

Study Plan for ID 583 XXX XX23 Material Chemistry

First year

Semester 1				Semester 2			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2301107	CALCULUS I	3	-	2301108	CALCULUS II	3	Prer 2301107
2301170	COMP PROG	3	-	2302102	GEN CHEM II	3	Prer 2302101 or C.F.
2302101	GEN CHEM I	3	-	2302103	GEN CHEM LAB	1	-
2303109	GENERAL BIOLOGY	3	-	2303110	GEN BIO LAB	1	-
5503111	ENG COMM SCI I	3	-	2304151	ESSENTIAL PHYS	3	-
xxxxxxx	Gen Ed (Interdisciplinary)	3	-	2304191	PHYSICS LAB FOR CHEM	1	-
xxxxxxx	Gen Ed (Humanities)	3	-	5503122	ENG COMM SCI II	3	Prer 5500181 or 5503111
				xxxxxxx	Gen Ed (Social Sciences)	3	-
				xxxxxxx	Gen Ed (Science & Math)	3	-
Total		21		Total		21	

Second year

Semester 1				Semester 2			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2301286	PROBABILITY AND STATISTICS	3	Prer 2301107 or 2301117	2302203	ORG CHEM LAB	1	Prer 2302103
2302104	CHEM HAZ MGT	3	-	2302206	ANAL CHEM II	3	Prer 2302205 or C.F.
2302204	INORG CHEM	3	Prer 2302102	2302281	FUND MAT CHEM	3	-
2302205	ANAL CHEM I	3	Prer 2302102	2302232	PHYS CHEM II	3	Prer 2302231 or C.F.
2302231	PHYS CHEM I	3	Prer 2302102 or 2302112 or 2302105 or C.F.	2302272	ORG CHEM II	3	Prer 2302271
2302271	ORG CHEM I	3	Prer 2302112 or 2302102 or C.F.	2302305	PRAC CHEM	1	Prer 2302103 and 2302205 or C.F.
5503213	COMMUNICATION AND PRESENTATION SKILLS FOR SCIENCE	3	Prer 5503122	2302393	CHEM INFO TECH	2	-
				xxxxxxx	Language:Non-native	3	-
Total		21		Total		19	

Third year

Semester 1				Semester 2			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2302303	SPECT CHEM	2	Prer 2302202 or 2302272	2302302	INTEG CHEM LAB	2	Prer 2302103
2302384	MACROMOL CHEM	3	Prer 2302202 or 2302272	2302307	INTER SCI SOC PROJ	4	Prer 2302399
2302385	MAT ID	3	-	2302383	COLL SURF CHEM	3	-
2302386	BIOPOLYMER	3	Prer 2302202 or 2302272	xxxxxxx	Elective	3	-
2302388	INORGANIC MATERIALS	3	Prer 2302204 and 2302281	xxxxxxx	Elective	3	-
2302399	PROJECT PROPOSAL	1	-	xxxxxxx	Free Elective	3	-
xxxxxxx	Gen Ed Course on the Faculty List	3	-				
Total		18		Total		18	

Fourth year

Semester 1 (Aug-Dec 2561)				Semester 2 (Jan-May 2562)			
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	Free Elective	3	-
Total		2		Total		9	

Remark: Gen Ed Course on the Faculty List = All courses of Chulalongkorn University General Education Center, which taught in English (International Study Program).

ทุกรายวิชาในหลักสูตรศึกษาทั่วไป จุฬาลงกรณ์มหาวิทยาลัย ที่เปิดการเรียนการสอนเป็นภาษาอังกฤษ (ระบบทริภาค-นานาชาติ)