				M.Sc. Cl	nemistry				
					)23-24 (1year)				
				Seme	ster 1				
				Same	ester I				
				Seme	ster i				
							Assessment Patt	ern	
Sl No	Course Code	Name of the Course	L	Т	P	С	IA	CAT	ЕТЕ
		Organic							
1	MSCH 5008	Spectroscopy	4	0	0	4	20	30	50
2	MBS24T1103	Reaction mechanism and Basics of group theory	3	0	0	3	20	30	50
	WIB52411103	uncory		· ·	0	3	20	30	30
		Physical							
3	MSCH 5024	Chemistry-II	3	0	4	5	20	30	50
4	MBS24T1104	Techniques in Analytical Chemistry	3	0	4	5	20	30	50
5	MBS28T2111	Research Methodology	2	0	0	2	30	20	50
6	MLEUCT1003	Creativity, Innovation and Entrepreneurship & IPR	1	0	0	1	50		50
0	WILECCTIOUS	& II K	1	0	0	1	30		30
					_				
		Total	16	0	8	20			
				Seme	ster II				
				Semester II (Orga	nic Specialization)	)			
							Assessment Patt	ern	
SI No	Course Code	Name of the Course	L	T	P	С	IA	CAT	ЕТЕ
		Photo chemistry							
1	MSCH6001	& Pericyclic reaction	4	0	2	5	20	30	50
		Reagents and Heterocyclic							
2	MSCH6002	Chemistry	4	0	2	5	20	30	50
3	MSCH6003	Chemistry of Natural Products and Retrosynthesis	4	0	2	5	20	30	50
	WISC110003	retrosynthesis	+	U		J 3		30	

	1			1		İ		i	İ
4	MBS24TXXX	(Elective)	3	0	0	3	20	30	50
· ·	WIDS2 TIZZZZ	(Elective)	3	· ·	0	3	20	30	30
		Campus to							
5	MLLUCT1003	Corporate	1	0	2	2			
		Total	16	0	8	20			
				Semester II (Inorga	unia Emacialization				
				semester II (Inorga	anic Specianzation	<u>.,                                    </u>			
							Assessment Patte	ern	
Sl No	Course Code	Name of the Course	L	Т	P	C	IA	CAT	ETE
1	MSCH 6006	Organometallic Chemistry	4	0	2	5	20	30	50
1	MSCH 6006	Spectroscopic	4	0	2	3	20	30	30
		techniques in Inorganic							
2	MSCH 6012	Chemistry	4	0	2	5	20	30	50
3	MSCH 6009	Bio-Inorganic Chemistry	4	0	2	5	20	30	50
4	MBS24TXXX	(elective)	3	0	0	3	20	30	50
4	MB5241AAA	(elective)	3	U	0	3	20	30	30
		Campus to							
7	MLLUCT1003	Corporate	1	0	2	2			
		Total	16	0	8	20			
Semester II (Pi	hysical Specializa	ation)							
semester ii (i i	Trystean Specialize	1.0.17							
		Name of the							
Sl No	Course Code	Course					Assessment Patte	ern	
			L	Т	P	С	IA	CAT	ЕТЕ
1	MSCH6021	Applied Electrochemistry	4	0	2	5	20	30	50
1	1415-1100-1	Chemical	7	U		3	20	30	30
		Kinetics and Surface							
2	MSCH6022	Chemistry	4	0	2	5	20	30	50
	14150110022								
	WISCHOOZZ	Molecular							

	N CO ATTACA	(E) (; )	2			2	20	20	50
4	MBS24TXXX	(Elective)	3	0	0	3	20	30	50
	MLLUCT1003	Campus to	,		2	2			
	MLLUCTIOUS	Corporate	1	0	2	2			
		m . 1	1,			20			
		Total	16	0	8	20			
			c	emester II (Analy	tiaal Enosialization	•)			
			s	emester II (Analy	licai Specializatioi				
CING	Course Code	Name of the		Т	P	C		CAT	ETE
SI No	Course Code	Course	L	1	r	C	IA	CAI	ETE
1	MSCH6031	Electroanalytical	4	0	2	5	20	20	50
1	MISCH6031	methods	4	0	2	3	20	30	50
		Quality control							
2	MSCH6032	and quality assurance	4	0	2	5	20	30	50
2	MSCH6032	assurance	4	0	2	3	20	30	30
		Advanced							
,	MSCH6033	Instrumentation	4	0	2	=	20	20	50
3	MSCH6033	methods	4	0	2	5	20	30	50
4	MBS24TXXX	(Elective)	2	0		2	20	20	50
4	MIBS241AAA	(Elective)	3	0	0	3	20	30	50
	MILLIGHTON	Campus to	,		2	2			
6	MLLUCT1003	Corporate	1	0	2	2			
		T-4-1	16			20			
		Total	16	0	8	20	3		
	MEGILCOOC	Organometallic	_						
	MSCH 6006	Chemistry	4	0	0	4	1		Theory
		Spectroscopic techniques in							
I tot of Ell.	MCCII (012	Inorganic	4		_	4			
List of Electives	WSCH 6012	Chemistry	4	0	0	4	4		Theory
	MSCH 6009	Bio-Inorganic	4	0		4			
	WISCH 6009	Chemistry	4	0	0	4			
							According and D. 44		
							Assessment Patte	er ii	
CING	Commo Codo	Name of the Electives		т	ь		T.A.	CAT	ETE
SI No	Course Code	Liectives	L	T	P	С	IA	CAT	ETE
,	MBS24T5101	Polymer chemistry	,	0	0	3	20	30	50
1	WID52413101	chemistry	3	U	U	3	20	30	50
2	MBS24T5102	Industrial	2	0	0	3	20	20	50
2	MD52415102	chemistry	3	U	U	3	20	30	50

		1					1	1	
		Solid State							
3	MBS24T5103	chemistry	3	0	0	3	20	30	50
		Environmental analytical							
4	MBS24T5104	chemistry	3	0	0	3	20	30	50
		Bio-organic							
5	MBS24T5105	Chemistry	3	0	0	3	20	30	50
		Advanced Green							
6	MBS24T5106	Chemistry	3	0	0	3	20	30	50
7	MBS24T5107	Carbon Materials	3	0	0	3	20	30	50
		Advance Metallurgical							
8	MBS24T5108	Sciences	3	0	0	3	20	30	50
		Industrial							
9	MBS24T5109	Biochemistry	3	0	0	3	20	30	50
							4	Project	
		Molecular							
3	MSCH6023	Spectroscopy	4	0	0	4			
							3		
4	MBS24TXXX	(Elective)	3	0	0	3			
							0		
		Physical							
5	MSCH6025	chemistry Lab –II	0	0	8	4			
6	MBS24P3001	Project Phase II	0	0	0	3			
								Course Type (Theory/	
		Campus to						Integrated/	
	MLLUCT1003	Corporate	3	0	0	3		Comprehensive/ Workshop)	
		Start up,					Credit		
		Start up, Innovation, Incubation and							
		Entrepreneurship	0			0			
							3	Theory	
		Total	18	0	8	25			
			<u></u>		<u> </u>	<u> </u>	4	Theory	
			Analytical S	pecialization					
								Theory	
		Name of the							
Sl No	Course Code	Course	L	T	P	С			
								Integrated	
		Electroanalytical							
1	MSCH6031	methods	4	0	0	4			
								Integrated	
		Quality control and quality							
2	MSCH6032	assurance	4	0	0	4			

	1				ı	1			
							Credit		
		Advanced							
,	MSCH6033	Instrumentation methods	4	0	0	4			
3	МЗСПООЗЗ	methous	4	0	0	4	4	Course Type	
							4	(Theory/	
								Integrated/	
4	MBS24TXXX	(Elective)	3	0	0	3		Comprehensive/	
4	WIB5241AAA	(Elective)	3	0	0	3	3	Workshop)	
							3		
7	MSCH6034	Analytical chemistry Lab -II	0	0	8	4			
	WISCH0034	Chemistry Lab -11	0	0	0	4	4	Theory	
							4	Theory	
	MDC24D2001	Dania at Dhana II				2			
6	MBS24P3001	Project Phase II	0	0	0	3	0	Theres	
				ļ			3	Theory	
	NELLICE LOGS	Campus to				2			
	MLLUCT1003	Corporate	3	0	0	3	_		
		Start up,		ļ			3	Theory	
		Innovation,							
		Incubation and		[					
		Entrepreneurship	0			0			
			į	[			1	Integrated	
		Total	18	0	8	25			
	VSBA5001	Academic Report	Value-added	2	0	0	0	Integrated	
		writing and		ļ					
		Funding Opportunities		ļ					
List of Electives		Оррогинись		ļ					
					•	•		Project	
			I						
			I						
			I						
							4		
		Name of the							
SI No	Course Code	Electives	L	T	P	C			
					_		1	+	
				ļ					
		Dalumar							
1	MBS24T5101	Polymer chemistry	3	0	0	3			
1	WID52413101	Chemistry			0	3	3	+	
			ı	į		Ì			
		1							
2		Industrial							
	MRS24T5102	Industrial	2	0	0	2			
<u></u>	MBS24T5102	Industrial chemistry	3	0	0	3	A		
2	MBS24T5102		3	0	0	3	4		
	MBS24T5102	chemistry	3	0	0	3	4		
		chemistry  Solid State					4		
3	MBS24T5102 MBS24T5103	chemistry	3	0	0	3			
		Solid State chemistry					4 3		
		Solid State chemistry  Environmental							
3	MBS24T5103	Solid State chemistry  Environmental analytical	3	0	0	3			
		Solid State chemistry  Environmental					3		
3	MBS24T5103	Solid State chemistry  Environmental analytical	3	0	0	3			
3	MBS24T5103	Solid State chemistry  Environmental analytical chemistry	3	0	0	3	3		
3	MBS24T5103 MBS24T5104	Solid State chemistry  Environmental analytical chemistry  Bio-organic	3	0	0	3	3		
3	MBS24T5103	Solid State chemistry  Environmental analytical chemistry	3	0	0	3	3		
3	MBS24T5103 MBS24T5104	Solid State chemistry  Environmental analytical chemistry  Bio-organic	3	0	0	3	3		
3	MBS24T5103 MBS24T5104	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry	3	0	0	3	3		
3 4	MBS24T5103  MBS24T5104  MBS24T5105	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green	3 3	0	0 0	3 3	3		
3	MBS24T5103 MBS24T5104	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry	3	0	0	3	1 4		
3 4	MBS24T5103  MBS24T5104  MBS24T5105	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green	3 3	0	0 0	3 3	3		
3 4	MBS24T5103  MBS24T5104  MBS24T5105	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green	3 3	0	0 0	3 3	1 4		
3 4 5	MBS24T5103  MBS24T5104  MBS24T5105  MBS24T5106	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green Chemistry	3 3	0 0 0	0 0 0	3 3	1 4		
3 4	MBS24T5103  MBS24T5104  MBS24T5105	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green	3 3	0	0	3 3	1 4		
3 4 5	MBS24T5103  MBS24T5104  MBS24T5105  MBS24T5106	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green Chemistry	3 3 3	0 0 0	0 0 0	3 3 3	1 4		
3 4 5	MBS24T5103  MBS24T5104  MBS24T5105  MBS24T5106	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green Chemistry  Carbon Materials	3 3 3	0 0 0	0 0 0	3 3 3	1 4 3		
3 4 5	MBS24T5103  MBS24T5104  MBS24T5105  MBS24T5106	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green Chemistry  Carbon Materials	3 3 3	0 0 0	0 0 0	3 3 3	1 4 3		
3 4 5	MBS24T5103  MBS24T5104  MBS24T5105  MBS24T5106	Solid State chemistry  Environmental analytical chemistry  Bio-organic Chemistry  Advanced Green Chemistry  Carbon Materials	3 3 3	0 0 0	0 0 0	3 3 3	1 4 3		

		1		I				
9	MBS24T5109	Industrial Biochemistry	3	0	0	3		
	Course Code	Course Name	Course Type	Teaching Scheme				
				L	Т	P	Credit	
Sem VII	B030701T	Linear Algebra	Major	3	1	0	4	
Sem VII	B030702T	Real Analysis	Major	3	1	0	4	
Sem VII	B030703T	Ordinary Differential Equations	Major	3	1	0	4	
Sem VII	B030704T	Mathematical Statistics	Major	3	1	0	4	
Sem VII	B030705P	Mathematical Statistics Lab using R	Major	0	2	1	1	
Sem VII		Ability Enhancement Course	University core				3	
Sem VII	B010721T	Research Methodology	University core	2	0	0	2	
			Total cı	redit=22				
Sem VIII	B030801T	Abstract Algebra	Major	3	1	0	4	
Sem VIII	B030802T	PartialDifferential Equations	Major	3	1	0	4	
Sem VIII	B030803T	Topology	Major	3	1	0	4	
Sem VIII	B030801R	Research Project	PBL	0	0	12	6	

			Total cr	edit=18				
			F: ( B0 (II )		100			
		Total cre	dits for BSc (Hons)	Degree in Mathema	tics =160			
		List of A	bility Enhancement	Courses				
SI No	Course Code	Name of the	]					
		Ability Enhancement Courses						
			L	Т	Р	С		
1		Professional	1	0	4	3		
		Communication-II						
2		Campus to	3	0	0	3		
2		Corporate		U	0	3		
		Vocational Cou	rses List- SBAS					
Semester	Bucket -I	Bucket -II	Bucket -III (Math)	Bucket -IV	Bucket -V (Bio)			
	(Physics)	(Chemistry)		(Forensic)				
Sem IV	Vocational Minor-I	Vocational Minor-I	Probability and	Vocational Minor-I	Vocational Minor-I			
			Statistics+ Lab					
Sem V	Vocational Minor-II	Vocational Minor-II	Statistical Methods and Design of Experiment	Vocational Minor-II	Vocational Minor-II			
Sem VI	Vocational Minor-	Vocational Minor-	Financial	Vocational Minor-	Vocational Minor-			
	III	III	Mathematics	III	III			