

Engineering Physics (2020) Curriculum

Semester	Course No	Course Name	Credits	Offered by...
1	MA1110	Calculus-I	1	MA
1	MA1220	Calculus-II	1	MA
1	EP1108	Modern Physics	2	PH
1	CY1018	Environmental Chemistry	2	CY
1	SSxxxx	English communication	2	SS
1	ID1063	Introduction to Programming	3	CSE
1	EP1128	Basic Electric Circuits	2	PH
1	EP1118	Maths for Physics	2	PH
Total			15	
2	MA1140	Elementary Linear Algebra	1	MA
2	MA1150	Differential Equations	1	MA
2	ID1054	Digital Fabrication	2	MAE
2	ID1050	Introduction to AI	1	AI
2	EP1031	EP Lab - 1	2	PH
2	EP1208	Electricity and Magnetism	2	PH
2	BT1010	Life Sciences	1	BS
2	FExxxx	Free elective	3	FE
2	LAxxxx	LA/CA	3	LA/CA
2	EM3020	Introduction to Entrepreneurship	1	SS
Total			17	
3	CS2233	Data Structure	3	CSE
3	LA1770	Personality Development	1	LA
3	CY1031	Chemistry Lab	2	CY
3	MA2110	Introduction to Probability	1	MA
3	EE1202	Digital Circuits	3	EE
3	EP2108	Special Relativity	2	PH
3	EP2118	Analog Electronics	2	PH
3	EP2100	Classical Mechanics	3	PH
Total			17	
4	MA2140	Introduction to Statistics	1	MA
4	EP2228	Fluid dynamics	2	PH
4	EP3227	Nonlinear dynamics	1	PH
4	EP3208	Advanced Mathematical Physics	2	PH

4	EP2200	Thermodynamics	3	PH
4	EP4210	Computational Physics	3	PH
4	EP2418	Electronic Device Physics	2	PH
4	EP2041	Core EP lab-2	2	PH
4	EP3220	Modern Optics	3	PH
Total			19	
5	EP3100	Quantum Mechanics-1	3	PH
5	EP3105	Project-1	3	PH
5	EP3110	Electrodynamics	3	PH
5	EP3120	Statistical Mechanics	3	PH
5	EP4071	Core EP lab-3	2	PH
5	LAxxxx	LA elective	3	LA
5	EExxxx	Linear Systems & Signal Processing	3	EE
Total			20	
6	EP3200	Solid State Physics	3	PH
6	EP3210	Quantum Mechanics-II	3	PH
6	EP3230	Atomic and Molecular Physics	3	PH
6	EP3205	B.Tech Project II	3	PH
6	EPxxxx	Elective-I	3	PH
6	EP5101	Core EP lab-4	2	PH
Total			17	
7	EP4108	Nuclear Physics	2	PH
7	EP4710	Particle Physics	3	PH
7	EPxxxx	Elective-II	3	PH
7	EP5201	Core-EP Lab-5	2	PH
7	FExxxx	Free Elective	3	FE
Total			13	
8	EPxxxx	Elective-III	3	PH
8	XXxxxx	Free Elective	3	FE
8	FExxxx	Free Elective	3	FE
8	LAxxxx	LA	3	LA
Total			12	
			128	