

## Study Plan for ID 61- 65

### Material Chemistry (127 Credit)

First year							
Semester 1 (Aug-Dec)				Semester 2 (Jan-May)			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2301107	CALCULUS I	3		2301108	CALCULUS II	3	PRER 2301107
2302107	COMP APP CHEM	1		2302102	GEN CHEM II	3	
2302101	GEN CHEM I	3		2303109	GENERAL BIOLOGY	3	
2302103	GEN CHEM LAB	1		2303110	GEN BIO LAB	1	
5503111	ENG COMM SCI I	3		2304151	ESSENTIAL PHYS	3	
xxxxxxx	Language:Non-native	3		2304191	PHYSICS LAB FOR CHEM	1	
xxxxxxx	Gen Ed <sup>1</sup>	3		5503122	ENG COMM SCI II	3	PRER 5500181 OR 5503111
				xxxxxxx	Gen Ed	3	
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>20</b>

  

Second year							
Semester 1 (Aug-Dec)				Semester 2 (Jan-May)			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2302104	CHEM HAZ MGT	3		2301286	PROBABILITY AND STATISTICS	3	PRER 2301113 OR 2301107 OR 2301117
2302204	INORG CHEM	3		2302203	ORG CHEM LAB	1	PRER 2302103
2302205	ANAL CHEM I	3		2302206	ANAL CHEM II	3	
2302231	PHYS CHEM I	3		2302272	ORG CHEM II	3	
2302271	ORG CHEM I	3		2302232	PHYS CHEM II	3	
2302393	CHEM INFO TECH	2		2302305	PRAC CHEM	1	PRER 2302103
5503213	COMMUNICATION AND PRESENTATION SKILLS FOR SCIENCE	3	PRER 5503122	2302281	FUND MAT CHEM	3	
				xxxxxxx	Gen Ed	3	
<b>Total</b>			<b>20</b>	<b>Total</b>			<b>20</b>

  

Third year							
Semester 1 (Aug-Dec)				Semester 2 (Jan-May) <sup>2</sup>			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2302303	SPECT CHEM	2	PRER 2302202 OR 2302272	2302302	INTEG CHEM LAB	2	PRER 2302305
2302384	MACROMOL CHEM	3	PRER 2302272	2302307	INTER SCI SOC PROJ	4	COREQ 2302399
2302385	MAT ID	3		2302334	SURF COLLD CHEM (Module)	2	
2302480	BIOPOLYMER	2		2302399	PROJECT PROPOSAL <sup>3</sup>	1	
2302380	INORGANIC MATERIALS	2	PRER 2302204 OR C.F.	xxxxxxx	Elective (Module)	3	
xxxxxxx	Gen Ed	3		xxxxxxx	Elective (Module)	3	
xxxxxxx	Gen Ed	3					
<b>Total</b>			<b>18</b>	<b>Total</b>			<b>15</b>

  

Fourth year							
Semester 1 (Aug-Dec)				Semester 2 (Jan-May)			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2302402	APP CHEM PROJ	2		2302301	SEMINAR	1	
				2302352	IND CHEM TECH	3	
				2302404	CURR PROB APP CHEM	2	
				xxxxxxx	Gen Ed	3	
				xxxxxxx	Free Elective	3	
				xxxxxxx	Free Elective	3	
<b>Total</b>			<b>2</b>	<b>Total</b>			<b>15</b>

**Remark:**

1. 'Gen Ed' refers to general education courses in these 5 categories- Social Science, Humanities, Sci&Math, Interdisciplinary, and Special Groups. All of them must be offered for International Programs by General Education Center.
2. Only in the 2<sup>nd</sup> semester of 3<sup>rd</sup> year, the semester is splitted in to two halves. In the first half (*Jan-Feb*), students must attend only 2302307 class. Then, in *Mar-May*, students can attend the rest of their registered courses in that semester.
3. Project Proposal course (2302399) is registered in the 2<sup>nd</sup> semester of 3<sup>rd</sup> year but the course span from *Aug 2566* till the end of the 2<sup>nd</sup> semester.
4. Courses in blue are placed in *suggested* semesters. They, however, can be taken in different semester as seen fit by the students and their academic advisors.