

Shree M. & N. Virani Science College (Autonomous), Rajkot

Department of Microbiology

CONCEPTUAL FRAME WORK OF CURRICULUM FOR

M.Sc. MICROBIOLOGY PROGRAM

(For students admitted from Academic Year 2019-20 and onwards)

Model-I

1. M.Sc. Chemistry
2. M.Sc. Industrial Chemistry
3. M.Sc. Mathematics

4. M.Sc. Microbiology
5. M.Sc. Biotechnology

Part	Sem.	Course / Component	Instruction hrs./week	No. of Courses	Credit/ Course	Total Credits	
Part-I	1-4	Core (Fundamental, Advanced, Applied) • Theory • Practical Core-Applied, if needed may be restricted to 3 rd & 4 th semesters	T-3-5 P-3-12	9-12	3-5 1-6	40-61 OR 53-85	
	3	Core – Self study	1	1	3	3	
	3,4	DSE – Core • Theory • Practical	T-3-5 P-3-10 OR T-3-5 (in built practical)	2T+2P Only 2T	T-3-4 P-1-3 } 3-6	8-14 6-12	
	3	DSE – Core • Theory • Practical	OR T-3-5 P-3-10 (in built practical)	1T+1P OR 1T	T-3-4 P-1-3 } 3-6	4-7 3-6	
	3,4	Project/ Adv. Practical/ Internship/ Skill training	3 rd Sem. 2-5 4 th Sem. 5-20 OR 3 rd Sem. 5-9 4 th Sem. 5-20	1 1	3 rd Sem. 5-10 4 th Sem. 10-15 3 rd Sem. 2-5 4 th Sem. 4-7	15-25 4-9	
	1 & 2	DSE-ID			2-4	T-2-3	3+3=6

		Choice from following 2 <ul style="list-style-type: none"> • Dept. choice of ID course • Statistical Methods/Industrial Environment Management 	2T+2P OR 2T 4 hrs/week		P-1-2	
	3	Generic Elective (GE)	2	1	2	2
Total Credits of Part-I						90

Part	Sem.	Course / Component	Instruction hrs./week	No. of Courses	Credit/ Course	Total Credits
Part-II	1-3	Competency Enhancement Course (CEC) <ul style="list-style-type: none"> • CEC-I (dept's choice) 	Out of class hrs./ within core hrs.	1	2	2
	1-4	<ul style="list-style-type: none"> • CEC-II Online/Professional certification course (from choices approved by AC)	Out of class hrs.	1	2	2
	1,2	Value Education	1	1	2	2
	Total Credits of Part-II					6
Total Credits for M.Sc. Degree (Part-I+II)					90+6 = 96 Cr.	

Total credits to earn the Degree = 96 Credits

Part-I = 90 Credits

Part-II = 06Credits

Total = 96 Credits

Only Part-I credits will be completed for classification.