces	1	PH	Dept Course	Odd
5	PH2187	Fourier Series and Integral Transforms	1	PH	Dept Course	Odd
		Free elective	2			
5	PH2197	Complex Analysis	1	PH	Dept Course	Odd
5	PH3227	Nonlinear Dynamics	1	PH	Dept Course	Odd
5	PH3051	EP3 Lab	2	PH	Dept Course	Odd
		Computational Physics I	1	PH		
5	LAXxxx	LA/CA	2		Floating Course	Odd
			17			
6	PH2287	Special functions and Differential Eqn	1	PH	Dept Course	Even
6	PH2297	Group theory	1	PH	Dept Course	Even
6	PH3257	Scattering Theory	1	PH	Dept Course	Even
6	PH3237	Approx methods in Quantum Mechanics	1	PH	Dept Course	Even
6	PH3277	Relativistic Quantum Mechanics	1	PH	Dept Course	Even
6	PH3337	High Energy Physics	1	PH	Dept Course	Even
6	PH3347	Crystal Structure	1	PH	Dept Course	Even
6	PH3348	Statistical Physics	2	PH	Dept Course	Even
6	PH3338	Photonics & Laser	2	PH	Dept Course	Even
6	XXxxxx	Core elective	2	PH	Dept Course	Even
5	PH4075	Project	3	PH	Dept Course	Even
6	PH3061	EP4 Lab	2	PH	Dept Course	Even
			18			
7	PH4268	Solid State Physics	2	PH	Dept Course	Odd
7	PH3478	Particle Physics	2	PH	Dept Course	Odd
7	PH3287	Atomic & Mol Phys	1	PH	Dept Course	Even
7	PH3537	Nuclear Physics	1	PH	Dept Course	Odd
7	PH3358	Spectroscopy	2	PH	Dept Course	Odd
7	PHxxxx	Core elective	2	PH	Dept Course	Odd
	PHxxxx	Accelerator Physics	2	PH		
7	PHxxxx	Core Elective	2	PH	Dept Course	Odd
7	PH4071	EP5 Lab	2	PH	Dept Course	Odd

7	LAxxxx	LA/CA	2	LA	Floating Course	Odd
			18			
8		Free elective	2		Floating Course	Even
8	PHxxxx	Core-Electives	2	PH	Floating Course	Even
8	PHxxxx	Core-Electives	2	PH	Floating Course	Even
8	Laxxxx	Professional Ethics	1	LA	Common Course	Even
8	XXxxxx	LA/CA	2	FE	Floating Course	Even
			9			
			129			