

Study Plan for ID 643 XXX XX23

Cosmetic Chemistry and Entrepreneurship (127 Credit) (planned for 2022)

First year							
Semester 1 (Aug-Dec 2565)				Semester 2 (Jan-May 2566)			
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	PRER 2302101 OR C.F.
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 ¹	3		5503122	ENG COMM SCI II	3	PRER 5500181 OR 5503111
				xxxxxxx	Gen Ed	3	
Total		17		Total		20	

Second year							
Semester 1 (Aug-Dec 2566)				Semester 2 (Jan-May 2567)			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2301286	PROBABILITY AND STATISTICS	3	PRER 2301113 OR 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	2302272	ORG CHEM II	3	PRER 2302271 OR C.F.
2302205	ANAL CHEM I	3	PRER 2302102	2302305	PRAC CHEM	1	PRER 2302103 and 2302205 OR C.F.
2302231	PHYS CHEM I	3	PRER 2302112 OR 2302102 OR 2302105 OR C.F.	2302393	CHEM INFO TECH	2	
2302271	ORG CHEM I	3	PRER 2302112 OR 2302102 OR C.F.	2302255	COSMETIC CHEM	3	PRER 2302102
5503213	COMMUNICATION AND PRESENTATION SKILLS FOR SCIENCE	3	PRER 5503122	xxxxxxx	Gen Ed	3	
Total		21		Total		16	

Third year							
Semester 1 (Aug-Dec 2567)				Semester 2 (Jan-May 2568) ²			
Code	Subject	Credits	Condition	Code	Subject	Credits	Condition
2302303	SPECT CHEM	2	PRER 2302202 OR 2302272	2302302	INTEG CHEM LAB	2	PRER 2302305
2302256	CHEM COS PRO DEV	3	PRER 2302102, 2302305	2302307	INTER SCI SOC PROJ	4	COREQ 2302399
2605311	PRIN MKTG	3		2302399	PROJECT PROPOSAL	1	
xxxxxxx	Gen Ed	3		2302407	PERFUME AND FLAVOUR	3	PRER 2302272 OR C.F.
xxxxxxx	Gen Ed	3		2800xxx	BRAND VIS IDEN DES	3	
				xxxxxxx	Elective (Module)	3	
				xxxxxxx	Elective (Module)	3	
Total		14		Total		19	

Fourth year							
Semester 1 (Aug-Dec 2568)				Semester 2 (Jan-May 2569)			
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	
				2302351	QUAL ASSCE SYS	3	
				xxxxxxx	Gen Ed	3	
				xxxxxxx	Free Elective	3	
				xxxxxxx	Free Elective	3	
Total		2		Total		18	

Remark: General Education (Special Group) = All courses of Chulalongkorn University Education Center that are taught in English (International Study Program)