

**SCHOOL OF CHEMICAL SCIENCES  
DEPARTMENT OF CHEMISTRY  
CENTRAL UNIVERSITY OF HARYANA**

**M.Sc. Chemistry Programme**

**Semester-I**

<b>Course Code</b>	<b>Title of the Course</b>	<b>Hours per week</b>	<b>Credit</b>
SCSC 101 Chem 3003	Inorganic Chemistry-I	3	3
SCSC 102 Chem 3003	Organic Chemistry-I	3	3
SCSC 103 Chem 3003	Physical Chemistry-I	3	3
SCSC 104 Chem 3003	Inorganic Chemistry Laboratory-I	6	3
SCSC 105 Chem 3003	Organic Chemistry Laboratory-I	6	3
		<b>21</b>	<b>15</b>
SCSE 106 Chem 3003	Environmental Chemistry	3	<b>3</b>
SCSE 107 a or b Chem 3003	Mathematics for Chemists (a) or Biosciences for Chemists(b)	3	3
Offered by other department <b>Code may be obtained</b>	Presentation and Communication Skills <b>(to be obtained from other department)</b>	3	3
	Self-study course		
			24

**Semester-II**

<b>Course Code</b>	<b>Title of the Course</b>	<b>Hours per week</b>	<b>Credit</b>
SCSC 201 Chem 3003	Inorganic Chemistry-II	3	3
SCSC 202 Chem 3003	Organic Chemistry-II	3	3
SCSC 203 Chem 3003	Physical Chemistry-II	3	3
SCSC 204 Chem 3003	Physical Chemistry Laboratory-I	6	3
SCSC 205 Chem 3003	Inorganic Chemistry Laboratory-II	6	3
		<b>21</b>	<b>15</b>
SCSE 206 Chem 3003	Analytical Chemistry-I	3	3
SCSE 207 Chem 3003	General Polymer Chemistry	3	3
Offered by other department <b>Code may be obtained</b>	Computer programming <b>(to be obtained from other department)</b>	2 (Theory) + 2 (Practical)	3
	Self-study course	-----	
			24

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**Semester-III**

<b>Course Code</b>	<b>Title of the Course</b>	<b>Hours per week</b>	<b>Credit</b>
SCSC 301 Chem 3003	Inorganic Chemistry-III	3	3
SCSC 302 Chem 3003	Organic Chemistry-III	3	3
SCSC 303 Chem 3003	Physical Chemistry-III	3	3
SCSC 304 Chem 3003	Organic Chemistry Laboratory-II	6	3
SCSC 305 Chem 3003	Physical Chemistry Laboratory-II	6	3
		<b>21</b>	<b>15</b>
SCSE 306 Chem 3003	Analytical Chemistry-II	3	3
SCSE 307 Chem 3003	Computational Chemistry	2 Theory + 2 Practical	3
Offered by other department <b>Code may be obtained</b>	<b>to be obtained from other department</b>	3	3
	Self-study course	-----	
			24

**Semester-IV**

<b>Course Code</b>	<b>Title of the Course</b>	<b>Hours per week</b>	<b>Credit</b>
SCSC 401 Chem 3003	Inorganic/Organic/Physical Chemistry	3	3
SCSC 402 Chem 3003	Inorganic/Organic/Physical Chemistry	3	3
SCSC 403 Chem 3003	Applications of Spectroscopy	3	3
SCSC 404 Chem 3003	Project work	12	6
		<b>21</b>	<b>15</b>
SCSE 405 Chem 3003	Bioinorganic Chemistry or Bioorganic Chemistry or Biophysical Chemistry	3	3
SCSE 406 Chem 3003	Chemistry of materials	3	3
Offered by other department <b>Code may be obtained</b>	<b>(to be obtained from other department)</b>	3	3
	Self-study course	-----	
			24

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**Total required credits = 78**

SEMESTER	CREDITS			
	Core	ELECTIVE COURSE		*Self-Study
		Chemistry department	Other departments	
I	15	6	3	3
II	15	6	3	3
III	15	6	3	3
IV	15	6	3	3
	<b>60</b>	<b>24</b>	<b>12</b>	
	<b>60</b>	<b>12</b>	<b>6</b>	

\* **Self-study course:** *To be decided by the Department of Chemistry, School of Chemical Sciences*