

SCHEME OF B.Sc. (HONS) PHYSICS 2021-24

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Comm Services	GP	Cont hrs	Credits
I	CLL 101 Effective Communication-I 2.5(2-0-1)	MAL 101N Fundamentals of Mathematics 4(3-1-0)	PYL 102N Fundamentals of Physics 4(3-0-2)	MAL 109 Introduction to Statistics 4(4-0-0)	CHL100 Environmental Studies 3(3-0-0)	CHL111 Fundamentals of Chemistry 4(3-0-2)		PYS 101 CS-I	PYR100 1	24	22.5
II	CLL 102 Effective Communication-II 2.5(2-0-1)	PYL 101 Waves & Oscillations 4(3-0-2)	MAL 209 Data Analysis 4(3-0-2)	MAL 106N Basics of Computer Programming 4(3-0-2)	BSL101 Entrepreneurship 3(2-0-2)	CLL 120 Human Values and Professional Ethics 2(2-0-0)	PYL307 Fiber Optics 3(3-0-0)	PYS 102 CS-II (140 hrs=2 crdts)*	PYR110 1	27	25.5
III	PYL 201 Electromagnetic Theory 4(3-1-0)	PYL 106 Solid State Physics 4 (3-0-2)	PYL 105 Electricity and Magnetism 4(3-0-2)	Prog. Elec. I 4 (3-1-0)	Open Elective I 3 credits			PYS 201 CS-III	PYR200 1	21	20
IV	PYL207 Nuclear Particle and Astrophysics 3(3-0-0)	Electronic Devices PYL 304 4(3-0-2)	PYL 103 Applied Mechanics 4(3-1-0)	Prog. Elec. II 4 (3-0-2)	Open Elective II 3 credits	Foreign Language 3(1-2-0)		PYS 202 CS-IV (140 hrs=2 crdts)*	PYR220 1	23	24
PYI 240 Summer Internship (0-0-6) 3											
V	PYL 104 Mathematical Physics I 4(3-1-0)	PYL 203N Thermodynamics and Statistical Mechanics 4(3-0-2)	PYL 301 Digital Electronics 4(3-0-2)	Prog. Elec. III 4 (3-0-2)	Open Elective III 3 credits	PYD 350 Project 4(0-0-8)		PYS 301 CS-V	PYR300 1	22	24
VI	PYL 108 Quantum Mechanics 4(3-1-0)	PYL202 Mathematical Physics II 4(3-1-0)	Prog. Elec. IV 4 (3-0-2)	Open Elective IV 3 credits	PYL 310 Creativity and innovation outcome (1)	PYD 360 Project 4(0-0-8)		PYS 302 CS-VI (140 hrs=2 crdts)	PYR330 1	16	23
Total										133	142

*Students can utilize the entire year including the summer break period for completing 140 community service hours.

