



**PROGRAMME STRUCTURE**  
**Master of Science in Material Science**  
**MSc (Material Science) Semester: I**

Programme Outcome (PO) - For MSc Material Science Programme	Materials Science is an interdisciplinary subject of great importance. The syllabi in this program cover various aspects of physics, chemistry and engineering relevant to different types of materials. As the rapid progress is being made in the development of sophisticated tailor made materials of desired properties and specifications to suit specific needs, this program will help the students to be technologically sound with the scientific knowledge of chemical and physical sciences.
Programme Specific Outcome (PSO) - For MSc Material Science Semester - I	<p>This program will help the students</p> <ul style="list-style-type: none"> <li>➤ to strengthen their knowledge on the fundamental aspects of materials science</li> <li>➤ to acquire knowledge on the properties of different types of materials</li> <li>➤ to get acquainted with different experimental and technical methods used for the characterization of materials</li> <li>➤ the area of applications where different tailor made materials can be used.</li> </ul>

To Pass	(1).... (2)....
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Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Exam Duration in hrs	Component of Marks		
						Internal	External	Total
						Total	Total	Total
Core Course	PS01CMTS51	Basic Concepts in Materials Science	T	4	3	30	70	100
	PS01CMTS52	Interfacial Aspects of Materials Science	T	4	3	30	70	100





**SARDAR PATEL UNIVERSITY**  
**Vallbah Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))**  
**Syllabus with effect from the Academic Year 2021-2022**

	PS01CMTS53	Thin Film Materials	T	4	3	30	70	100
	PS01CMTS54	Polymer Science	T	4	3	30	70	100
	PS01CMTS55	Practicals I	P	4	3	30	70	100
	PS01CMTS56	Practicals II	P	4	3	30	70	100
	PS01CMTS57	Comprehensive Viva		1	-	-	50	50

