

**SEMESTER I**

<b>Subject Name</b>	<b>Subject Type</b>	<b>Subject Code</b>	<b>Subject Credit</b>
Physics: I	Regular	BPHY1PHY	6
Mathematics: I	Regular	BMAT1MAT	6
CHEMISTRY-I	Regular	BCHE1CHE	6
COMMUNICATION SKILLS-I	Open	BOPE1CSK	3
ENVIRONMENTAL SCIENCE	Elective	BELE1ESC	3
COMPUTER FUNDAMENTALS AND APPLICATIONS	Elective	BELE1CFA	3

**SEMESTER II**

Subject Name	Subject Type	Subject Code	Subject Credit
Physics: II	Regular	BPHY2PHY	6
Mathematics: II	Regular	BMAT2MAT	6
Chemistry: II	Regular	BCHE2CHE	6
Communication Skills: II	Open	BOPE2CSK	3
Environmental Science	Elective	BELE2ESC	3
Computer Fundamentals and Applications	Elective	BELE2CFA	3

SEMESTER III

Subject Name	Subject Type	Subject Code	Subject Credit
Optics and Spectroscopy	Regular	BPHY3OAS	5
Solid State and Nuclear Physics	Regular	BPHY3SSN	5
Numerical Analysis -I	Regular	BMAT3NAS	5
Calculus	Regular	BMAT3CAL	5
Professional Skills	Elective	BELE3PFS	2
Basic Statistics	Elective	BELE3BST	2
Disaster Management-I	Elective	BELE3DMT	2

**SEMESTER IV**

Subject Name	Subject Type	Subject Code	Subject Credit
Electromagnetism, Electronics and Plasma Physics	Regular	BPHY4EEP	5
Modern Physics, Quantum Mechanics and Relativity	Regular	BPHY4MQR	5
Numerical Analysis-II	Regular	BMAT4NAS	5
Linear Algebra	Regular	BMAT4LIA	5
Scientific Writing	Elective	BELE4SCW	2
Basic Probability Theory	Elective	BELE4BPT	2
Disaster Management-II	Elective	BELE4DMT	2

**SEMESTER V**

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematical Physics and Quantum Mechanics	Regular	BPHY5MQM	5
Classical Mechanics and Statistical Mechanics	Regular	BPHY5CSM	5
Linear and Non-Linear Electronics Circuit	Regular	BPHY5LNE	5
Numerical Methods and Programming	Regular	BPHY5NMP	5
Electron Optics	Elective	BELE5ELO	2
Basic Instrumentation Skill	Elective	BELE5BIS	2
Renewable Energy Resources	Elective	BELE5RER	2

**SEMESTER VI**

Subject Name	Subject Type	Subject Code	Subject Credit
Solid State Physics	Regular	BPHY6SSP	5
Nuclear Physics and Particle Physics	Regular	BPHY6NPP	5
Quantum Mechanics and Molecular Spectroscopy	Regular	BPHY6QMS	5
Introduction to Electrodynamics	Regular	BPHY6IED	5
Advanced Materials and Fibre Optics	Elective	BELE6AMF	2
Astrophysics and Cosmology	Elective	BELE6APC	2
Introduction to Plasma Physics	Elective	BELE6IPP	2



