

**Study Plan for M.Sc. in Applied Organic Chemistry**

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours	
<b>Semester One (Pre-Major)</b>					<b>Semester Two</b>				
1	CHEM601/L	Advanced Organic Chemistry		3	CHEM605/L	Synthetic Methodologies and Advanced Stereochemistry		3	
	CHEM602/L	Research Methods and Critical Analysis of Scientific Information		3	CHEM606/L	Industrial Pharmaceutical Chemistry		3	
	CHEM603/L	Advanced Analytical Chemistry		3	CHEM607/L	Advanced Chemistry of Natural Products		3	
	CHEM604/L	Catalysis in Organic Synthesis		3	CHEM608/L	Separation and Spectroscopy Techniques		3	
					CHEM610/L	Philosophy of Sciences		3	
					STAT610/L	Statistics		3	
					Note: Students can take any 3 courses				
<b>Semester Total</b>				<b>12</b>	<b>Semester Total</b>				<b>9</b>
<b>Semester Three</b>					<b>Semester Four</b>				
2	CHEM613	Industrial Internship Program		3					
	CHEM699	Thesis and Seminar		6					
				9	<b>Semester Total</b>				<b>18</b>
<b>Grand Total: 30</b>									