

SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

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Ready for Every Good Work : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987 Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Organic Chemistry-I	CH716	M.Sc Chemistry	Entrepreneurship: Content: Formation of dyes using diazotization reactions Activity: Preparation of methyl orange dye from sulfanilic acid precursor	2021-22
Inorganic Chemistry-I	CH717	M.Sc Chemistry	Entrepreneurship: Content: Material Chemistry, Nano particles Activity: Nano materials in biomedical application in drug delivery system, biosensors and cancer therapy.Synthesis of nanoparticles as semiconductors like TiO2, Fe2O3, etc.,	2021-22
Elective-I Analytical Chemistry	CH719A	M.Sc Chemistry	Entrepreneurship: Content : Instrumentation and Applications of spectroscopic and analytical techniques Activity : Apply the	2021-22

Elective-I Green ChemistryCH719B CH719BM.Sc ChemistryEntrepreneurship: Content : Eco friendly Pesticides-Insecticides Activity : Preparation of biopesticidies and other agricultutural products for marketing2021-22Organic Chemistry-IICH818M.Sc Chemistry2021-22Organic Chemistry-IICH818M.Sc Chemistry2021-22Elective-II Research MethodologyCH821AM.Sc Chemistry2021-22Elective-II Research MethodologyCH821AM.Sc Chemistry2021-22Elective-II Research MethodologyCH821AM.Sc Chemistry2021-22Elective-II Research MethodologyCH821AM.Sc Chemistry2021-22Elective-II Research MethodologyCH821AM.Sc Chemistry2021-22Entrepreneurship: Content : Science Direct, STN International. Google, scholar, Scopus-Journal home pages2021-22				1	
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STN International. Google, scholar, Scopus-Journal			Chemistry		
scholar, Scopus-Journal	Methodology			,	
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Activity : Acquire and					
adopt suitable skills to be a				-	
research consultant				research consultant	
Elective-II CH821B M.Sc 2021-22	Elective-II	CH821B	M.Sc		2021-22
Heterocyclic Chemistry Entrepreneurship:		C11021D		Entrepreneurship	
Chemistry Content : Principles of			Chemistry		
heterocyclic synthesis	Chemisu y			-	
Activity : Apply the					
reaction schemes to					
prepare molecules of					
commercial use					
connicient use				commerciar use	

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Elective-II Bio-	CH821C	M.Sc		2021-22
Organic		Chemistry	Entrepreneurship:	
Chemistry			Content : Synthesis,	
			industrial and biological	
			importance of glycosides,	
			amino sugars	
			Activity : Acquire skills to	
			prepare compounds of	
			industrial importance	
	DOU1012	MG		2021.22
Organic	PCH813	M.Sc		2021-22
Practicals-I		Chemistry	Entrepreneurship:	
			Content: Identification of	
			individual components in a	
			two-component organic	
			mixture	
			Activity: Separation of	
			organic mixtures,	
			purification of crude	
			synthetic product,	
			Preparing derivatives for	
			respective functional	
			groups	
Organic	CH918	M.Sc		2021-22
Chemistry-III	CHIT	Chemistry	Entrepreneurship:	2021 22
Chemistry III		Chemistry	Content: Organometallic	
			Compounds, importance of	
			photochemical conversions	
			and pericyclic reactions	
			Activity: Correlation	
			diagrams for predicting the	
			product formation,	
			Analyze the	
			thermally/photochemically,	
			allowed/disallowed	
			reactions for various	
			pericyclic reactions	
Elective-III	CH921A	M.Sc		2021-22
Inorganic		Chemistry	Entrepreneurship:	
Photochemistry		-	Content : Application of	
and Materials			redox processes of	
Science			electronically excited	
			states for catalytic	
			purposes	
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			Activity : Prepare	
			important materials for	
			catalytic purposes and	
			make them as commercial	
			commodity	
Elective-III	CH921B	M.Sc		2021-22
Polymer	011/210	Chemistry	Entrepreneurship:	2021 22
Chemistry		Chemistry	Content : Important	
Chemistry			industrial polymers, fire	
			retardant polymers	
			Activity : To prepare	
			commercially important	
			polymers and market them	
			poryments and market them	
Elective-III	CH921C	M.Sc		2021-22
Cheminformatics		Chemistry	Entrepreneurship:	
			Content : Structure	
			searching, Sub structure	
			searching	
			Activity : Apply the	
			structure searching	
			expertise to set up	
			chemoinformatics lab	
Organic	CH1017	M.Sc		2021-22
Chemistry-IV		Chemistry	Entrepreneurship:	
			Content: Important	
			strategies for retro	
			synthesis	
			Activity: Interconverting	
			functional groups through	
			various disconnection	
			approach, Arriving	
			targeted drug molecules	
			from simple precursors	
			through various	
			retrosynthetic approaches.	
Physical	CH1019	M.Sc		2021-22
Chemistry-III	CIII017	Chemistry	Entrepreneurship:	2021-22
chemou j m		Chemistry	Content: Applications of	
			electrochemistry in modern	
			batteries and fuel cells	
			Activity: Construct the	
			modern battery and find	
			modern ballery and find	

			out the suitable electrolyte and its conducting behavior in fuel cell applications.	
Organic Practicals-II	PCH1013	M.Sc Chemistry	Entrepreneurship: Content: Estimating saponification value, estimating iodination value for different oils. Activity: Carrying out saponification reaction and able to make oil to soap	2021-22
Inorganic Chemistry-II	PCH1014	M.Sc Chemistry	Entrepreneurship: Content: Interpretattion of Inorganic compounds Activity: Synthesized inorganic compound's structural interpretations using its spectra.	2021-22