

The subjects to be covered in the syllabi of M.Sc. (Physics) are given at Annexure 13.

**Annexure 13:**

<b>M.Sc. (Physics)</b>	<b>Credit</b>
<b>Subjects</b>	
<b>First Semester</b>	<b>26</b>
Quantum Mechanics-I and Mathematical Physics-1	4
Classical Mechanics-I and Statistical Mechanics	4
Electrodynamics-I and Programming in C-1	4
Solid State Physics and Plasma Physics	4
Physics Laboratory Practicals-1	8
Basics of Yoga	2
<b>Second Semester</b>	<b>26</b>
Quantum Mechanics-2 and Mathematical Physics-2	4
Classical Mechanics-2 and Solid State Properties	4
Semiconductor Physics and Devices	4
Analog Electronics	4
Physics Laboratory Practicals-2	8
A Soft Skills and Personality Development	2
<b>Third Semester</b>	<b>26</b>
Nuclear Physics-1, Advanced Quantum mechanics-1 and instrumentation	4
Numerical methods and digital electronics	4
Satellite communications, Fibre optics and Microprocessor-1	4
Electronics Communication-1	4
Physics Laboratory Practicals-3	8
Computer Application	2
<b>Fourth Semester</b>	<b>24</b>
Assignments/ Group Discussion/ Scientific Writing	4
Seminar	4
Dissertation	16
<b>Total Credits</b>	<b>102</b>